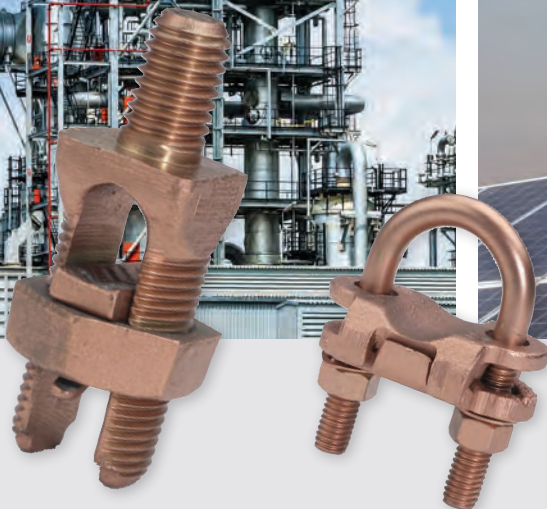




BURNDY® SOLUTIONS Master Catalog



THE MARK OF EXCELLENCE

The BURNDY® Engineered System



Our mark means no guesswork. Behind every embossment is over 90 years of innovation, testing and support. BURNDY® HYDENT™ Compression when used as part of the BURNDY® Engineered System provides a UL Listed connection for power, grounding and bonding.*



Die Catalog Number
Embossment Die Index with
BURNDY Logo

****Must follow prescribed installation instructions to obtain UL Listed 486A-486B Wire Connectors / UL Listed 467 Grounding & Bonding Equipment***



Sections

Section A — Mechanical

Section B — Small Terminals

Section C — Compression Connections

Section D — Shrink Tubing

Section E — Grounding

(Compression, Mechanical, Exothermic, Wiley Solutions)

Section F — Accessories

Section G — Wire Management

Section H — Overhead Distribution

Section I — Transmission

Section J — OH Distribution & Transmission

Section K — Underground

Section L — Bolted Substation

Section M — Welded/EHV Substation

Section N — Tooling

Section O — Reference

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Table of Contents

Lightning Protection Information A-2	QIKLUG™ Two Conductor (Cu) Type Q2A A-16	POLYTAP™ Insulated Gutter Tap (Cu/Al) Type KPU-AC A-31
Special Features A-2	QIKLUG™ Three Conductor (Cu) Type Q3A A-16	Riser Tap (Cu/Al) Type UCU-AC A-31
SERVIT® Split-bolts (Cu/Cu-Weld) Types KS / KS-3 A-3	QIKLUG™ (Cu) Type QB A-17	Above Grade Splice Kit (Cu/Al) Type AGSKIT A-32
SERVIT® Covers Type SC A-3	QIKLUG™ Two Conductor (Cu) Type Q2B A-17	Underground/Watertight Splice Kit (Cu/Al) Type UGSKIT A-32
Universal SERVIT® Split-bolts (Cu/Al/ACSR/AAAC/5005/Steel) Type KSU A-4	QIKLUG™ (Cu) Type QDA A-18	Direct Burial Splice Kit (Cu) Type UGSKIT8 A-33
TRITAP™ SERVIT® Split-bolts (Al/Cu) Type KSA A-5	QIKLINK™ Splice/Reducer (Cu) Type QR A-18	Direct Burial In-Line Splice/Reducer (Cu/Al) Type UGS350ULDB A-33
OKLIP™ (Cu/Cu-Weld) Type KVS A-6	VARILUG™ (Cu) Types VA / VVA A-19	THE MOLE™ Direct Burial Splice/Reducer Type BISR-DB A-34
Universal OKLIP™ (Cu/Al/ACSR/ AAAC/5005) Type KVSU A-6	Lay-in QIKLUG™ (Cu) Type CL50-1 A-20	Direct Burial Submersible Connectors (Cu/Al) Type BIBS-DB A-35
OKLIP™ (Cu/Cu-Weld) Type KVSW A-7	Lay-in QIKLUG™ (Cu) Type CL A-20	UNITAP™ Clear Insulated Multi-Tap (Cu/Al) Code Only A-36
OKLIP™ (Cu/Al/ACSR/AAAC/5005) Type KVS-A A-7	QIKLUG™ Lay-In (Cu/Al) Type BGBL A-21	UNITAP™ Clear Insulated Multi-Tap (Cu/Al) Code & Flex A-44
VERSITAP™ Parallel Clamp (Cu/Cu-Weld) Type QPX A-8	Universal Terminals (Cu/Al) Type KA-U / KKA-U A-22	UNITAP™ UV Rated Black A-53
Universal VERSITAP™ Parallel Clamp (Cu/Al) Type QPX-Y A-9	Two Conductor Universal Terminals (Cu/Al) Type K2A-U A-23	VERSIPOLE™ Configurable Power Distribution Blocks (Cu/Al) Code and Flex A-55
BARTAP™ (Cu Cable to Flat) Type QGFL A-10	Three Conductor Universal Terminals (Cu/Al) Type K3A-U / KK3A-U A-24	VERSIPOLE™ (Cu/Al) Double-Wide, Box-to-Stud, Stud-to-Stud A-58
Transformer Tap Adapter (Cu/Al) Type FCB A-10	Four Conductor Universal Terminals (Cu/Al) Type K4A-U / KK4A-U A-25	VERSIPOLE™ (Cu/Al) Double-Wide, Lay-In Style A-60
Insulation Piercing (Cu/Al) Type BIPC A-11	Panelboard Universal Lugs (Cu/Al) Type K11A-U / K21A-U / K22A-U A-25	U-BLOK™ Power Distribution Blocks A-62
SCRULUG™ (Cu) Type KPA A-12	Universal Terminals (Cu/Al) 1-4 Conductors, NEMA-Spacing Type K-A-U2N A-26	
SCRULUG™ Unplated (Cu) Type KPA-UP A-12	Six and Eight Conductor Universal Terminals (Cu/Al) Types K6A-U / KK6A-U / K8A-U / KK8A-U A-27	
SCRULUG™ Offset Tongue (Cu) Type KLU A-13	Transformer Lug Kits (Cu/Al) Type KAU-KIT A-28	
KA-LUG™ (Cu) Type KA A-14	Mechanical Adapters (Cu/Al) Type KAP / KAPO A-29	
VERSILUG™ (Cu) Type EA A-14	Splice/Reducer (Cu/Al) Type AMS A-30	
QIKLUG™ (Cu) Types QA / QQA A-15		

⚡ LIGHTNING PROTECTION INFO.

Basic rules for selection are:

1. Must be like material to the conductor.
2. Two bolts to ground rod - minimum.
3. Cable to cable connections can be anything, one bolt, two bolt, compression, etc.
4. Cable to steel structure must have 8 square inch contact with steel.
5. Heavy duty stacks - mechanical only.

6. On all connectors with heavy duty stack rating, we must offer 1/16" thick lead plating as an option. The reason for that is closest 25 ft. to stack opening must use lead coated product.

✓ Complies with NFPA 78-86 Ordinary Structures.

✓ ✓ Complies with NFPA 78-86 Heavy Duty Stacks. (Order: LD for Lead Plating for Heavy Duty Stack applications.)

SPECIAL FEATURES

Other features are also available for products listed, such as undrilled or special drilling, 45° or 90° pad angles, belling for extra flexible cable, smooth or special threaded studs, special labeling or packaging, extra long braid, and nuclear certification. Please contact BURNDY Customer Service for any inquiries.

**ALL OTHER SPECIAL REQUESTS
PLEASE CONTACT
BURNDY CUSTOMER SERVICE
1-800-346-4175**

REVOLUTIONARY BURNDY® DESIGN MEETS STRICT UL486B STANDARDS

Unique "bite and grip" TRITAP™ SERVIT® contact delivers safe, long-term reliability — even without scratch brushing ... without oxide inhibiting compounds.†

... and puts the bite on aluminum connections forever!

For use on all combinations

- Aluminum to aluminum
- Aluminum to copper
- Copper to copper



† When used in NEC applications of insulated cables only.

Patented

Available in sizes from #10 through 500 kcmil

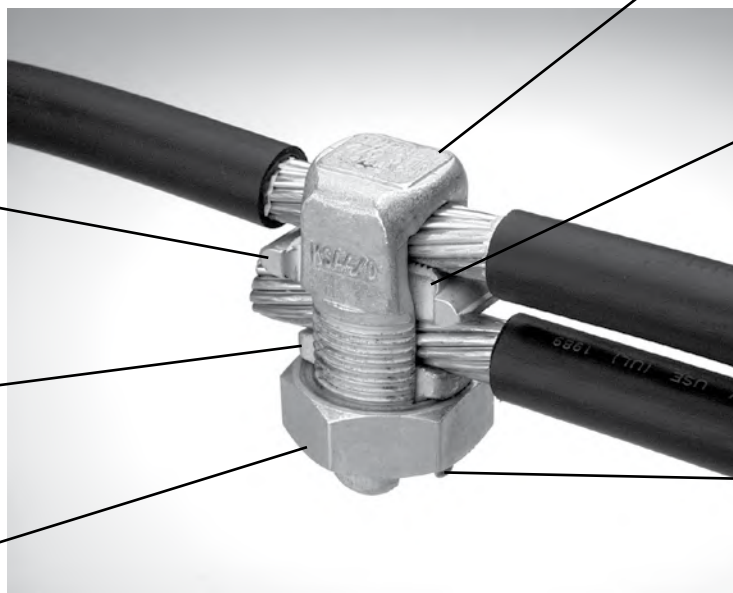
Triangular edges bite into cable to break through surface oxides:

- provide low contact resistance
- produces gas tight seal

Spacer provides built-in separation to retard galvanic corrosion

Tin-plated contact surface inhibits oxide formation

Special heat-treated hard, aluminum alloy



Anti-galling, high efficiency threaded components result in high contact force. Easily installed using standard, everyday wrenches.

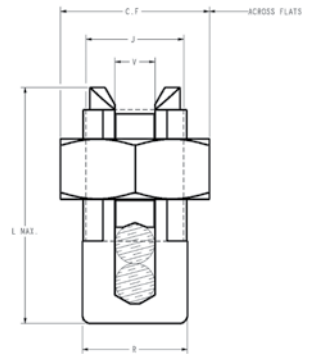
TYPES KS & KS-3

SERVIT®



Copper, Copperweld

Compact, high strength, high copper alloy SERVIT® split-bolt has free-running threads and easy to grip wrench flats. Highly resistant to season cracking and corrosion, the SERVIT® provides maximum pressure and assures a secure connection on all combinations of run and tap conductors. Type KS-3 accommodates 3 maximum size conductors.



Catalog Number	Cross Flats	L	W	Conductor						▲ Recommended Tightening Torque (in-lb)
				Copper		Copperweld				
				Equal Run & Tap	Min Tap with Max Run	Maximum Run and Tap				
				Sol.	Str.	Type A	Type D			
† KS90	0.50	0.85	0.38	12 - 10 Str.	16 Str.	#10	—	—	—	80
† KS15	0.50	0.85	0.38	10 - 8 Str.	14 Str.	#8	—	—	—	80
† KS17	0.63	1.14	0.45	8 Str. - 6 Sol.	14 Str.	#6	3 #12	8A	9-1/2D	165
* KS173	0.62	0.98	0.70	8 Str. - 6 Sol.	16 Str.	#6	3 #12	8A	9-1/2D	165
† KS20	0.69	1.20	0.51	8 Str. - 4 Sol.	14 Str.	#4	3 #10	6A	8D	165
* KS203	0.68	1.17	0.78	8 Str. - 4 Sol.	14 Str.	#4	3 #10	6A	8D	165
† KS22	0.75	1.50	0.60	6 Str. - 2 Sol.	14 Str.	#2	3 #8	4A	6D	275
* KS223	0.74	1.33	0.84	6 Str. - 2 Sol.	14 Str.	#2	3 #8	4A	6D	275
† KS23	0.82	1.54	0.62	6 Str. - 2 Str.	14 Str.	#1	3 #7	3A	5D	275
† KS25	0.94	1.77	0.73	4 Str. - 1/0 Str.	14 Str.	2/0	3 #5	2A	4D	385
† KS26	1.05	1.94	0.82	2 Str. - 2/0 Str.	14 Str.	3/0	7 #7	—	—	385
† KS27	1.36	1.86	1.17	1 Str. - 3/0 Str.	8 Sol.	—	—	—	—	500
† KS29	1.36	2.07	1.17	1 Str. - 250	8 Str.	4/0	7 #5	—	—	650
† KS31	1.70	2.51	1.41	1/0 Str. - 350	1/0 Str.	—	19 #8	—	—	650
† KS34	1.82	2.79	1.48	2/0 Str. - 500	2/0 Str.	—	19 #6	—	—	825
KS39	2.31	3.29	1.94	4/0 Str. - 750	4/0 Str.	—	19 #5	—	—	1000
KS44	2.56	3.73	2.19	300 - 1000	4/0 Str.	—	—	—	—	1100

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor combinations. See note LIGHTNING PROTECTION INFO.

* Not UL Listed or CSA Certified.

† In addition to UL Listed for wire connectors and CSA Certified, these items are also UL rated for direct burial.

TYPE SC

SERVIT® COVER



HUG-A-BUG

Used indoors or outdoors, this compact, one-piece plastic SERVIT® cover saves time and material, eliminates costly taping of split-bolts. Positive latch snaps easily and quickly over connector, ideal for tight quarters. Self-positioning plastic fingers wrap around wires fully insulating joint. UL Listed for 600 volt indoor application with type KS. Three covers accommodate a range of 6 SERVIT® sizes through 2/0 Str.



Catalog Number	For Use With
SC4	KS17, KS173, KS20, KSU17, KSU20
SC2	KS22, KS203, KS23, KS223, KSA6, KSA4, KSU22, KSU23
SC2/0	KS25, KS26, KSA2, KSA1/0, KSU25, KSU26

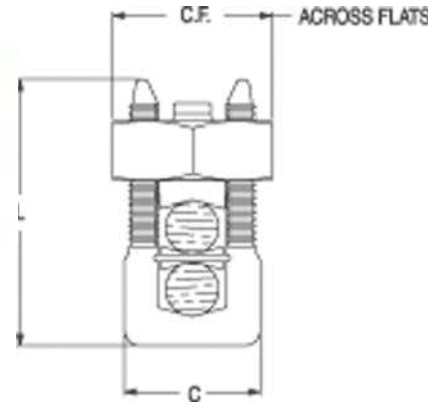
TYPE KSU

UNIVERSAL SERVIT®

All Combinations of Copper, Aluminum, ACSR, AAAC, 5005, and Steel

Tin-plated, high strength, copper alloy SERVIT® split-bolt with spacer. Spacer separates dissimilar conductors and provides long contact length that prevents high pressure point contacts between run and tap conductors.

Use of PENETROX™ joint compound recommended with Aluminum and ACSR.



Copper Only



486A
Copper Only

Catalog Number	Cross Flats	L	W	Conductor							Recommended Tightening Torque (in-lb)
				Run		Tap		Steel (Max Conductor)			
				Copper & Aluminum	ACSR AAAC 5005	Copper & Aluminum	ACSR AAAC 5005	Sol. BWG	3 Str. BWG	Nom. Dia.	
KSU17	0.62	0.92	0.42	12 Sol. - 6 Sol.	8 (6-1)	12 Sol. - 6 Sol.	8 (6-1)	8	—	5/32	165
KSU20	0.69	1.05	0.48	10 Sol. - 4 Sol.	6 (6-1)	10 Sol. - 4 Sol.	6 (6-1)	6	8	7/32	165
KSU22	0.74	1.25	0.57	10 Sol. - 2 Sol.	6 (6-1) - 4 (7-1)	10 Sol. - 2 Sol.	6 (6-1) - 4 (7-1)	4	6	1/4	275
KSU23	0.81	1.48	0.59	8 Str. - 2 Str.	3 (6-1) - 2 (6-1)	8 Sol. - 2 Str.	6 (6-1) - 2 (6-1)	—	4	5/16	275
KSU25	0.93	1.77	0.70	2 Str. - 1/0 Str.	3 (6-1) - 1 (6-1)	10 Str. - 1/0 Str.	6 (6-1) - 1 (6-1)	—	—	3/8	385
KSU26	1.04	1.93	0.79	2 Str.-2/0 Str.	1 (6-1) - 1/0 (6-1)	8 Str. - 2/0 Str.	6 (6-1) - 1/0 (6-1)	—	—	7/16	385
KSU27	1.38	2.34	1.12	1 Str. - 3/0 Str.	1 (6-1) - 2/0 (6-1)	8 Sol. - 3/0 Str.	8 (6-1) - 2/0 (6-1)	—	—	1/2	500
KSU29	1.38	2.50	1.58	1Str. -250 kcmil	2/0 (6-1) - 4/0 (6-1)	8 Str. - 250	6 (6-1) - 4/0 (6-1)	—	—	1/2	650
KSU31	1.69	2.88	1.36	1/0 Str. - 350 kcmil	3/0 (6-1) - 4/0 (6-1)	4 Str. - 350	4 (6-1) - 4/0 (6-1)	—	—	5/8	650
KSU34	2.00	3.12	1.47	400 - 500 kcmil	336 (30-7) - 477 (18-1)	2 Str. - 500	2 (6-1) - 477 (18-1)	—	—	—	825

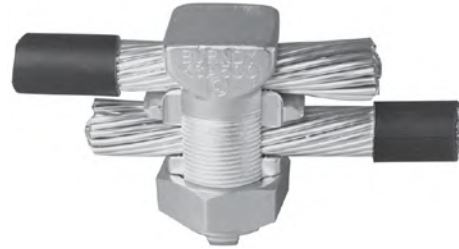
Accommodates compressed conductors within conductor ranges.

✓ See note LIGHTNING PROTECTION INFO.

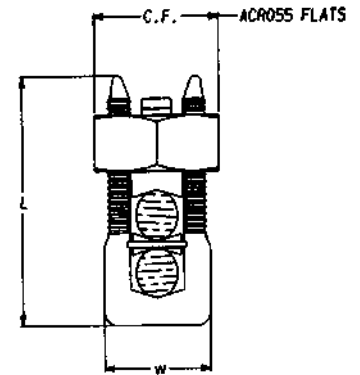
TYPE KSA

TRITAP™ SERVIT®

All Combinations of Aluminum to Aluminum, Aluminum to Copper and Copper to Copper, Aluminum Alloy Tin Plated



PATENTED TRIANGULAR PENETRATION TECHNOLOGY (TPT) CONTACT



Features & Benefits

- No scratch brushing required
- No oxide inhibitor required
- Orients the conductor
- Provides maximum pressure and assures a secure connection of run and tap conductors
- Facilitates piercing the aluminum conductor surface oxides
- UL 486B listed, 90°C rated
- Provides a low contact resistance
- Provides equal coefficient of expansion
- Inhibits the reformation of oxides by producing a gas-tight seal
- Provides improved retention of minimum to maximum conductor combinations

Catalog Number	Cross Flats	L	W	Alum. to Alum., Alum. to Copper, Copper to Copper Conductors			Recommended ▲ Tightening Torque (in-lb)
				Max Run to Max Tap	Min Run to Min Tap	Max Run to Min Tap	
KSA6	0.75	1.58	0.56	#6 Str. (0.184) - #6 Str. (0.184)	#10 Sol. (0.102) - #10 Sol. (0.102)	#6 Str. (0.184) - #10 Sol. (0.102)	165
KSA4	0.81	1.38	0.62	#4 Str. (0.232) - #4 Str. (0.232)	#8 Sol. (0.129) - #10 Sol. (0.102)	#4 Str. (0.232) - #10 Sol. (0.102)	165
KSA2	0.94	1.58	0.69	#2 Str. (0.292) - #2 Str. (0.292)	#6 Sol. (0.169) - #8 Str. (0.146)	#2 Str. (0.292) - #8 Sol. (0.146)	275
KSA1/0	1.00	1.92	0.75	1/0 Str. (0.373) - 1/0 Str. (0.373)	#2 Str. Compact (0.268) - #8 Sol. (0.129)	1/0 Str. (0.373) - #8 Sol. (0.129)	385
KSA2/0	1.12	1.92	0.88	2/0 Str. (0.418) - 2/0 Str. (0.418)	#2 Str. Compact (0.268) - #8 Str. (0.146)	2/0 Str. (0.418) - #8 Str. (0.146)	385
KSA4/0	1.49	2.54	1.13	4/0 Str. (0.528) - 4/0 Str. (0.528)	#2 Str. Compact (0.268) - #6 Str. (0.184)	4/0 Str. (0.528) - #6 Str. (0.184)	500
KSA350	1.69	3.24	1.50	350 kcmil (0.681) - 350 kcmil (0.681)	1/0 Str. Compact (0.336) - #4 Str. (0.232)	350 kcmil (0.681) - #4 Str. (0.232)	650
KSA500	2.00	3.62	1.73	500 kcmil (0.813) - 500 kcmil (0.813)	400 kcmil Compact (0.659) - #2 Str. Compact (0.268)	500 kcmil (0.813) - #2 Str. Compact (0.268)	825

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor combinations.

** No scratch brushing or oxide inhibiting compounds required for insulated 90° C max. rated conductor for N.E.C. applications.

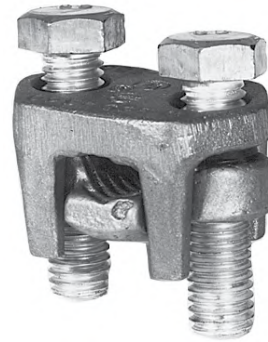
TYPE KVS

OKLIP™



Copper & Copperweld

Compact, two-piece, high strength, high copper alloy BURNDY® OKLIP™ recommended for heavy duty connections. Neoprene rings hold DURIMUM™ silicon bronze bolts in place during installation. Installed with ordinary wrench.



Catalog Number	Conductor					▲ Recommended Tightening Torque (in-lb)
	Copper		Copperweld			
	Run	Tap	Sol.	Str.	Type V	
KVS26	2 Str. - 2/0 Str.	6 Str. - 2/0 Str.	3/0	7 #8	—	180
KVS28	1/0 Str. - 4/0 Str.	10 Str. - 4/0 Str.	4/0	7 #6	V3/0	250
KVS31	250 - 350 kcmil	10 Str. - 350 kcmil	—	19 #8	V250	325
KVS34	400 - 500 kcmil	10 Str. - 500 kcmil	—	19 #6	V350	375
KVS40	400 - 800 kcmil	3/0 Str. - 800 kcmil	—	19 #5	—	500
KVS44	500 - 1000 kcmil	3/0 Str. - 1000 kcmil	—	—	—	500

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor combinations.
✓ See note LIGHTNING PROTECTION INFO.

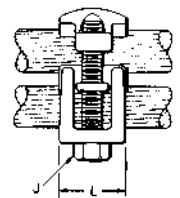
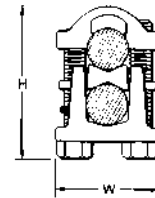
TYPE KVSU

UNIVERSAL OKLIP™



All Combinations of Copper, Aluminum, ACSR, AAAC & 5005

Compact, high strength, tin plated copper alloy two-piece connector with spacer and tin-plated silicon bronze DURIMUM™ hardware. Recommended for heavy duty connections. Spacer separates dissimilar conductors and provides long contact length. Neoprene ring prevents loss of shorter bolt during installation. Longer peened bolt permits swivel action for easier installation. Use of PENETROX™ joint compound recommended with aluminum and ACSR.



Catalog Number	Conductor								H	J	L	W	Rec. Tightening Torque (in-lb)
	Run		Tap		Run		Tap						
	Copper & Alum	ACSR, AAAC, & 5005	Copper & Alum	ACSR, AAAC, & 5005	Copper Sol., Copperweld Sol.	Steel Nom. Dia.	Copper Sol., Copperweld Sol.	Steel Nom. Dia.					
KVSU26	2 Str. - 2/0 Str.	3 - 2/0	6 Str. - 2/0 Str.	6 - 2/0	1 - 3/0	5/16 - 7/16	#6 - 3/0	3/16 - 7/16	2	5/16	1	1-1/2	180
KVSU28	1/0 Str. - 4/0 Str.	1/0 - 4/0	6 Str. - 4/0 Str.	6 - 4/0	2/0 - 4/0	3/8 - 1/2	#6 - 4/0	5/32 - 1/2	2-3/8	3/8	1-1/8	1-3/4	250
KVSU31	250 - 350 kcmil	4/0 - 300	#6 - 350	6 - 300	-	9/16 - 5/8	#6 - 4/0	3/16 - 5/8	2-5/8	1/2	1-3/8	2-1/8	325
KVSU34	400 - 500 kcmil	336.4 - 397.5	#4 - 500	5 - 397.5	-	3/4 - 3/4	#4 - 4/0	7/32 - 3/4	3	1/2	1-1/2	2-1/4	375
KVSU40	400 - 800 kcmil	4/0 - 800	4/0 - 800	3/0 - 715.5	-	3/4 - 1	-	1/2 - 1	3-1/2	1/2	1-5/8	2-1/2	500
KVSU44	500 - 1000 kcmil	4/0 - 1000	4/0 - 1000 kcmil	4/0 - 900	-	7/8 - 1 1/8	-	1/2 - 1 1/8	4	3/8	2	3	500

Accommodates compressed conductors within diameter range. ✓ See note LIGHTNING PROTECTION INFO.

TYPE KVS

OKLIP™

Copper and Copperweld

Similar to OKLIP™ Type KVS except for a high copper alloy spacer that separates run and tap conductors. Provides high contact pressure, confines conductor strands, and assures vibration-proof connection. Longer peened bolt, permits swivel action for easier installation. Silicon bronze DURIMUM™ hardware.



Catalog Number	Conductor		Recommended Tightening Torque (in-lb)
	Run	Tap	
KVSW26	2 Str. - 2/0 Str.	6 Sol. - 2/0 Str.	180
KVSW28	1/0 Str. - 4/0 Str.	6 Sol. - 4/0 Str.	250
KVSW31	250 - 350 kcmil	4 Sol. - 350 kcmil	325
KVSW34	400 - 500 kcmil	4 Str. - 500 kcmil	375
KVSW40	400 - 800 kcmil	AWG 4/0 - 800 kcmil	500
KVSW44	500 - 1000 kcmil	250 - 1000 kcmil	500

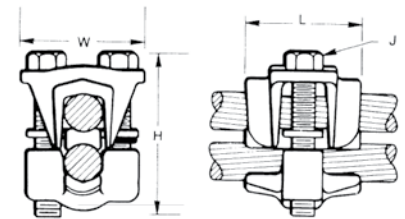
✔ See note LIGHTNING PROTECTION INFO.

TYPE KVS-A

ALUMINUM OKLIP™

All Combinations of Copper, Aluminum†, ACSR†, AAAC and 5005

Three-piece, high-conductivity, non-copper bearing aluminum alloy connector with thick spacer and aluminum hardware. Hardware in KVS26A and KVS28A is stainless steel. Recommended for heavy duty dissimilar metal applications. Spacer separates conductors and provides long contact length. Belled entrances prevent chafing, permit easier assembly of conductors. Longer peened bolt permits swivel action for easier installation. Neoprene ring prevents loss of shorter bolt. PENETROX™ joint compound recommended with aluminum and ACSR.



THESE CONNECTORS CAN ACCOMMODATE ACSR CONDUCTORS OVER ARMOR ROD WITHIN THE DIAMETER RANGE INDICATED.

APPLICATION OVER ARMOR ROD

Catalog Number	Conductor				Rec. Tightening Torque (in-lb)	Conductor Range by Diameter			H	J	L	W
	Run		Tap			Min. Run Dia.	Min. Tap Dia.	Max. Run & Tap Dia.				
	Copper, & Alum.†	ACSR†, AAAC, & 5005	Copper, & Alum.†	ACSR†, AAAC & 5005								
KVS26A	2 Str. - 2/0 Str.	#4 - 2/0	10 Str. - 2/0 Str.	#6 - 2/0	180	0.28	0.12	0.45	2-1/4	5/16	1-1/4	1-5/8
KVS28A	1/0 Str. - 4/0 Str.	1/0 - 4/0	10 Str. - 4/0 Str.	#6 - 4/0	240	0.36	0.12	0.56	3	3/8	1-5/8	2-1/16
KVS31A	250 - 350	4/0 - 336.4	6 Str. - 350 kcmil	#6 - 336.4 kcmil	300	0.57	0.18	0.68	3-1/16	1/2	1-15/16	2-7/16
KVS34A	400 - 500	336.4 - 397.5	4 Str. - 500 kcmil	#5 - 397.5 kcmil	300	0.73	0.22	0.81	3-9/16	1/2	2-5/16	2-5/8
KVS40A	400 - 800	336.4 - 715.5 kcmil	3/0 Str. - 800 kcmil	#3/0 - 715.5	300	0.73	0.47	1.04	4-1/16	1/2	2-7/16	2-7/8
KVS44A	500 - 1000	397.5 - 900 kcmil	3/0 Str. - 1000 kcmil	#3/0 - 900 kcmil	480	0.80	0.47	1.16	4-7/8	5/8	2-1/2	3-1/8

† Accommodates compressed conductors within diameter range. ✔ See note LIGHTNING PROTECTION INFO.

TYPE QPX

VERSITAP™



Copper, Copperweld, Copperweld-Copper

The VERSITAP™ Type QPX is recommended for Tee, Cross, Parallel, Butt and Tap connections. Range-taking, only 10 connectors required to accommodate conductor sizes from #6 Str. to 1000 kcmil. Edges are rounded for easy taping. Made of high strength, high-conductivity copper alloy and silicon bronze DURIMUM™ hardware.



* For various configurations, see page with TYPE QPX-Y

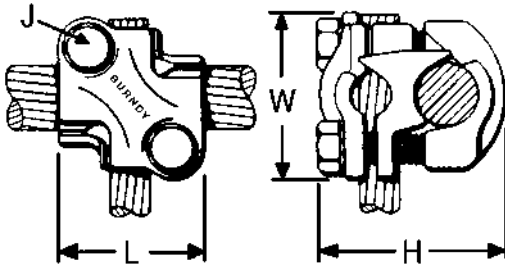


Fig. 1

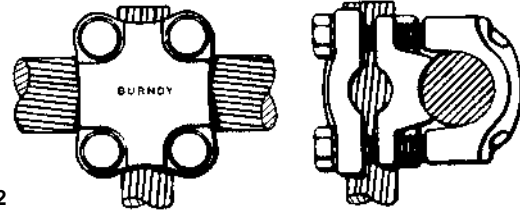


Fig. 2

Catalog Number	Copper Conductor		Fig. No.	Dimensions				Rec. Tightening Torque in-lb ▲	Conductor													
	Run	Tap		H	J	L	W		Run		Tap											
									Copperweld	Copperweld - Copper	Copperweld	Copperweld - Copper										
QPX2C2C	6 Str. - 2 Str.	6 Str. - 2 Str.	1	1-1/2	5/16	1-5/16	1-3/8	150	5 Sol. - 3 #7	8A - 4A	5 Sol. - 3 #7	8A - 4A										
QPX282C	1 Str. - 4/0 Str.	6 Str. - 2 Str.		2-1/16									3/8	1-13/16	1-13/16	250	7 #9 - 7 #5	3A - 3/0V	7 #9 - 7 #5	3A - 3/0V		
QPX2828	1 Str. - 4/0 Str.	1 Str. - 4/0 Str.		2-3/8	5/16	1-3/8	1-7/8														375	19 #19 - 19 #6	4/0 EK	7 #9 - 7 #5	3A - 3/0V
QPX342C	250 - 500 kcmil	6 Str. - 2 Str.		2-3/4									3/8	1-3/4	2-1/16	500	19 #6	—	19 #19 - 19 #6	4/0 EK		
QPX3428	250 - 500 kcmil	1 Str. - 4/0 Str.			3	2-1/16	2-3/16																			5 Sol. - 3 #7	8A - 4A
QPX3434	250 - 500 kcmil	250 - 500 kcmil	2	2-11/16				5/16	1-3/8	2-1/4	7 #9 - 7 #5	3A - 3/0V										
QPX442C	500 - 1000 kcmil	6 Str. - 2 Str.			1	2-7/8	1-13/16						2-7/16	19 #19 - 19 #6	4/0 EK							
QPX4428	500 - 1000 kcmil	1 Str. - 4/0 Str.	3-1/16	3/8				2-1/16	2-9/16	19 #6	—											
QPX4434	500 - 1000 kcmil	250 - 500 kcmil			2	3-7/16	2-5/8					2-9/16	19 #6	—								
QPX4444	500 - 1000 kcmil	500 - 1000 kcmil																				

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor combinations.

↗ See note LIGHTNING PROTECTION INFO.

TYPE QPX-Y

UNIVERSAL VERSITAP™

Universal Parallel Clamp For Copper and Aluminum

High copper alloy cast connector, tin-plated for use with copper or aluminum cable. Makes parallel, tap, tee, cross or end-to-end connections. Edges rounded for easy taping. PENETROX™ joint compound recommended.

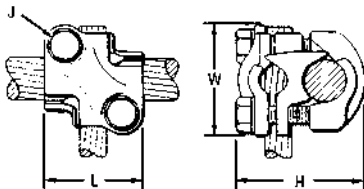


Fig. 1

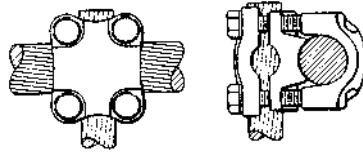


Fig. 2

Catalog Number	Run	Tap	Fig. No.	H	J	L	W	Recommended Tightening Torque in-lb ▲
QPX2C2CY	6 Str.-2 Str.	6 Str.-2 Str.	1	1-5/8	5/16	1-1/2	1-5/8	150
QPX282CY	1 Str. - 4/0 Str.	6 Str.-2 Str.	1	1-7/8	5/16	1-1/2	1-7/8	150
QPX2828Y	1 Str. - 4/0 Str.	1 Str. - 4/0 Str.	1	2	3/8	2	2-1/8	250
QPX342CY	250 - 500 kcmil	6 Str.-2 Str.	1	2-1/4	5/16	1-1/2	2-1/8	375
QPX3428Y	250 - 500 kcmil	1 Str. - 4/0 Str.	1	2-1/2	3/8	2	2-1/2	375
QPX3434Y	250 - 500 kcmil	200 - 500 kcmil	2	2-7/8	3/8	2-1/2	2-5/8	375
QPX4444Y	750 - 1000 kcmil	750 - 1000 kcmil	2	3-7/8	1/2	3-1/2	3-1/2	500

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5-7-6 for smaller conductor combinations.

✓ See note LIGHTNING PROTECTION INFO.

APPLICATION VARIATIONS

PARALLEL



TAP



CROSS



SPLICE



TEE

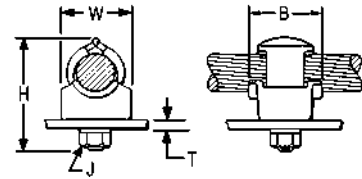


TYPE QGFL

BARTAP™

Copper Cable to Flat Bar or Pad

High copper alloy BARTAP™ for joining a range of cable to bar or pad. One-wrench installation. DURIUM™ nut and lockwasher



Catalog Number	Copper Conductor	B	H	J	T (Max)	W
QGFL1CB1	#10 Sol-#1 Str	1-1/8	1-7/8	3/8	1/4	1
QGFL1CB1T6	#10 Sol-#1 Str	1-1/8	2-3/8	3/8	3/4	1
QGFL26B1	#8 Sol-#2/0 Str	1-1/4	2-1/8	3/8	1/4	1-1/8
QGFL26B1T6	#8 Sol-#2/0 Str	1-1/4	2-5/8	3/8	3/4	1-1/8
QGFL26B2*	#8 Sol-#2/0 Str	1-1/4	2-5/16	1/2	1/4	1-1/8
QGFL26B2T6*	#8 Sol-#2/0 Str	1-1/2	2-13/16	1/2	3/4	1-1/8
QGFL29B1*	#6 Str-250 kcmil	1-3/8	2-5/8	1/2	1/4	1-3/8
QGFL29B1T6*	#6 Str-250 kcmil	1-5/8	3-1/8	1/2	3/4	1-3/8
QGFL31B1*	2 AWG-350 kcmil	1-3/4	2-7/8	1/2	1/4	1-5/8
QGFL31B1T6*	2 AWG-350 kcmil	1-3/4	3-1/4	1/2	3/4	1-5/8
QGFL34B1	1/0-500 kcmil	2	3-1/8	1/2	1/4	1-3/4
QGFL34B1T6	1/0-500 kcmil	2	3-5/8	1/2	3/4	1-3/4
QGFL39B1	350 kcmil-750 kcmil	2-1/4	3-1/4	1/2	1/4	1-3/4
QGFL39B1T6	350 kcmil-750 kcmil	2-1/4	3-5/8	1/2	3/4	1-3/4
QGFL44B1	750 kcmil-1000 kcmil	2-1/4	3-3/8	1/2	1/4	2-1/8
QGFL44B1T6	750 kcmil-1000 kcmil	2-1/4	4-1/8	1/2	3/4	2-1/8
QGFL46B1	1000 kcmil-1500 kcmil	2-1/4	4	1/2	1/4	2-1/2
QGFL46B1T6	1000 kcmil-1500 kcmil	2-1/4	4-1/2	1/2	3/4	2-1/2
QGFL48B1	1500 kcmil-2000 kcmil	2-1/4	4-3/4	1/2	1/4	3

* Can be installed side by side or in-line on NEMA drilled bar.

TYPE FCB

TRANSFORMER TAP ADAPTER

Copper and Aluminum

Cast in one piece from copper alloy. Transformer tap adapter designed to accommodate from 1 to 6 NEMA drilled copper or aluminum terminal taps from a single secondary transformer outlet. Tin-plated. Order mounting hardware and tap terminals separately.

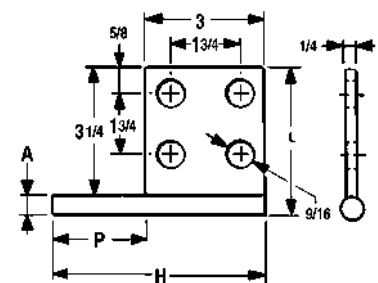


Fig. 1

Catalog Number	Fig. No.	A Diameter	H Ref.	L	P
FCB634N	1	0.50	5.25	3.75	2.25
FCB636N	2	0.50	5.25	5.50	2.25
FCB644N	1	0.75	5.75	4.00	2.75
FCB646N	2	0.75	5.75	5.75	2.75
FCB654N	1	1.00	7.00	4.25	4.00
FCB632NP300	Not Shown	0.50	5.00	3.50	3.00
FCB644NP50	Not Shown	0.75	9.00	5.00	5.00

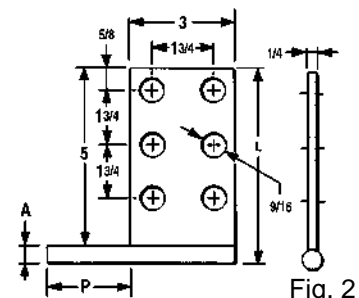


Fig. 2

NOTE: All pads are NEMA drilled.

TYPE BIPC

Insulation Piercing Connector for Copper and Aluminum

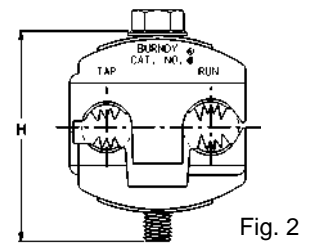
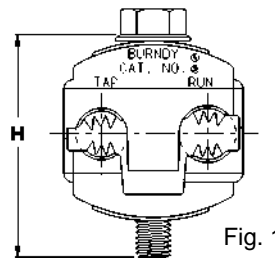
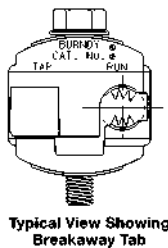
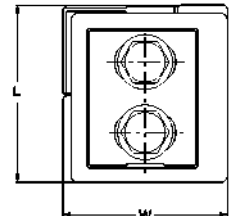
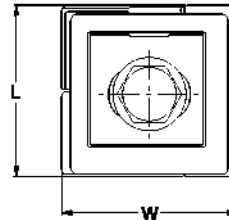
UL Listed 90° C, *600 Volt

The Type BIPC, BURNDY® Insulation Piercing Connector is ideally suited for splicing and tapping aluminum and copper conductor wire sizes: #10 AWG to 500 kcmil.



Features & Benefits

- Insulation piercing capability eliminates the need for insulation stripping
- UL486B Listed, AL9CU Rated, for copper and aluminum conductor combinations up to 90°C, *600 Volt applications
- Insulation piercing design for use on hot-line applications eliminates the need for taping
- Easy snap-out tabs eases installation and protects connection from dirt and debris
- Simple bolt-on connection for ease of installation



Catalog Number	Conductor Range		Bolt Size	Socket Size	H	L	W	Recommended Tightening Torque	Max. Voltage Rating
	Run	Tap							
BIPC1/02*	1/0 - 8 AWG	2 - 8 AWG	5/16	1/2	2.00	1.53	1.53	180	600 V
BIPC4/06	4/0 - 1/0 AWG	1/0 - 6 AWG	5/16	1/2	2.50	2.12	2.00	250	300 V
BIPC4/01/0	4/0 - 1/0 AWG	4/0 - 1/0 AWG	5/16	1/2	2.50	2.12	2.06	250	300 V
BIPC3504/0	350 - 4/0 AWG	4/0 - 10 AWG	3/8	9/16	3.00	1.59	2.50	375	300 V
BIPC350350	350 - 4/0 AWG	350 - 4/0 AWG	3/8	9/16	3.00	2.62	2.75	300	300 V
BIPC5004/0*	500 - 350 kcmil	4/0 - 4 AWG	3/8	9/16	3.25	1.80	2.62	400	600 V

* 600 Volt

TYPE KPA

SCRULUG™

Copper Cable

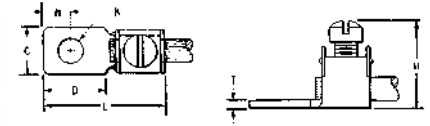


Fig. 1

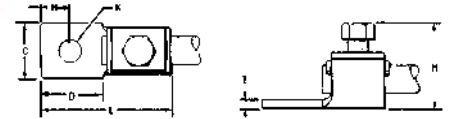


Fig. 2

High copper alloy tin-plated terminal for joining a wide range of cable to equipment pads or terminal blocks. Especially good in light industrial applications. The tongue and body are a one-piece design. The pressure bar equalizes pressure over the conductor and prevents the screw from cutting into the cable

Catalog Number	Wire Range	Fig. No.	C	D	H	K	Stud Hole Size	L	N	T	Recommended Tightening Torque (in-lb)
KPA8C	14 Sol. - 8 Str.	1	0.38	0.47	0.72	0.21	#10	0.97	0.22	0.06	25
KPA4C	14 Sol. - 4 Str.	1	0.50	0.59	0.94	0.27	1/4	1.22	0.30	0.06	35
KPA25	4 Str. - 1/0 Str.	2	0.75	0.81	1.25	0.33	5/16	1.82	0.41	0.10	180
KPA28	1/0 Str. - 4/0 Str.	2	0.97	1.12	1.66	0.39	3/8	2.40	0.53	0.13	250
KPA34	4/0 Str. - 500 kcmil	2	1.38	1.38	2.44	0.54	1/2	3.32	0.75	0.20	375

NOTE: For unplated version add "UNPL" suffix.

TYPE KPA-UP

SCRULUG™

Copper Cable

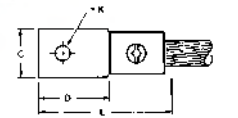
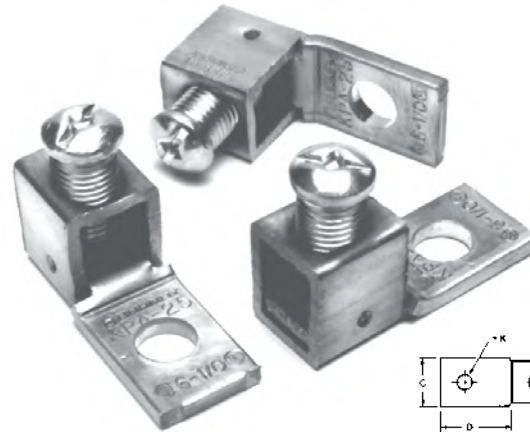
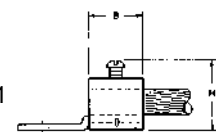


Fig. 1



High copper alloy terminal for joining a wide range of cable to equipment pads or terminal blocks. Plain copper finish.

Features & Benefits

- One piece design for superior torque and pull out performance
- Convenient range taking design reduces number of SKUs needed to carry in stock; one catalog number accommodates several conductor sizes
- High conductivity copper alloy for a long lasting, reliable connection
- Compact, easy to use design
- Slot Robertson screw, hex head, hex socket bolt require no special installation tools and eliminates over-torquing and potential conductor damage

Catalog Number	Wire Range	Fig. No.	C	D	H	K	Stud Hole Size	L	N	T	Hardware	Recommended Tightening Torque (in-lb)
KPA8CUP	14 Sol. - 6 Str.	1	0.38	0.56	0.81	0.20	#10	1.04	0.22	0.07	# 12-24 SLOT	35
KPA4CUP	14 Sol. - 4 Str.		0.50	0.71	1.00	0.28	1/4	1.28	0.33		5/16 DIA.SLOT ROBERTSON	45

NOTE: For tin plating drop "-UP" suffix and add "-TP" suffix (example: KPA4CTP). For use in grounding applications with a green screw, contact factory. Listed for grounding per UL467.

TYPE KLU

SCRULUG™



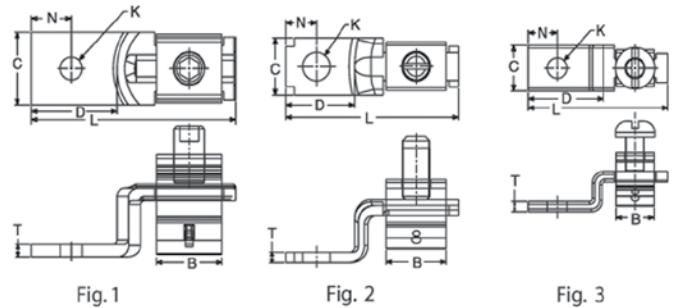
Copper Cable with Offset Tongue; Non-Plated

High copper alloy terminal with offset tongue for joining a wide range of cable to equipment pads or bar. Easy to install with screwdriver or wrench. Connector is reusable. Plain copper finish.



Features & Benefits

- Convenient range-taking design reduces catalog numbers required in inventory; one connector accommodates several conductor sizes
- High conductivity copper alloy for long lasting reliable contact
- Compact design, easy to install, reduces labor time
- Slot Robertson screw, hex head, hex socket bolt require no special installation tools and eliminates over-torquing and potential conductor damage



① Catalog Number	Conductor	Fig. No.	B (MM/IN)	C (MM/IN)	K (MM/IN)	L (MM/IN)	N (MM/IN)	T (MM/IN)	Rec. Tightening Torque (in-lb)	Hardware	Stud Hole Size	Strip Length (in)
KLU25	14 Sol. .064 Dia. to 10 Sol. .102 Dia. CU	3	7.00 0.28	8.00 0.31	4.00 0.14	26.0 1.02	5.00 0.21	2.00 0.07	20	No. 8-32 Slotted Round Machine Screw	#6	7/16
KLU25TP												
KLU35	14 Sol. .0641 Dia. to 6 Str. .184 Dia. CU	2	11.0 0.43	10.0 0.39	5.00 0.20	31.0 1.24	6.00 0.22	2.00 0.07	35	1/4 UNF Slotted Set Screw	#10	5/8
KLU35TP												
KLU70	8 Sol. .129 Dia. to 2 Str. .292 Dia. CU	2	13.0 0.50	12.0 0.47	7.00 0.26	39.0 1.55	6.00 0.25	2.00 0.08	40	5/16 UNF Slotted Set Screw	1/4	3/4
KLU70TP												
KLU125	2 Str. .292 Dia. to 1/0 Str. .372 Dia. CU	2	15.0 0.61	16.0 0.62	7.00 0.26	50.0 1.98	11.0 0.42	3.00 0.11	50	3/8 UNF Slotted Set Screw	1/4	15/16
KLU125TP												
KLU175	4 Str. .232 Dia. to 3/0 Str. .470 Dia. CU	1	18.0 0.72	19.0 0.75	10.0 0.39	56.0 2.20	11.0 0.43	4.00 0.16	250	3/8 UNF Socket/Hex Screw	3/8	1
KLU175TP												
KLU225	2 Str. .292 Dia. to 4/0 Str. .528 Dia. CU	1	24.0 0.94	25.0 0.99	9.00 0.34	65.0 2.55	13.0 0.51	3.00 0.12	250	7/16 UNF Socket/Hex Screw	5/16	1-5/16
KLU225TP												
KLU300	1/0 Str. .372 Dia. to 350 kcmil. .681 Dia. CU	1	31.0 1.22	25.0 0.99	10.0 0.39	72.0 2.83	13.0 0.52	3.00 0.12	325	5/8 UNF Socket/Hex Screw	3/8	1-5/8
KLU300TP												
KLU400	1/0 Str. .372 Dia. to 500 kcmil. .813 Dia. CU	1	36.0 1.42	38.0 1.50	10.0 0.39	104.0 4.09	23.0 0.91	5.00 0.18	375	5/8 UNF Socket/Hex Screw	3/8	1-5/32
KLU400TP												

NOTES:

- ① Suffix "-TP" on catalog number denotes tin plate (example: KLU400TP).
- 2 Material: Copper alloy.

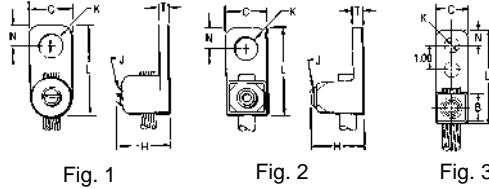
TYPE KA

KA-LUG™

Copper Cable



Compact, economical, high copper alloy terminal for joining a wide range of cable to equipment pads or terminal blocks.



Catalog Number	Conductor	Fig. No.	C	H	J	K	Stud Hole Size	L	N	T	Recommended Tightening Torque (in-lb)
KA8C	# 14 Sol. (0.064 Dia.) - 8 Str. (0.416 Dia.)	1	3/8	5/8	#12	7/32	#10	13/16	3/16	3/32	25
KA4C	# 14 Sol. (0.064 Dia.) - 4 Str. (0.232 Dia.)	1	9/16	3/4	5/16"	9/32	1/4	1-1/8	1/4	7/64	45
KA25 *	# 4 Str. (0.232 Dia.) - 1/0 Str. (0.373 Dia.)	2	3/4	15/16	1/2"	27/64	3/8	1-11/16	3/8	1/8	200
KA252TC38 *	# 4 Str. (0.232 Dia.) - 1/0 Str. (0.373 Dia.)	3	3/4	15/16	1/2"	27/64	3/8	2-13/16	3/8	1/8	200
KA28 *	# 1 Str. (0.332 Dia.) - 4/0 Str. (0.528 Dia.)	2	15/16	1-1/4	5/8"	27/64	3/8	1-15/16	7/16	3/16	275
KA34 *	4/0 Str. (0.528 Dia.) - 500 kcmil (0.814 Dia.)	2	1-3/8	2-3/32	13/16"	9/16	1/2	2-9/16	9/16	9/32	375

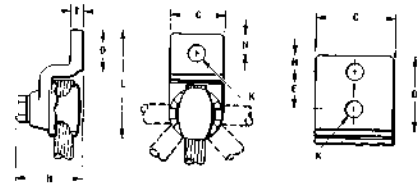
▲ Listed torque values are for maximum conductor sizes accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor sizes.

* Not CSA Certified

TYPE EA

VERSILUG™

Copper Cable



Compact, high copper alloy terminal for joining a wide range of cable to equipment pads or bar. Clamping element adjustable to several angles. One-wrench installation.

Catalog Number	Wire Range	No. of holes in pad	C	D	E	H	K	Stud Hole Size	L	N	T	Rec. Tightening Torque (in-lb)
EA2C	8 AWG-2 AWG	1	13/16	1-1/16	—	1-3/8	7/16	3/8	2-1/2	13/32	1/4	150
EA25	2 AWG-1/0	1	7/8	1-1/8	—	1-7/16	7/16	3/8	2-11/16	7/16	1/4	180
EA28	1/0 -4/0 AWG	1	1-1/16	1-3/8	—	1-3/4	7/16	3/8	3-3/16	17/32	5/16	250
EA282N	1/0 -4/0 AWG	2	1-1/16	3-5/8	1-3/4	1-3/4	9/16	1/2	5-1/8	5/8	5/16	250
EA34	250 kcmil-500 kcmil	1	1-3/8	1-5/8	—	2-1/4	9/16	1/2	4	13/16	3/8	375
EA342N	250 kcmil-500 kcmil	2	1-3/8	3-5/8	1-3/4	2-1/4	9/16	1/2	5-5/8	5/8	3/8	375

* "N" indicates NEMA standard stud holes.

▲ Listed torque values are for maximum conductor sizes accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor sizes.

TYPES QA, QQA

QIKLUG™

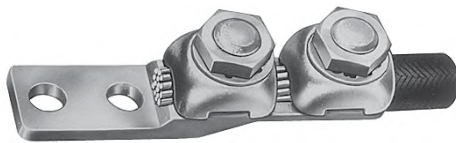


Copper Cable

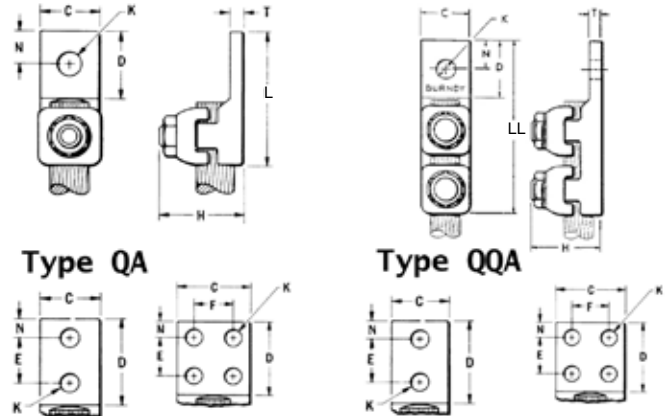
Type QA heavy duty, compact, high copper alloy terminal for joining a wide range of cable to equipment pads or bar. Fast one-wrench installation. Type QQA heavy duty, high copper alloy terminal for joining cable to equipment pads or bar. Twin clamping elements secure joint vibration and flexing. One-wrench installation.



Type QA



Type QQA



Catalog Number*		Conductor		Holes in Pad	C	D	E & F	H	K	Stud Hole Size	L	LL	N	T	Torque (in-lb)
Type QA	Type QQA	Commercial	Navy												
QA8CB	QQA8C	14 Sol. - 8 Str.	4-14	1	9/16	9/16	—	11/16	7/32	#10	1-3/8	2-5/16	9/32	5/32	75
QA8C2B	—	14 Sol. - 8 Str.	4-14	2	9/16	1-1/4	5/8	11/16	7/32	#10	2	3	5/16	5/32	75
QA4CB	—	8 Str. - 4 Str.	23-40	1	5/8	5/8	—	3/4	9/32	1/4	1-7/16	2-3/8	5/16	3/16	110
QA4C2B	QQA4C2	8 Str. - 4 Str.	23-40	2	5/8	1-3/16	5/8	3/4	9/32	1/4	2	2-15/16	5/16	3/16	110
QA1CB	QQA1C	4 Str. - 1 Str.	50-75	1	5/8	3/4	—	1	9/32	1/4	1-3/4	2-13/16	11/32	7/32	150
QA1C2B	QQA1C2	4 Str. - 1 Str.	50-75	2	5/8	1-9/16	7/8	1	11/32	5/16	2-9/16	3-5/8	11/32	7/32	150
QA26B	QQA26	1/0 Str. - 2/0 Str.	100-125	1	13/16	1	—	1-3/16	13/32	3/8	2	3-3/16	7/16	7/32	180
QA262B	QQA262	1/0 Str. - 2/0 Str.	100-125	2	13/16	1-15/16	1	1-3/16	13/32	3/8	3	4-3/16	7/16	7/32	180
QA28B	QQA28	3/0 Str. - 4/0 Str.	150-200	1	1	1-1/16	—	1-5/16	13/32	3/8	2-1/4	3-9/16	17/32	1/4	250
QA282B	—	3/0 Str. - 4/0 Str.	—	2	1	2	1	1-9/29	13/32	3/8	3-1/5	—	7/16	1/4	250
QA282N*	QQA282N*	3/0 Str. - 4/0 Str.	150-200	2	1	3-1/8	1-3/4	1-5/16	9/16	1/2	4-5/16	5-5/8	5/8	1/4	250
QA31B	QQA31	250 - 350 kcmil	250-350	1	1-3/16	1-3/8	—	1-11/16	17/32	1/2	2-11/36	4-1/8	11/16	5/16	325
QA312B	—	250 - 350 kcmil	250-350	2	1-3/16	1-31/32	1	1-11/16	7/16	3/8	3-3/8	—	7/16	5/16	325
QA312N	QQA312N*	250 - 350 kcmil	250-350	2	1-3/16	3	1-3/4	1-11/16	9/16	1/2	4-7/16	5-7/8	5/8	5/16	325
QA34B	—	400 - 500 kcmil	400-500	1	1-3/8	1-5/8	—	2	17/32	1/2	3-3/16	4-7/8	13/16	5/16	375
QA342B	—	400 - 500 kcmil	400-500	2	1-3/8	2	1	2	13/32	3/8	3-9/16	—	7/16	5/16	375
QA344B	QQA34	400 - 500 kcmil	400-500	4	1-7/8	1-15/16	1	2	7/16	3/8	3-1/2	—	7/16	5/16	375
QA342N*	QQA342N*	400 - 500 kcmil	400-500	2	1-3/8	3-3/32	1-3/4	2	9/16	1/2	4-11/16	6-9/32	5/8	5/16	375
QA40B	—	600 - 800 kcmil	650-800	1	1-5/8	1-7/8	—	2-7/16	11/16	5/8	3-11/16	—	27/32	3/8	500
QA402N*	QQA402N*	600 - 800 kcmil	650-800	2	1-5/8	3	1-3/4	2-7/16	9/16	1/2	4-14/16	7-3/32	5/8	3/8	500
QQA404N*	—	600 - 800 kcmil	650-800	4	3	3	1-3/4	2-7/16	9/16	1/2	—	7-3/32	5/8	3/8	500
QA44B	—	850 - 1000 kcmil	1000	1	1-7/8	2	—	2-3/4	11/16	5/8	3-15/16	—	1	1/2	500
QA442N*	QQA442N*	850 - 1000 kcmil	1000	2	1-7/8	3	1-3/4	2-3/4	9/16	1/2	5	7-1/8	5/8	1/2	500
QA444N*	QQA444N*	850 - 1000 kcmil	1000	4	3	3-1/16	1-3/4	2-3/4	9/16	1/2	5	7-1/8	5/8	1/2	500
QA462N*	—	1100 - 1500 kcmil	1300	2	2-1/8	3	1-3/4	3-1/8	9/16	1/2	5-1/4	—	5/8	9/16	600
QA46B	—	1100 - 1500 kcmil	1300	1	2-1/8	2-1/8	—	3-1/8	13/16	3/4	4-3/8	—	1-1/16	9/16	600

* "N" indicates NEMA standard stud holes.

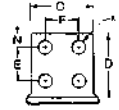
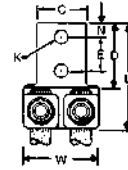
✓ All 4N items see note LIGHTNING PROTECTION INFO.

TYPE Q2A

QIKLUG™



Copper Cable



Compact, high copper alloy terminal for joining two cables to equipment pads or bars. Each element accommodates a wide range of cable. One-wrench installation.

Catalog Number*	Conductor	No. of Holes in Pad	C	D	E & F	H	K	Stud Hole Size	L	N	T	W	Recommended Tightening Torque in-lb
Q2A1C2	4 Str. - 1 Str.	2	1-1/2	1-7/8	1	1-1/16	7/16	3/8	2-7/8	7/16	7/32	1-13/16	150
Q2A262N	1/0 Str. - 2/0 Str.		1-5/8	3/4	1-3/16	1-3/8	9/16	1/2	4-3/16	5/8	1/4	1-15/16	180
Q2A282N	3/0 Str. - 4/0 Str.	1-7/8	1-3/4	2	4-3/8				2-1/8			250	
Q2A284N		4			3	4-1/2	5/16	3	325				
Q2A312N	250 - 350 kcmil	2	2-3/8	1-3/4	2	9/16	1/2	4-11/16	5/8	3/8	3-3/4	500	
Q2A314N		4	3										5	375
Q2A342N	400 - 500 kcmil	2	2-1/2	1-3/4	2-7/16	9/16	1/2	5	5/8	7/16	4-11/32	500	
Q2A344N		4	3										5	375
Q2A402N	600 - 800 kcmil	2	3	1-3/4	2-3/4	9/16	1/2	5-1/4	5/8	1/2	11/16	5	600
Q2A404N		4												3-1/4	3-1/8	5-1/2
Q2A444N	850 - 1000 kcmil	4	3-1/2	3-1/4	3-1/8	9/16	1/2	5-1/2	5/8	11/16	5	600	
Q2A464N	1100 - 1500 kcmil		3-1/2	3-1/4	3-1/8	9/16	1/2	5-1/2	5/8	11/16	5	600	

* "N" indicates NEMA standard stud holes.

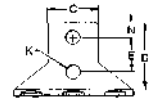
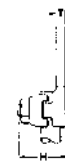
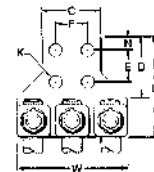
⚡ All 4N items see note LIGHTNING PROTECTION INFO.

TYPE Q3A

QIKLUG™



Copper Cable



Compact, high copper alloy terminal for joining three cables to equipment pads or bar. Each element accommodates a wide range of cable. One-wrench installation.

Catalog Number*	Conductor	No. of Holes in Pad	C	D	E & F	H	K	Stud Hole Size	L	N	T	W	Recommended Tightening Torque in lb
Q3A282N	3/0 Str. - 4/0 Str.	2	1-7/8	3-1/8	1-3/4	1-3/8	9/16	1/2	4-5/16	5/8	1/4	3-3/16	250
Q3A284N	3/0 - 4/0 Str.	4	3						4-3/8				
Q3A312N	250 - 350 kcmil	2	2-3/8	1-3/4	1-15/16	9/16	1/2	4-7/16	5/8	3/8	4-9/16	375	
Q3A314N		4	3										5
Q3A342N	400 - 500 kcmil	2	2-1/2	1-3/4	2-7/16	9/16	1/2	5	5/8	7/16	5-13/16	500	
Q3A344N		4	3										5
Q3A404N	600 - 800 kcmil	4	3	1-3/4	2-3/4	9/16	1/2	5-1/4	5/8	1/2	6-5/8	500	
Q3A444N	850 - 1000 kcmil												3-1/4	3-1/8	5-1/2
Q3A464N	1100 - 1500 kcmil	4	3-1/2	3-1/4	3-1/8	9/16	1/2	5-1/2	5/8	11/16	7-7/8	600	
			3-1/2	3-1/4	3-1/8	9/16	1/2	5-1/2	5/8	11/16	7-7/8	600	

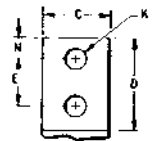
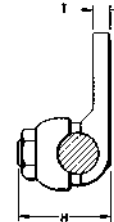
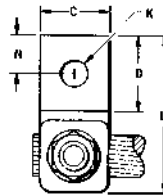
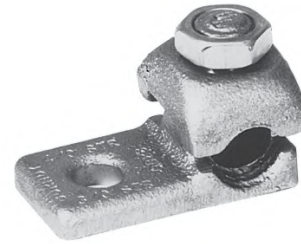
* "N" indicates NEMA standard stud holes.

TYPE QB

QIKLUG™

Copper Cable

Compact, high copper alloy side entrance terminal for joining a range of cable at right angles to terminal blocks. One-wrench installation.



Catalog Number*	Conductor	No. of Holes in Pad	C	D	E	H	K	Stud Hole Size	L	N	T	Recommended Tightening Torque in-lb
QB8C	14 Sol. - 8 Str.	1	9/16	9/16	—	7/8	7/32	#10	1-1/8	9/32	5/32	75
QB4C	8 Str. - 4 Str.	1	11/16	27/32	—	13/16	9/32	1/4	1-3/8	11/32	1/4	110
QB1C	4 Str. - 1 Str.	1	11/16	13/16	—	1	9/32	1/4	1-1/2	11/32	7/32	150
QB26	1/0 Str. - 2/0 Str.	1	13/16	1	—	1-1/32	13/32	3/8	1-13/16	7/16	7/32	180
QB28	3/0 Str. - 4/0 Str.	1	1	1-1/16	—	1-5/16	13/32	3/8	2-1/16	17/32	1/4	250
QB312N	250 - 350 kcmil	2	13/16	3-1/4	1-3/4	1-11/16	9/16	1/2	4-1/2	5/8	5/16	325

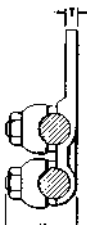
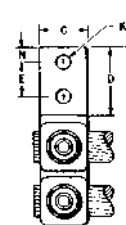
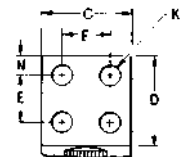
* "N" indicates NEMA standard stud holes.

TYPE Q2B

QIKLUG™

Copper Cable

Compact, high copper alloy terminal for joining two cables at right angles to a single terminal block. Each element accommodates a range of cable. One-wrench installation.



Catalog Number*	Conductor	No. of Holes in Pad	C	D	E & F	H	K	Stud Hole Size	L	N	T	Recommended Tightening Torque in-lb
Q2B282N	3/0 Str. - 4/0 Str.	2	1-7/8	3-1/8	1-3/4	1-3/8	9/16	1/2	5-3/16	5/8	1/4	250
Q2B312N	250 - 350 kcmil	2	2-3/8	3-3/16	1-11/16	1-3/8	9/16	9/16	5-7/8	5/8	5/16	325
Q2B404N	600 - 800 kcmil	4	3	3-1/16	1-3/8	2-5/16	9/16	3/4	6-11/16	5/8	7/16	500

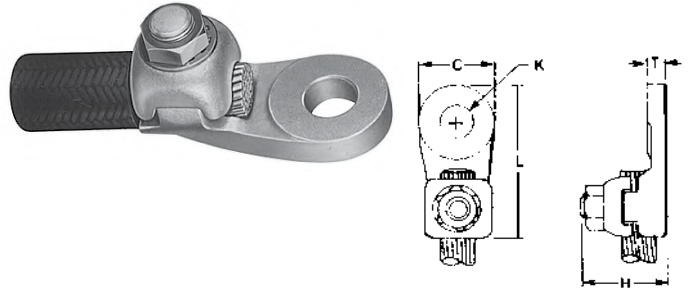
* "N" indicates NEMA standard stud holes.

⚡ All 4N items see note LIGHTNING PROTECTION INFO.

TYPE QDA

QIKLUG™

Copper Cable



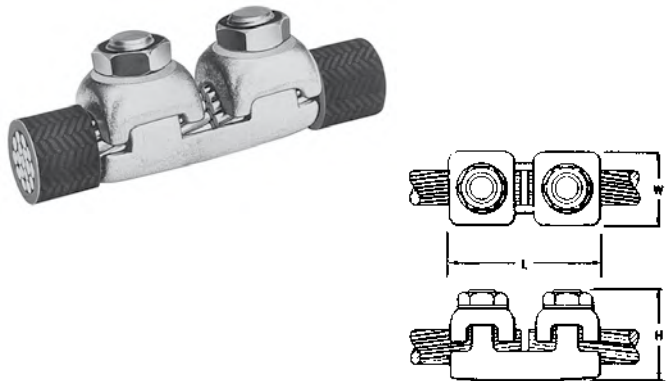
Compact, high copper alloy terminal for joining a wide range of cable to equipment studs. Provides low contact resistance when gripped between two contact nuts. One wrench installation.

Catalog Number	Conductor		C	H	K	Stud Hole Size	L	T	Recommended Tightening Torque in-lb
	Commercial	Navy							
QDA8C	14 Sol. - 8 Str.	3 - 14	1	11/16	7/16	3/8	1-7/8	3/16	75
QDA4C	8 Str. - 4 Str.	23 - 40	1	3/4	7/16	3/8	1-7/8	7/32	110
QDA1C	4 Str. - 1 Str.	50 - 75	1	1	7/16	3/8	2-3/16	9/32	150
QDA26	1/0 Str. - 2/0 Str.	100 - 125	1-1/4	1-3/16	9/16	1/2	2-1/2	5/16	180
QDA28	3/0 Str. - 4/0 Str.	150 - 200	1-1/4	1-5/16	9/16	1/2	2-5/8	5/16	250
QDA31	250 - 350 kcmil	250 - 350	1-1/2	1-11/16	11/16	5/8	3	5/16	325
QDA34	400 - 500 kcmil	400 - 500	1-7/8	2	13/16	3/4	3-5/8	5/16	375
QDA40	600 - 800 kcmil	650 - 800	2-1/8	2-5/16	1-1/16	1	4-3/16	3/8	500

TYPE QR

QIKLINK™ SPLICE OR REDUCER

Copper Cable to Cable



High copper alloy splicer/reducer for joining a range of cable end to end. Neat, compact easy to tape installation. One-wrench installation.

Catalog Number	Conductor Either Side	H	L	W	Recommended Tightening Torque in-lb
QR4C	6 Sol. - 4 Str.	3/4	1-11/16	5/8	110
QR1C	4 Str. - 1 Str.	1-1/16	1-15/16	11/16	150
QR26	1/0 Str. - 2/0 Str.	1-3/16	2-1/8	13/16	180
QR28	3/0 Str. - 4/0 Str.	1-3/8	2-3/8	1	250
QR31	250 - 350 kcmil	1-11/16	2-5/8	1-1/4	325
QR34	400 - 500 kcmil	1-15/16	3-1/16	1-7/16	375
QR40	600 - 800 kcmil	2-7/16	3-5/8	1-7/8	500

See note LIGHTNING PROTECTION INFO.

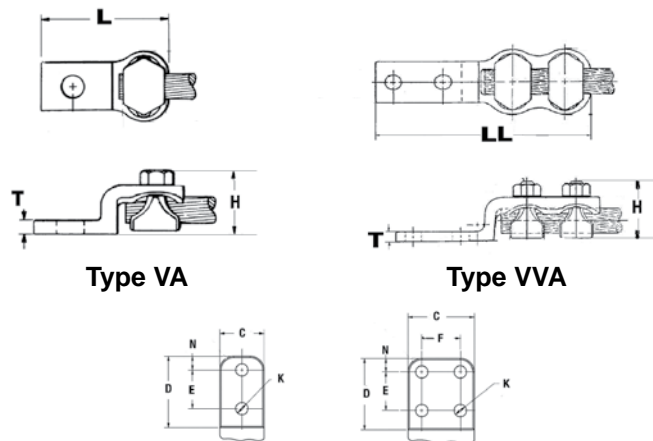
TYPES VA, VVA

VARILUG™



Copper Cable

High copper alloy terminal for joining a wide range of cable to equipment pads or bar. Particularly suitable for use on extra flexible cable. One-wrench installation. Type VVA, twin elements secure joint against vibration and flexing. Particularly recommended for use on extra flexible cables. One-wrench installation.



Catalog Number*		Conductor	No. of Holes in Pad	C	D	E&F	H	K	Stud Hole Size	L	LL	N	T	Rec. Tightening Torque
Type VA	Type VVA													
VA2C	VVA2C	8 AWG-2 AWG	1	13/16	1-1/4	—	1-1/2	7/16	3/8	2-3/4	4-1/16	13/32	1/4	275
VA25	VVA25	6 AWG-1/0	1	7/8	1-5/16	—	1-7/8	7/16	3/8	2-7/8	4-5/16	7/16	1/4	385
VA28	VVA28	1/0 -4/0 AWG	1	1-1/16	1-1/2	—	2-1/4	7/16	3/8	2-7/8	4-1/8	17/32	5/16	250
VA282N	VVA282N	1/0 -4/0 AWG	2	1-1/16	3-1/2	1-3/4	2-1/4	9/16	1/2	4-15/16	6-1/5	5/8	5/16	250
VA30	VVA30	1/0 -300 kcmil	1	1-1/8	1-5/8	—	2-3/16	7/16	3/8	3-1/4	4-5/8	5/8	5/16	325
VA302N	VVA302N	1/0 -300 kcmil	2	1-1/8	3-9/16	1-3/4	2-3/16	9/16	1/2	5-3/16	6-9/16	5/8	5/16	325
VA34	VVA34	300 kcmil-500 kcmil	1	1-3/8	2	—	3-11/32	9/16	1/2	3-13/16	5-5/16	13/16	3/8	375
VA342N	VVA342N	300 kcmil-500 kcmil	2	1-3/8	3-5/8	1-3/4	3-11/32	9/16	1/2	5-3/8	6-7/8	5/8	3/8	375
VA344N	VVA344N	300 kcmil-500 kcmil	4	3	3-5/8	1-3/4	3-11/32	9/16	1/2	5-3/8	6-7/8	5/8	3/8	375
VA40	VVA40	500 kcmil-800 kcmil	1	1-5/8	2-5/16	—	2-7/8	11/16	5/8	4-1/2	6-3/8	15/16	3/8	500
VA402N	VVA402N	500 kcmil-800 kcmil	2	1-5/8	3-5/8	1-3/4	2-7/8	9/16	1/2	5-13/16	7-11/16	5/8	3/8	500
VA404N	VVA404N	500 kcmil-800 kcmil	4	3	2-5/8	1-3/4	2-7/8	9/16	1/2	5-13/16	7-11/16	5/8	3/8	500

* "N" indicates NEMA standard stud holes.

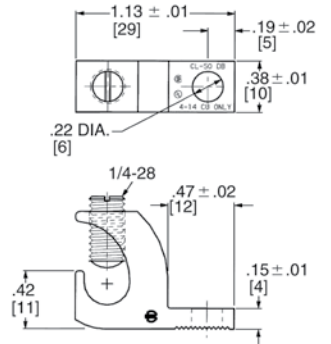
✓ All 4N items see note LIGHTNING PROTECTION INFO.

TYPE CL501 & CL501TN

COPPER LAY-IN QIKLUG™

Copper

The Lay-In QIKLUG™ is manufactured from high strength pure electrolytic copper to ensure maximum strength and conductivity. UL467 Listed for direct burial in earth or concrete. The open-faced design allows for fast lay-in of the conductor without the need for cutting or breaking. Stainless steel screws used for excellent corrosion resistance.



Catalog Number	Conductor Range	Stud Hole
CL501	14 AWG-4 AWG	#10
CL501TN	14 AWG-4 AWG	#10

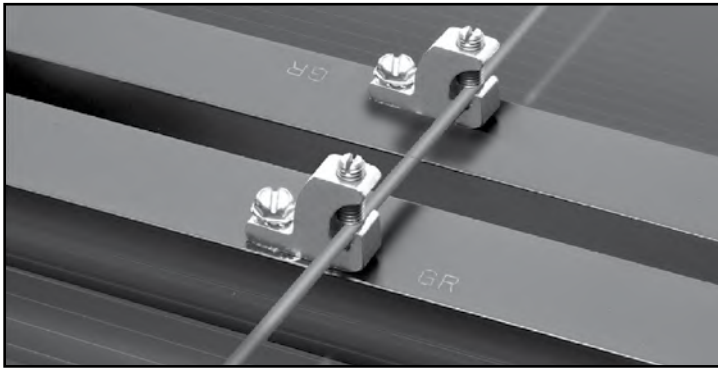


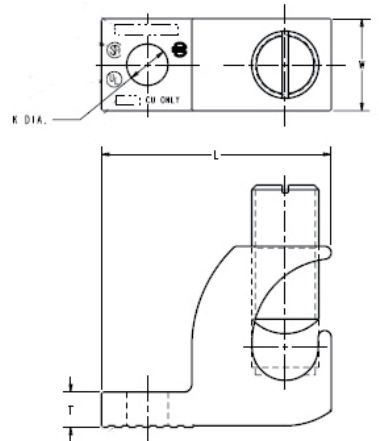
Photo above shows a typical solar panel installation using CL50-1 connectors.



TYPE CL

COPPER LAY-IN QIKLUG™

Copper



Manufactured for maximum strength and conductivity, these lay-in lugs allow for continuous runs of conductor and are well suited as terminations as well. Tin-plated, set screw style connectors, three sizes cover a range from #14AWG to 250 kcmil. CL3/0-516TN and CL250-516TN are UL Listed and CSA certified. CL1/0-14TN UL Listed for grounding and CSA Certified. 90° C rated. Suitable for copper conductors only.

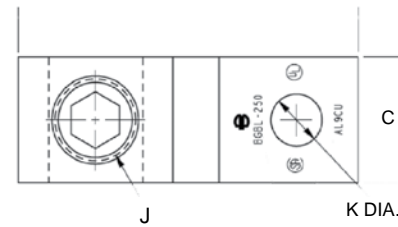
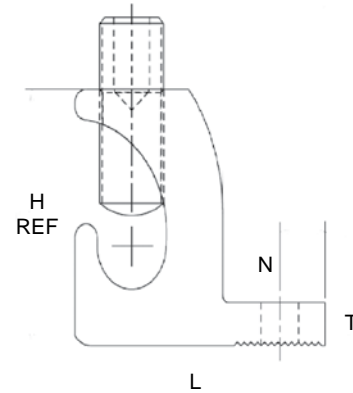
Catalog Number	Wire Range Copper	H	W	L	T	K Dia	Hex Size
CL1/014TN	#14 - 1/0 AWG	1.17	0.60	1.50	0.22	0.27	7/16-20 (Slotted)
CL3/0516TN	#6 - 3/0 AWG	1.56	0.80	2.00	0.30	0.33	9/16-18 (0.25 Hex)
CL250516TN	#6 AWG - 250 kcmil	1.79	0.80	2.20	0.30	0.33	9/16-18 (0.25 Hex)

TYPE BGBL

LAY-IN QIKLUG™

UL LISTED 90° C, 600 V

The Lay-In QIKLUG™, Type BGBL is manufactured from high strength 6061-T6 aluminum, and is ideally suited for grounding and bonding applications accommodating both copper and aluminum conductor sizes #14 AWG to 250 kcmil. The BGBL4SS with Stainless Steel screw is UL 467 Listed for grounding and bonding.



Features & Benefits

- UL 486B Listed, AL9CU Rated for copper and aluminum conductor combinations up to 90° C, 600 Volt applications
- UL Recognized for grounding and bonding to ensure reliability
- Electro-tin plating provides low contact resistance
- Lay-in feature eases installation

Catalog Number	Conductor Range	C	H	J	K	L	N	T	Hex Size
BGBL4	14 - 4	0.38 [10]	0.78 [20]	1/4 - 28	0.22 [6]	1.07 [27]	0.19 [5]	0.15 [4]	Slot
BGBL4SS*	14 - 4	0.38 [10]	0.78 [20]	1/4 - 28	0.22 [6]	1.07 [27]	0.19 [5]	0.15 [4]	Slot
BGBL1/0	14 - 1/0	0.60 [15]	1.17 [30]	3/8 - 24	0.27 [7]	1.50 [38]	0.30 [8]	0.22 [6]	Slot
BGBL250	6 - 250 kcmil	0.80 [20]	1.79 [45]	9/16 - 18	0.33 [8]	2.20 [56]	0.40 [10]	0.30 [8]	5/16

* Suitable for copper conductors only.

TYPES KA-U, KKA-U

UNIVERSAL TERMINAL

Aluminum and Copper Conductors

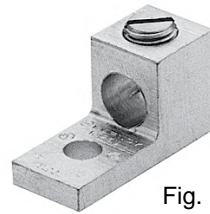


Fig. 1



Fig. 2



Fig. 3



Fig. 4

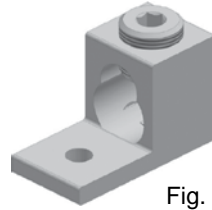
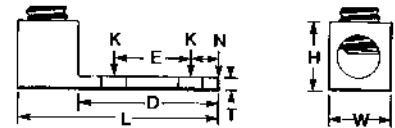


Fig. 5



Catalog Number*	Fig. No.	Wire Range Aluminum or Copper	Stud Hole Size	D	L	N	** W	E	T	** H	Recommended Tightening ▲ Torque (in-lb)
KA6U	1	14 AWG-6 AWG	1/4	0.63	1.06	0.25	0.50	—	0.09	0.51	45
KA2U	1	14-2	1/4	0.63	1.16	0.31	0.50	—	0.10	0.56	50
KA25U	1	14 AWG-1/0	1/4	0.81	1.50	0.44	0.63	—	0.19	0.92	50
KA26U	2	14 AWG-2/0	1/4	0.81	1.47	0.45	0.63	—	0.19	0.80	120
KA29U	2	6-250	5/16	0.94	2.00	0.47	1.00	—	0.25	1.14	275
KA30U	2	6 AWG-300 kcmil	5/16	0.94	2.00	0.45	1.00	—	0.25	1.14	275
KA31U	2	6 AWG-350 kcmil	3/8	1.03	2.25	0.52	1.13	—	0.25	1.27	275
KA34U	2	4 AWG-500 kcmil	3/8	1.50	2.81	0.88	1.51	—	0.31	1.58	500
KA36U	2	2 AWG-600 kcmil	3/8	1.72	3.19	0.78	1.50	—	0.44	1.58	500
KA40U	2	300 kcmil-800 kcmil	1/2	1.85	3.50	0.81	1.75	—	0.50	1.95	550
KA44U	2	500 kcmil-1000 kcmil	1/2	1.69	3.50	0.88	1.75	—	0.50	1.95	550
KKA31U2N	3	6 AWG-350 kcmil	1/2	3.16	5.50	0.63	1.25	1.75	0.38	1.52	275
KA36U2N	4	2 AWG-600 kcmil	1/2	3.22	4.69	0.63	1.50	1.75	0.44	1.57	500
KA40U2N	4	300 kcmil-800 kcmil	1/2	3.03	4.75	0.63	1.75	1.75	0.50	1.95	500
KA44U2N	4	500 kcmil-1000 kcmil	1/2	3.03	4.75	0.63	1.75	1.75	0.50	1.95	550
KA30226U	5†	6 Str. - 300 kcmil or (2) 4 Str. - 2/0 Str.	5/16	1.31	2.31	2.00	0.86	0.69	0.25	1.50	275
KA36229U	5	4 Str. - 600 kcmil or (2) 250 kcmil - 1/0 Str.	3/8	1.50	2.81	1.00	1.38	—	0.31	1.81	550
KA39230U	5	#2 Str. - 750 kcmil or (2) 1/0 Str. - 300 kcmil	3/8	1.50	2.81	1.00	1.38	—	0.31	1.81	550

* "N" indicates NEMA standard stud holes.

▲ Listed torque values are for maximum conductor sizes accommodated.

Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor sizes.

† Figure 5 keyhole style with 2 hole pad.

** Maximum dimension.

TYPE K2A-U

UNIVERSAL TERMINAL

Aluminum and Copper Conductors
(Two Conductors)

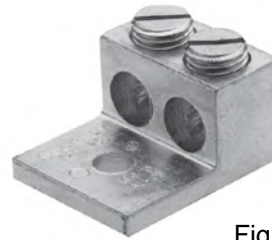


Fig. 1

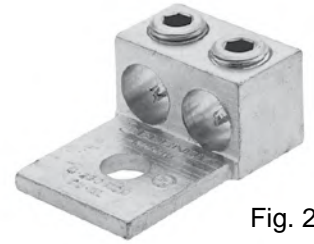


Fig. 2

These dual-rated two-conductor lugs are constructed from high strength aluminum alloy and electro tin-plated to provide low contact resistance.

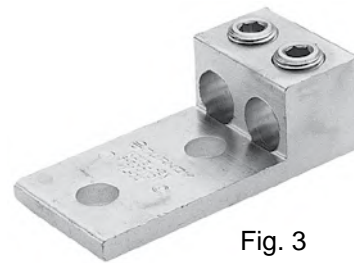
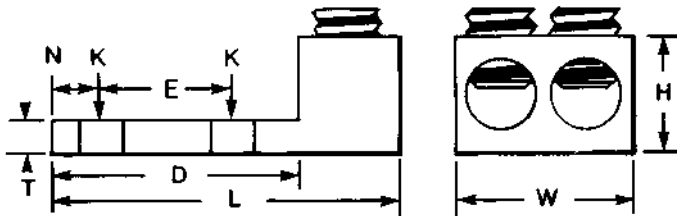


Fig. 3

Catalog Number*	Fig. No.	TWO: Wire Range (Aluminum or Copper)	Stud Hole Size	D	L	N	** W	E	T	** H	Recommended Tightening ▲ Torque (in-lb)
K2A25U	1	14 AWG-1/0	1/4	0.81	1.47	0.44	1.13	—	0.19	0.79	50
K2A26U	2	14 AWG-2/0 AWG	1/4	0.81	1.47	0.44	1.25	—	0.19	0.80	120
K2A29U	2	6 AWG-250 kcmil	3/8	1.50	2.56	0.50	1.66	—	0.25	1.20	275
K2A31U	2	6 AWG-350 kcmil	1/2	1.69	2.88	0.88	1.94	—	0.25	1.26	275
K2A36U	2	2 AWG-600 kcmil	1/2	1.75	3.20	0.63	2.41	—	0.44	1.58	375
K2A40U	2	300 kcmil-800 kcmil	5/8	1.66	3.38	0.88	3.19	—	0.50	1.95	500
K2A44U	2	500 kcmil-1000 kcmil	5/8	1.66	3.50	0.88	3.52	—	0.50	1.95	500
K2A31U2N	3	6 AWG-350 kcmil	1/2	3.00	4.50	0.63	2.31	1.75	0.31	1.39	275
K2A36U2N	3	2 AWG-600 kcmil	1/2	3.22	4.69	0.63	2.41	1.75	0.44	1.39	375
K2A40U2N	3	300 kcmil-800 kcmil	1/2	3.03	4.75	0.63	3.19	1.75	0.50	1.95	375
K2A44U2N	3	500 kcmil-1000 kcmil	1/2	3.03	4.75	0.63	3.19	1.75	0.50	1.95	375

* "N" indicates NEMA standard stud holes.

▲ Listed torque values are for maximum conductor sizes accommodated.

Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor sizes.

** Maximum dimension.

TYPES K3A-U, KK3A-U

UNIVERSAL TERMINAL

Aluminum and Copper Conductors
(Three Conductor)

Dual-rated three-conductor lugs are constructed from high strength aluminum alloy and electro tin-plated to provide low contact resistance.



AL9CU



Fig. 1



Fig. 2



Fig. 3



Fig. 4

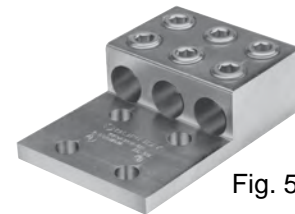
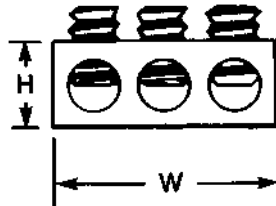
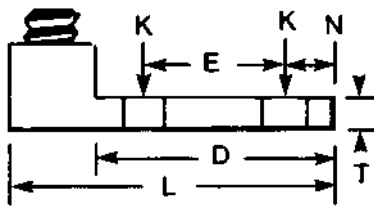


Fig. 5

Catalog Number**	Fig. No.	THREE: Wire Range (Aluminum or Copper)	K	Stud Hole Size	Dimensions							Rec. Tightening ▲ Torque (in-lb)
					D	L	N	W	E	T	H	
K3A2U2*	1	14 AWG-2 AWG	11/32	5/16	1.63	2.19	0.34	1.59	0.88	0.19	0.62	50
K3A25U2*	1	14 AWG-1/0	7/16	3/8	2.09	2.91	0.34	1.94	1.00	0.25	0.88	50
K3A26U2N	3	14 AWG-2/0 AWG	9/16	1/2	3.06	3.75	0.63	1.95	1.75	0.19	1.79	50
K3A27U2N	3	6 AWG-3/0 AWG	9/16	1/2	3.00	3.88	0.63	2.81	1.75	0.31	1.12	275
K3A29U2N	3	6 AWG-250 kcmil	9/16	1/2	3.16	4.00	0.63	2.81	1.75	0.31	1.19	275
K3A31U2N	3	6 AWG-350 kcmil	9/16	1/2	3.16	4.31	0.63	3.52	1.75	0.31	1.38	275
K3A36U2N	3	2 AWG-600 kcmil	9/16	1/2	3.22	4.69	0.63	3.63	1.75	0.44	1.56	375
KK3A36U2N	2	2 AWG-600 kcmil	9/16	1/2	3.00	5.50	0.63	4.22	1.75	0.38	1.52	375
KK3A40U2N	2	300 kcmil-800 kcmil	9/16	1/2	3.34	6.19	0.63	4.81	1.75	0.56	1.89	375
KK3A44U2N	2	500 kcmil-1000 kcmil	9/16	1/2	3.34	6.19	0.63	4.75	1.75	0.56	1.90	500
K3A2U4*	4	14 AWG-2 AWG	11/32	5/16	1.63	2.19	0.34	1.59	0.88	0.19	0.62	50
K3A25U4*	4	14 AWG-1/0	7/16	3/8	2.09	2.91	0.34	1.94	1.00	0.25	0.88	50
K3A27U4N	4	6 AWG-3/0 AWG	9/16	1/2	3.00	3.88	0.63	2.81	1.75	0.31	1.12	275
K3A29U4N	4	6 AWG-250 kcmil	9/16	1/2	3.00	4.00	0.63	2.81	1.75	0.31	1.19	275
K3A31U4N	4	6 AWG-350 kcmil	9/16	1/2	3.00	4.31	0.63	3.00	1.75	0.31	1.38	275
K3A36U4N	4	2 AWG-600 kcmil	9/16	1/2	3.22	4.69	0.63	3.63	1.75	0.44	1.56	375
K3A40U4N	4	300 kcmil-800 kcmil	9/16	1/2	3.03	4.75	0.63	4.81	1.75	0.50	1.94	375
KK3A36U4N	5	2 AWG-600 kcmil	9/16	1/2	3.00	5.50	0.63	4.22	1.75	0.38	1.52	375
KK3A40U4N	5	300 kcmil-800 kcmil	9/16	1/2	3.34	6.19	0.63	5.34	1.75	0.56	1.89	500
KK3A44U4N	5	500 kcmil-1000 kcmil	9/16	1/2	3.34	6.19	0.63	4.75	1.75	0.56	1.90	500

* Slotted screw.

** 'N' indicates NEMA standard stud holes.

▲ Listed torque values are for maximum conductor sizes accommodated.

Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor sizes.

✓ All 4N items see note LIGHTNING PROTECTION INFO.

TYPES K4A-U, KK4A-U

UNIVERSAL TERMINAL

Aluminum and Copper Conductors
(Four Conductors)

These dual-rated four conductor lugs are constructed from high strength aluminum alloy and electro tin-plated to provide low contact resistance.



Fig. 1

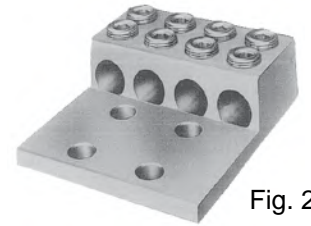
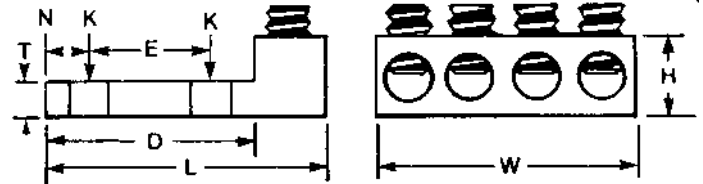


Fig. 2



Catalog Number*	Fig. No.	FOUR: Wire Range (Aluminum or Copper)	Stud Hole Size	Dimensions							Recommended Tightening Torque (in-lb)
				D	L	N	W	E	T	H	
K4A29U4N	1	6 AWG-250 kcmil	1/2	3.16	4.25	0.63	3.69	1.75	0.31	1.19	275
K4A31U4N	1	6 AWG-350 kcmil	1/2	3.00	4.50	0.63	5.04	1.75	0.31	1.38	275
KK4A36U4N	2	2 AWG-600 kcmil	1/2	3.34	5.63	0.63	5.00	1.75	0.44	1.51	375
KK4A40U4N	2	300 kcmil-800 kcmil	1/2	3.41	6.19	0.63	6.00	1.75	0.56	1.88	375

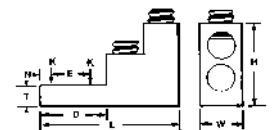
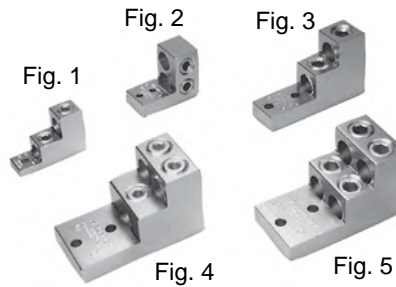
* "N" indicates NEMA standard stud holes.

⚡ All 4N items see note LIGHTNING PROTECTION INFO.

TYPES K11A-U, K21A-U, K22A-U

UNIVERSAL TERMINAL

Aluminum and Copper Conductors



Dual-rated panelboard lugs are constructed from high strength extruded aluminum alloy and electro tin-plated to provide low contact resistance.

Catalog Number	Fig. No.	# of Conductors	Wire Range (Aluminum or Copper)	Stud Hole Size	D	L	N	W	E	T	H	Recommended Tightening ▲ Torque (in-lb)
K11A30U	1	2	6 AWG-300 kcmil	5/16	0.94	3.00	0.47	1.00	—	0.50	2.03	275
K11A34U2	2	2	4/0 AWG-500 kcmil	1/4	2.31	2.91	0.25	1.44	0.69	0.63	2.40	375
K11A36U2	3	2	2 AWG-600 kcmil	3/8	2.31	4.91	0.38	1.50	1.38	0.75	3.02	375
K21A36U2	4	3	2 AWG-600 kcmil	3/8	2.31	4.91	0.38	2.50	1.38	0.75	3.03	375
K22A36U2	5	4	2 AWG-600 kcmil	3/8	2.31	4.91	0.38	2.50	1.38	0.75	3.03	375
K11A39U2	3	2	1/0 -750 kcmil	3/8	2.31	4.91	0.38	1.69	1.38	0.75	3.02	375
K22A39U2	5	4	1/0 -750 kcmil	3/8	2.31	4.91	0.38	3.06	1.38	0.75	3.02	375

▲ Listed torque values are for maximum conductor sizes accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor sizes.

TYPE K-A-U2N

UNIVERSAL TERMINAL



Aluminum and Copper Conductors
(One to Four Conductors; NEMA-Spaced Tongue)

These panel board terminals allow multiple conductors to be terminated to equipment pads, bus bars, or other electrical equipment. Conductor ports are in a stacked arrangement to save space. They are made from high strength aluminum alloy and are tin-plated for low contact resistance.

Features & Benefits

- Dual rated AL9CU for both copper and aluminum conductor
- 600 Volt Rated
- UL Listed UL486A-486B; CSA Certified C22.2 No. 65
- Range taking conductor ports
- Each size can accommodate up to 4 conductors
- 1/2" diameter stud holes spaced 1-3/4" apart (NEMA-spacing)



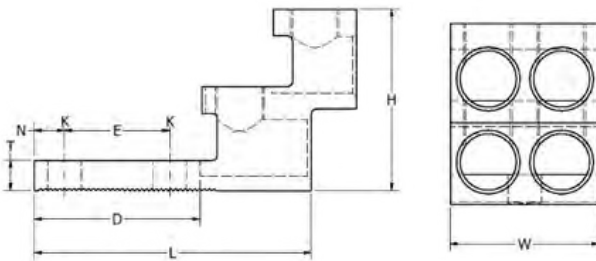
Fig. 1



Fig. 2



Fig. 3



Catalog Number	Fig. #	# of Conductors	Wire Range	W	Stud Hole Size	D	L	N	E	T	H	Rec. Installation Torque (in-lbs)
K11A36U2N	1	2	#2 AWG - 600 kcmil	1.50"	1/2"	2.75"	5.34"	0.50"	1.75"	0.50"	3.00"	375
K21A36U2N	2	3		2.47"								
K22A36U2N	3	4		2.47"								
K11A39U2N	1	2	1/0 AWG - 750 kcmil	1.50"	1/2"	2.75"	5.34"	0.50"	1.75"	0.50"	3.00"	375
K21A39U2N	2	3		2.75"								
K22A39U2N	3	4		2.75"								

TYPES K6A-U, K8A-U, KK6A-U, KK8A-U

UNIVERSAL TERMINALS

Aluminum and Copper Conductors
(Six and Eight Conductors)

These dual-rated six and eight conductor lugs are constructed from high strength aluminum alloy and electro tin-plated to provide low contact resistance.

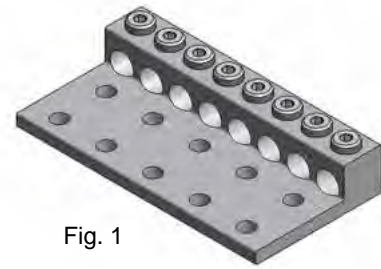


Fig. 1

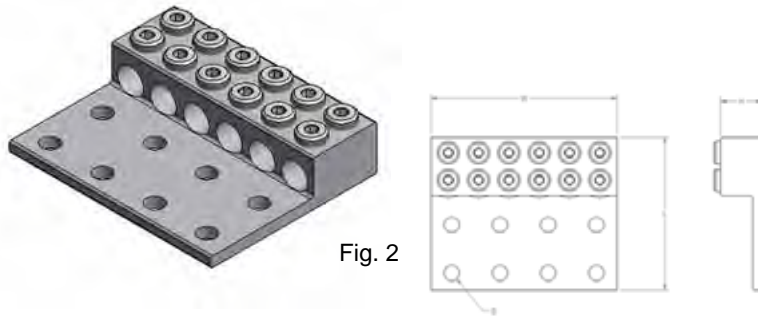


Fig. 2

Catalog Number	Fig. No.	No. of Conductors	No. of Mtg Holes	Wire Range Aluminum or Copper	Stud Hole Size	Depth	Width	Height	Rec. Tightening Torque in-lb ♦
K6A34U8	1	6	8	10 AWG - 500 kcmil	9/16	4.63	6.75	1.56	375
K8A34U10	1	8	10	10 AWG - 500 kcmil	9/16	4.63	8.75	1.56	375
KK6A31U8	2	6	8	12 AWG - 350 kcmil	9/16	5.31	6.38	1.50	275
KK8A31U10	2	8	10	12 AWG - 350 kcmil	9/16	5.31	8.13	1.50	275
KK6A34U8	2	6	8	10 AWG - 500 kcmil	9/16	5.50	6.75	1.50	375
KK8A34U10	2	8	10	10 AWG - 500 kcmil	9/16	5.50	8.75	1.50	375
KK8A39U12	2	8	12	2 AWG - 750 kcmil	9/16	6.19	10.25	1.88	550
KK6A44U12	2	6	12	350 kcmil - 1000 kcmil	9/16	6.19	10.00	1.88	550
KK8A44U14	2	8	14	350 kcmil - 1000 kcmil	9/16	6.19	12.12	1.88	550

♦ Listed torque values are for maximum conductor sizes accommodated. Consult UL486 Tables 7-4, 7-5, & 7-6 for smaller conductor sizes

TYPE KAU-KIT

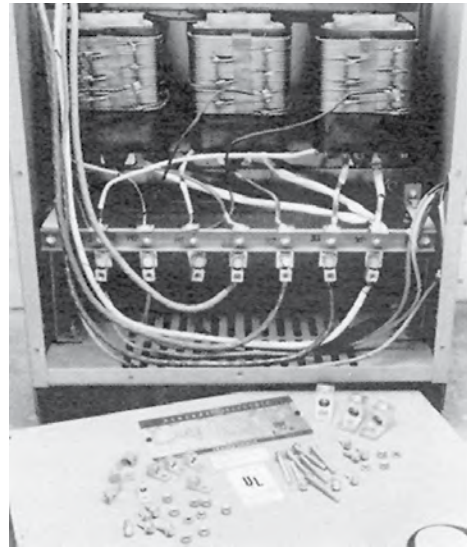
TRANSFORMER LUG KIT

These dual-rated lugs are constructed from high strength aluminum alloy and electro tin-plated to provide low contact resistance. Lugs and mounting hardware packaged together in these kits.



Features & Benefits

- UL Listed and CSA Certified, AL9CU dual rated set screw terminals to ensure the transformer feeders and taps are terminated properly
- Plated steel cap screws and hex nuts with captive conical washers or individual Belleville washers
- Terminal to bus connections are made using proper hardware resulting in true torque to pressure performance - compensates for dissimilar metal expansion and contraction
- Hardware packed in plastic bag to prevent lost hardware prior to installation
- Larger 800 kcmil lugs in KIT3 and KIT4 accommodates common 750 kcmil tap conductors in larger transformers



Catalog Number	Transformer KVA Rating	Terminals		Wire Range Aluminum or Copper	Hardware					
		Qty	Catalog Number		Qty	Bolt Size	Qty	Nut	Qty	Washer
KAUKIT1	15 - 37.5 1Ø	8	KA2U	14 AWG-250 kcmil	8	1/4-20 X 3/4 HH	8	1/4 X 20 HN	-	Captive to Nut
	15 - 45 3Ø	4	KA29U							
KAUKIT2	50 - 75 1Ø	12	KA29U	6 AWG-250 kcmil	8	1/4-20 X 3/4 HH	16	1/4 X 20 HN	-	Captive to Nut
	75 - 112.5 3Ø				8	1/4-20 X 2 HH				
KAUKIT3	100 - 167 1Ø	6	K2A31U	6 AWG-800 kcmil	5	1/2-13 X 3 HH	11	1/2-13 HN	22	1/2 FW
	150 - 300 3Ø	7	K2A40U		6	1/2-13 X 2-1/2 HH			11	1/2 Belleville
KAUKIT4	400 - 500 3Ø	15	K2A40U	300 kcmil-800 kcmil	7	1/2-13 X 2 HH	11	1/2-13 HN	22	1/2 FW
					4	1/2-13 X 2-1/2 HH			11	1/2 Belleville

HH = Hex Head
 HN = Hex Nut
 FW = Flat Washer

TYPES KAP / KAPO

MECHANICAL PIN ADAPTORS



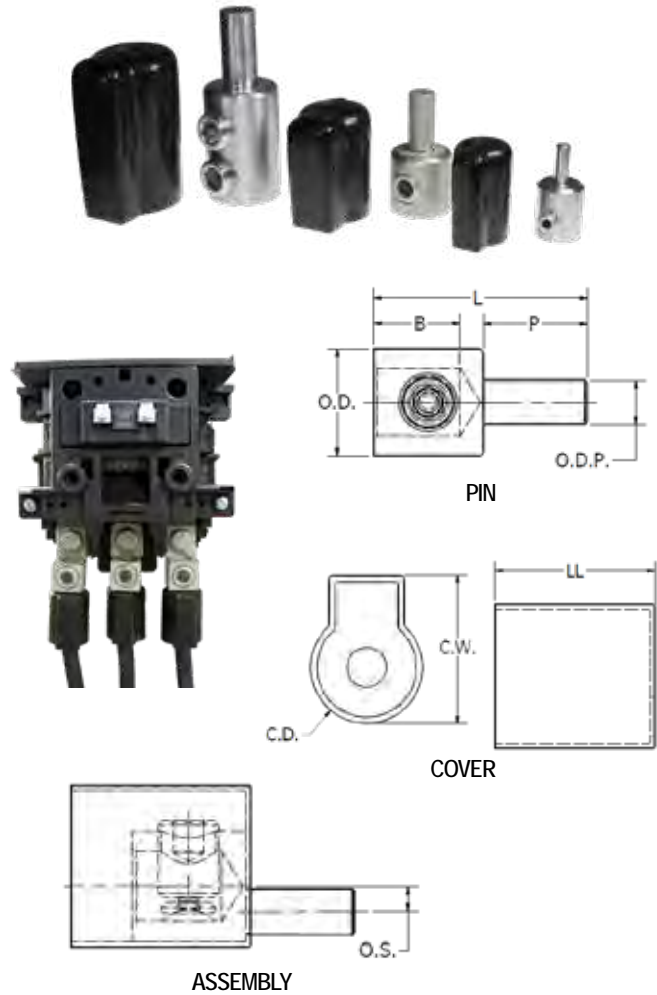
Aluminum and Copper Conductors

Five range taking sizes accommodate from #6 to 750 kcmil. Each size is offered in a center and off-centered pin design. The off-centered pins can be rotated to prevent interference when installing conductors side-by-side in limited space applications. Insulated covers are provided with each connector to prevent contact between it and uninsulated live parts of opposite polarity or grounding metal.

UL Listed for use with Flex (fine stranded) conductor; four smaller sizes utilize a disc-pad screw preventing damage to the fine strands as the conductor is compressed during installation.

Features & Benefits

- AL9CU Dual rated for both copper and aluminum conductor; 600 Volt Rated
- UL Listed to UL Wire Connector Standard UL486A-B
- Rated for use with Flex (fine stranded) conductor
- Range taking conductor port
- Off-centered pin available to reduce center-to-center distance between adjacent pins
- Easy installation with the use of a torque wrench - no crimping tool and/or die required
- Plastisol insulated covers provided with each connector
- Covers are molded to fit around set screws protruding from connector



Catalog Number	Wire Range Class B, C, H, I, K, DLO	Pin Dimensions						Cover Dimensions				Assy Dim.	Installation Torque (in-lbs)		Hex Key	Amp Rating
		O.D.	B (Strip Length)	L	P	O.D.P.	Pin Size Equiv.	C.D.	C.W.	LL	O.S.		Range	Torque		
KAP1/0	#6 - 1/0 AWG	1.00	.97	2.01	.84	.29	2 AWG	1.12	1.43	1.92	—	#6 - 1/0 AWG	100	1/4"	170	
KAPO1/0		[25]	[25]	[51]	[21]	[7]		[28]	[36]	[49]						.27/[7]
KAP250R	#2 - 250 kcmil	1.25	1.00	2.47	1.09	0.33	1/0 AWG	1.43	1.81	2.22	—	#2 - 2/0 AWG 3/0 AWG - 262 DLO	180 300	5/16"	290	
KAPO250R		[32]	[25]	[63]	[28]	[8]		[36]	[46]	[56]						.37/[9]
KAP350R	1/0 - 350 kcmil	1.38	1.11	2.75	1.34	0.42	3/0 AWG	1.50	2.00	2.22	—	1/0 AWG - 373 DLO	450	3/8"	350	
KAPO350R						[13]										.31/[8]
KAP350						.57										—
KAPO350						[14]										.31/[8]
KAP500R	4/0 - 500 kcmil	1.50	1.10	2.92	1.34	0.57	300 kcmil	1.68	2.43	2.42	—	4/0 AWG 250 kcmil - 535 DLO	400 600	1/2"	430	
KAPO500R																[38]	[28]	[74]	[34]	[14]	[43]	[62]	[61]	.38/[10]
KAP750	350 - 750 kcmil	1.75	2.30	4.46	1.76	.81	500 kcmil	1.87	2.37	3.51	—	350 - 750 kcmil	500	1/2"	535	
KAPO750																[44]	[58]	[113]	[45]	[21]	[48]	[60]	[89]	.38/[10]

TYPE AMS

DUAL RATED SPLICER/REDUCER

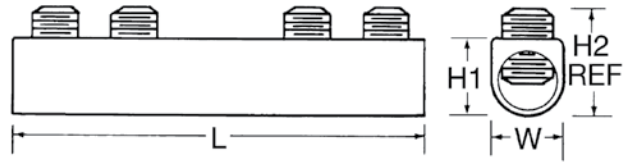
Copper and Aluminum Cable

All splicer/reducers are dual rated for use with aluminum and copper conductors and are constructed from high strength, tin plated aluminum. PENETROX™ oxide inhibiting joint compounds are recommended for all aluminum applications.



Features & Benefits

- All connectors are tin-plated to provide low contact resistance and prevents galvanic corrosion
- Connectors feature rounded bottoms which facilitates taping
- Solid center barrier prevents contact of dissimilar metals
- Large screw diameters ensure greater surface contact with wires for maximum pullout force
- Large cable range accommodated; each splice is also an effective reducing connector



Catalog Number	Wire Range	L	W	H1	H2 Max	Number of Screws	Screw Diameter	Hex Size
	Aluminum & Copper							
AMS2*	14 AWG-2 AWG	1-19/32	9/16	9/16	0.79	2	3/8	Slot
AMS0*	14 AWG-1/0	1-29/32	3/4	3/4	0.86	2	7/16	Slot
AMS4/0	6 AWG-4/0 AWG	2-5/16	1	1-3/32	1.28	2	9/16	5/16
AMS250	6 AWG-250 kcmil	4-3/32	1	1-3/32	1.29	4	5/8	5/16
AMS350	6 AWG-350 kcmil	4-11/32	1	1-3/32	1.3	4	11/16	5/16
AMS500	3/0 AWG-500 kcmil	4-25/32	1-1/4	1-3/8	1.48	4	13/16	3/8
AMS750	250 kcmil-750 kcmil	6-1/6	1-7/16	1-5/8	1.98	4	15/16	1/2
AMS1000	500 kcmil-1000 kcmil	8-11/16	1-21/32	1-7/8	2.34	6	1-1/8	9/16

* Slotted Screws. H2 measured with maximum conductors, reference only.

✓ Complies with NFPA 78-86.

TYPE KPU-AC

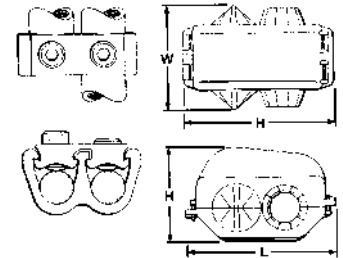
POLYTAP™



Insulated Gutter Tap for All Copper and Aluminum Combinations

Wide range-taking tin-plated aluminum parallel clamp and insulating cover assembly for industrial and multiple story structure applications. Only six connectors cover the entire 14 Sol.-750 kcmil range. Covers having flexible fingers that conform to conductor, fully insulating the connection. UL486B Listed for 600 volts maximum 90° C service. Cover and connector are packaged together. No taping required.

600 Volt Max. 90° C



Catalog Number	Conductor Copper or Aluminum		W	H	L	Rec. Tightening ▲ Torque in-lb
	Run	Tap				
KPU29A26AC	1/0 -250 kcmil	14 AWG-2/0 AWG	3-1/8	3-3/8	4.24	375
KPU29A29AC	1/0 -250 kcmil	6 AWG-250 kcmil	3-1/8	3-3/8	4.24	375
KPU34A26AC	4/0 AWG-500 kcmil	14 AWG-2/0 AWG	3-1/2	3-1/2	4.58	450
KPU34A34AC	4/0 AWG-500 kcmil	6 AWG-500 kcmil	3-1/2	3-1/2	4.58	450
KPU39A39AC	500 kcmil-750 kcmil	1/0 -750 kcmil	3-1/2	3-83/100	5.06	600

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller combinations.

✓ See note LIGHTNING PROTECTION INFO.

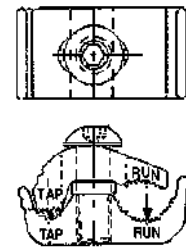
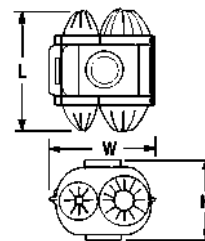
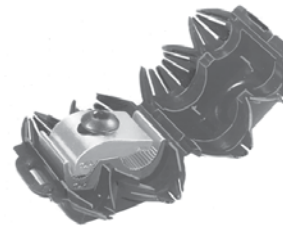
TYPE UCU-AC

RISER TAP

600 VOLT MAX. 90° C MAX



Parallel-groove riser tap and insulation cover for copper and aluminum. Wide range-taking assembly for apartment house and light industrial applications. Cover and connector are packaged together. Covers having insulating fingers that conform to conductors, fully insulating the connection. UL486B Listed for 600 volts max. 90° C service



Catalog Number	Conductor Copper or Aluminum		W	H	L	Recommended Tightening ▲ Torque in-lb
	Run	Tap				
UCU28AC	#2 Str. - 4/0 Str.	#10 Sol. - #2 Str.	2-1/4	1-13/16	2-5/8	120

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller combinations.

TYPE AGSKIT

ABOVE GRADE SPLICE KITS

Aluminum or Copper/Aluminum Combinations

Type AGS Above Grade Splice Kit consists of a standard AMS splice/reducer and a heavy wall heat-shrink sleeve. The AMS Splice is dual rated for use with aluminum and copper conductors and are constructed from high strength, tin plated aluminum that provides low contact resistance and reduces the effects of galvanic corrosion. Connector is installed with common installation tools. The heavy wall heat shrink sleeve is lined with adhesive material, providing a positive seal against moisture egress. Heat shrink sleeve is installed with standard propane torch, or electric heat gun.

Catalog Number	Figure Number	Wire Range
AGSKIT2	1	8 AWG-2 AWG
AGSKIT250	2	1 AWG-250 kcmil



Fig. 1



Fig. 2



TYPE UGSKIT

WATERTIGHT/UNDERGROUND SPLICE KITS

Aluminum or Copper/Aluminum Combinations

Type UGS Watertight Underground Splice Kit consists of a standard AMS splice/reducer and two heavy wall heat-shrink sleeves. The AMS Splice is dual rated for use with aluminum and copper conductors and are constructed from high strength, tin plated aluminum that provides low contact resistance and reduces the effects of galvanic corrosion. Connector installed with common installation tools. Both heavy wall heat shrink sleeves are lined with adhesive material, providing a watertight splice that can withstand abrasions that may occur during direct burial applications. Heat shrink sleeve installed with standard propane torch, or electric heat gun.

Catalog Number	Figure Number	Wire Range
UGSKIT2*	1	8 AWG-2 AWG
UGSKIT250*	2	1 AWG-250 kcmil

*UL486D Listed for Direct Burial



Fig. 1



Fig. 2



TYPE UGSKIT8

UF DIRECT BURIAL SPLICE KIT



Type UGS UF Splice Kit consists of a UF splice connector and a heavy wall heat-shrink sleeve. The UF splice connector can accommodate up to four UF conductors and is installed with common installation tools. The heavy wall heat shrink sleeve is lined with an adhesive material, providing a water-tight splice that can withstand abrasions that may occur during direct burial applications. Heat shrink sleeve installed with standard propane torch, or electric heat gun.



Catalog Number	Wire Range
	Copper
UGSKIT8*	14 AWG-8 AWG

*UL486D Listed for Direct Burial

TYPE UGS350ULDB

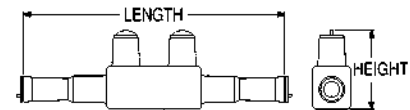
IN-LINE SPLICE/REDUCER

For Direct Burial



Features & Benefits

- EPDM rubber covered 6061-T6 aluminum connector
- Dual rated AL9CU for copper or aluminum conductor
- UL Listed and CSA Certified for Direct Burial
- Broad range taking capability
- Low installation cost
- Submersible rated
- For use in wet or damp locations excluding Freezing Conditions; ensure products are installed below frost line (where applicable) when used in wet conditions



Catalog Number	Wire Range	Length	Height	Hex Size	Torque (In. Lbs.)
UGS350ULDB	12 AWG-350 kcmil	8.50	2.81	5/16	350

BURNDY UNITAP™

THE MOLE™

For Direct Burial
600V, 90° C

Designed specifically for direct burial applications, the MOLE™ in-line splice/reducer is made with a specialized plastisol material that forms a rugged weathertight connection.



Features & Benefits

- UL486D UL Listed for Direct Burial
- AL9CU Dual-rated for copper and aluminum applications; 600 Volts, 90°C
- Plastisol covered AL 6061-T6 aluminum body saves time by eliminating the need for heat shrink
- Oxide inhibitor pre-installed prevents moisture and contaminants from entering the contact area
- Range-taking capability reduces the number of connectors in inventory



Catalog Number	Number of Ports	Wire Range (AWG/kcmil)	L	W	H	Hex Key	Torque (In.-lbs.)	Wire Strip Length
BISR4DB	2	#6 AWG-#4 AWG	4.30	0.68	1.39	1/8	50	7/8"
BISR1DB	2	#2 AWG-#1 AWG	6.30	0.88	1.75	5/32	130	1-3/32"
BISR3/0DB	2	1/0 AWG -3/0 AWG	6.25	0.99	1.96	3/16	220	1-3/32"
BISR250DB	2	4/0 AWG-250 kcmil	6.70	1.18	2.17	5/16	360	1-5/16"

BISR-DB = BURNDY Inline Splice/Reducer Direct Burial.
UNITAP™ rated for code conductor only.

Direct Burial UNITAP™ Connectors

UNITAP™

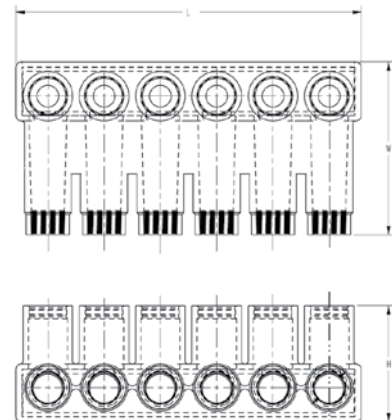
Dual Rated Multiple Tap Connector

These rubber insulated, dual rated connectors are for use in networks up to 600V. Suitable in light fixture pole bases in commercial, industrial, or residential markets. Distribution within strip malls, for use in any multi-tenant facility. No taping or heat shrink required.



Features & Benefits

- Dual rated for aluminum or copper conductors
- Each unit is individually marked for ease of identification
- Supplied with aluminum set-screws
- Covering is the highest quality EPDM rubber
- Supplied with oxide inhibitor pre-installed
- Submersible rated and suitable for Direct Burial
- Meets ANSI C119.1 and C119.4 requirements
- Rated 600V and 90°C; UL Listed and CSA Certified
- For use in wet or damp locations excluding Freezing Conditions; ensure products are installed below frost line (where applicable) when used in wet conditions
- Silicone provided for conductor insertion



Catalog Number	# of Ports	Wire Range (AWG/kcmil)	L	W	H	Wire Strip Length (in)
BIBS3502DB	2	12 AWG-350 kcmil	2.61	4.06	2.46	1.125
BIBS3503DB	3	12 AWG-350 kcmil	3.82	4.06	2.46	1.125
BIBS3504DB	4	12 AWG-350 kcmil	5.03	4.06	2.46	1.125
BIBS3505DB	5	12 AWG-350 kcmil	6.24	4.06	2.46	1.125
BIBS3506DB	6	12 AWG-350 kcmil	7.45	4.06	2.46	1.125
BIBS5003DB	3	10 AWG-500 kcmil	4.31	4.58	3.13	1.50
BIBS5004DB	4	10 AWG-500 kcmil	5.69	4.58	3.13	1.50
BIBS5005DB	5	10 AWG-500 kcmil	7.06	4.58	3.13	1.50
BIBS5006DB	6	10 AWG-500 kcmil	8.44	4.58	3.13	1.50

Recommended Torque Values for Direct Burial UNITAP™		Recommended BURNDY® Torque Wrench
Conductor Size	Recommended Torque Range	
#12 - #6 AWG	125 - 150 in-lbs	BTW30150
#4 - 3/0 AWG	180 - 240 in-lbs	BTW150750
4/0 - 350 AWG	275 - 450 in-lbs	BTW150750
400 - 1000 AWG	475 - 550 in-lbs	BTW150750



UNITAP™ Clear Insulated Multi-Tap Connectors for Code Conductor

UNITAP™

Clear Insulated Multiple Tap Connectors

Tap connections and in-line splice/reductions are made quickly and easily with the UNITAP™ line of clear insulated connectors for code conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C. Featuring multiple configurations suitable for most any application.



Features & Benefits

- Clear Plastisol covered AL6061-T6 aluminum body saves time, lowering installation costs and eliminates taping
- Clear Plastisol allows visual confirmation that the conductor is properly inserted
- Oxide inhibitor pre-installed inhibits moisture and contaminants from entering the contact area
- Range-taking capability reduces number of connectors necessary to carry in inventory



In-Line Splice Reducer
Figure 1



Tap - Opposite Side Entry
Figure 2



Tap - Same Side Entry
Figure 3



Multiple Port Tap
Single Sided Entry
Figure 4



Multiple Port Tap
Double Sided Entry
Figure 5



Multiple Port
Mounted Tap
Single Sided Entry
Figure 6



Multiple Port
Mounted Tap
Double Sided Entry
Figure 7

UNITAP™ Clear Insulated In-Line Splice/Reducer Connectors for Code Conductor

Clear Insulated In-Line Splice/Reducer Connectors



In-Line Splice Reducer
Figure 1

Type BISR in-line splice/reductions are made quickly and easily with the UNITAP™ line of clear insulated connectors for code conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C. The full UNITAP™ line features multiple configurations suitable for most any application.

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number
					L	W	H		
14 AWG-2 AWG	115 A	2	In-Line Splice Reducer	1	2.38	0.75	1.22	5/32	BISR2
14 AWG-1/0 Str	150 A	2	In-Line Splice Reducer	1	2.91	0.91	1.38	3/16	BISR1/0
10 AWG-250 kcmil	250 A	2	In-Line Splice Reducer	1	4.01	1.19	2.13	5/16	BISR250
10 AWG-350 kcmil	310 A	2	In-Line Splice Reducer	1	4.63	1.34	2.35	5/16	BISR350
6 AWG-500 kcmil	380 A	2	In-Line Splice Reducer	1	5.00	1.62	2.62	3/8	BISR500

Only 1 conductor per port allowed

UNITAP™ Clear Insulated Multi-Tap Connectors for Code Conductor

Clear Insulated In-Line Multi-Tap Connectors



Tap - Opposite Side Entry
Figure 2



Tap - Same Side Entry
Figure 3

Type BIT and BITO (Offset) Multi-Tap connectors are installed quickly and easily and are suitable for use on code conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C. The full UNITAP™ line features multiple configurations suitable for most any application.

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number
					L	W	H		
14 AWG-4 AWG	85 A	2	Tap - Opposite Side Entry	2	1.16	1.50	1.25	1/8	BITO4
14 AWG-4 AWG	85 A	2	Tap - Same Side Entry	3	1.16	1.16	1.25	1/8	BIT4
14 AWG-2/0 AWG	175 A	2	Tap - Opposite Side Entry	2	1.52	1.56	1.38	3/16	BITO2/0
14 AWG-2/0 AWG	175 A	2	Tap - Same Side Entry	3	1.52	1.40	1.38	3/16	BIT2/0
10 AWG-250 kcmil	255 A	2	Tap - Opposite Side Entry	2	2.03	2.64	2.13	5/16	BITO250
10 AWG-250 kcmil	255 A	2	Tap - Same Side Entry	3	2.03	2.07	2.13	5/16	BIT250
10 AWG-350 kcmil	310 A	2	Tap - Opposite Side Entry	2	2.22	3.00	2.50	5/16	BITO350
10 AWG-350 kcmil	310 A	2	Tap - Same Side Entry	3	2.22	2.32	2.50	5/16	BIT350
4 AWG-600 kcmil	420 A	2	Tap - Opposite Side Entry	2	2.72	3.00	2.75	3/8	BITO600
4 AWG-600 kcmil	420 A	2	Tap - Same Side Entry	3	2.72	2.38	2.75	3/8	BIT600
2 AWG-750 kcmil	475 A	2	Tap - Opposite Side Entry	2	2.87	3.38	3.00	3/8	BITO750 *
2 AWG-750 kcmil	475 A	2	Tap - Same Side Entry	3	2.87	2.70	3.00	3/8	BIT750 *

Only 1 conductor per port allowed

*Not UL Listed

UNITAP™ Clear Insulated Multi-Port Connectors for Code Conductor; Single-Sided Entry

Clear Insulated Multi-Port Connectors



Type BIBS Multi-Port, Single-Sided Tap connectors for quick, easy tap connections for code conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C. Featuring multiple configurations suitable for most any application.

Multiple Port Tap Single Sided Entry
Figure 4

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number
					L	W	H		
14 AWG-4 AWG	85 A	3	Multiple Port Tap Single Sided Entry	4	1.51	1.25	1.25	1/8	BIBS43
14 AWG-4 AWG	85 A	4	Multiple Port Tap Single Sided Entry	4	1.95	1.25	1.25	1/8	BIBS44
14 AWG-4 AWG	85 A	5	Multiple Port Tap Single Sided Entry	4	2.39	1.25	1.25	1/8	BIBS45
14 AWG-4 AWG	85 A	6	Multiple Port Tap Single Sided Entry	4	2.83	1.25	1.25	1/8	BIBS46
14 AWG-4 AWG	85 A	8	Multiple Port Tap Single Sided Entry	4	3.71	1.25	1.25	1/8	BIBS48
14 AWG-1/0 Str	175 A	3	Multiple Port Tap Single Sided Entry	4	2.19	1.31	1.38	3/16	BIBS2/03
14 AWG-1/0 Str	175 A	4	Multiple Port Tap Single Sided Entry	4	2.86	1.31	1.38	3/16	BIBS2/04
14 AWG-1/0 Str	175 A	5	Multiple Port Tap Single Sided Entry	4	3.53	1.31	1.38	3/16	BIBS2/05
14 AWG-1/0 Str	175 A	6	Multiple Port Tap Single Sided Entry	4	4.20	1.31	1.38	3/16	BIBS2/06
14 AWG-1/0 Str	175 A	8	Multiple Port Tap Single Sided Entry	4	5.55	1.31	1.38	3/16	BIBS2/08
14 AWG-1/0 Str	175 A	10	Multiple Port Tap Single Sided Entry	4	6.89	1.31	1.38	3/16	BIBS2/010
14 AWG-1/0 Str	175 A	12	Multiple Port Tap Single Sided Entry	4	8.24	1.31	1.38	3/16	BIBS2/012
14 AWG-1/0 Str	175 A	14	Multiple Port Tap Single Sided Entry	4	9.58	1.31	1.38	3/16	BIBS2/014
10 AWG-250 kcmil	255 A	3	Multiple Port Tap Single Sided Entry	4	2.97	2.07	2.13	5/16	BIBS2503
10 AWG-250 kcmil	255 A	4	Multiple Port Tap Single Sided Entry	4	3.91	2.07	2.13	5/16	BIBS2504
10 AWG-250 kcmil	255 A	5	Multiple Port Tap Single Sided Entry	4	4.84	2.07	2.13	5/16	BIBS2505
10 AWG-250 kcmil	255 A	6	Multiple Port Tap Single Sided Entry	4	5.78	2.07	2.13	5/16	BIBS2506
10 AWG-250 kcmil	255 A	8	Multiple Port Tap Single Sided Entry	4	7.66	2.07	2.13	5/16	BIBS2508
10 AWG-250 kcmil	255 A	10	Multiple Port Tap Single Sided Entry	4	9.53	2.07	2.13	5/16	BIBS25010
10 AWG-250 kcmil	255 A	12	Multiple Port Tap Single Sided Entry	4	11.41	2.07	2.13	5/16	BIBS25012
10 AWG-250 kcmil	255 A	14	Multiple Port Tap Single Sided Entry	4	13.29	2.07	2.13	5/16	BIBS25014
10 AWG-350 kcmil	310 A	3	Multiple Port Tap Single Sided Entry	4	3.13	2.32	2.50	5/16	BIBS3503
10 AWG-350 kcmil	310 A	4	Multiple Port Tap Single Sided Entry	4	4.04	2.32	2.50	5/16	BIBS3504
10 AWG-350 kcmil	310 A	5	Multiple Port Tap Single Sided Entry	4	4.95	2.32	2.50	5/16	BIBS3505
10 AWG-350 kcmil	310 A	6	Multiple Port Tap Single Sided Entry	4	5.86	2.32	2.50	5/16	BIBS3506
10 AWG-350 kcmil	310 A	8	Multiple Port Tap Single Sided Entry	4	7.68	2.32	2.50	5/16	BIBS3508
10 AWG-350 kcmil	310 A	10	Multiple Port Tap Single Sided Entry	4	9.5	2.32	2.50	5/16	BIBS35010
10 AWG-350 kcmil	310 A	12	Multiple Port Tap Single Sided Entry	4	11.32	2.32	2.50	5/16	BIBS35012
10 AWG-350 kcmil	310 A	14	Multiple Port Tap Single Sided Entry	4	13.14	2.32	2.50	5/16	BIBS35014

UNITAP™ (Continued)

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number
					L	W	H		
4 AWG-600 kcmil	420 A	3	Multiple Port Tap Single Sided Entry	4	4.00	2.38	2.75	3/8	BIBS6003
4 AWG-600 kcmil	420 A	4	Multiple Port Tap Single Sided Entry	4	5.28	2.38	2.75	3/8	BIBS6004
4 AWG-600 kcmil	420 A	5	Multiple Port Tap Single Sided Entry	4	6.56	2.38	2.75	3/8	BIBS6005
4 AWG-600 kcmil	420 A	6	Multiple Port Tap Single Sided Entry	4	7.84	2.38	2.75	3/8	BIBS6006
4 AWG-600 kcmil	420 A	8	Multiple Port Tap Single Sided Entry	4	10.41	2.38	2.75	3/8	BIBS6008
4 AWG-600 kcmil	420 A	10	Multiple Port Tap Single Sided Entry	4	12.97	2.38	2.75	3/8	BIBS60010
4 AWG-600 kcmil	420 A	12	Multiple Port Tap Single Sided Entry	4	15.53	2.38	2.75	3/8	BIBS60012
4 AWG-600 kcmil	420 A	14	Multiple Port Tap Single Sided Entry	4	18.09	2.38	2.75	3/8	BIBS60014
2 AWG-750 kcmil	475 A	3	Multiple Port Tap Single Sided Entry	4	4.00	2.70	3.00	3/8	BIBS7503*
2 AWG-750 kcmil	475 A	4	Multiple Port Tap Single Sided Entry	4	5.38	2.70	3.00	3/8	BIBS7504*
2 AWG-750 kcmil	475 A	6	Multiple Port Tap Single Sided Entry	4	8.13	2.70	3.00	3/8	BIBS7506*
2 AWG-750 kcmil	475 A	8	Multiple Port Tap Single Sided Entry	4	10.88	2.70	3.00	3/8	BIBS7508*
2 AWG-750 kcmil	475 A	10	Multiple Port Tap Single Sided Entry	4	13.63	2.70	3.00	3/8	BIBS75010*
2 AWG-750 kcmil	475 A	12	Multiple Port Tap Single Sided Entry	4	16.38	2.70	3.00	3/8	BIBS75012*
2 AWG-750 kcmil	475 A	14	Multiple Port Tap Single Sided Entry	4	19.13	2.70	3.00	3/8	BIBS75014*

Only 1 conductor per port allowed

*Not UL Listed

UNITAP™ Clear Insulated Multi-Port Connectors for Code Conductor; Double-Sided Entry

Clear Insulated Multiple Tap Connectors



Type BIBD Multi-Port, Double-Sided Tap connectors for quick, easy tap connections for code conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C. Featuring multiple configurations suitable for most any application.

Multiple Port Tap Double Sided Entry
Figure 5

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number
					L	W	H		
14 AWG-4 Str	85 A	2	Multiple Port Tap Double Sided Entry	5	1.08	1.50	1.25	1/8	BIBD42
14 AWG-4 Str	85 A	3	Multiple Port Tap Double Sided Entry	5	1.51	1.50	1.25	1/8	BIBD43
14 AWG-4 Str	85 A	4	Multiple Port Tap Double Sided Entry	5	1.95	1.50	1.25	1/8	BIBD44
14 AWG-4 Str	85 A	5	Multiple Port Tap Double Sided Entry	5	2.39	1.50	1.25	1/8	BIBD45
14 AWG-4 Str	85 A	6	Multiple Port Tap Double Sided Entry	5	2.83	1.50	1.25	1/8	BIBD46
14 AWG-4 Str	85 A	8	Multiple Port Tap Double Sided Entry	5	3.71	1.50	1.25	1/8	BIBD48
14 AWG-1/0 Str	175 A	2	Multiple Port Tap Double Sided Entry	5	1.52	1.56	1.38	3/16	BIBD2/02
14 AWG-1/0 Str	175 A	3	Multiple Port Tap Double Sided Entry	5	2.19	1.56	1.38	3/16	BIBD2/03
14 AWG-1/0 Str	175 A	4	Multiple Port Tap Double Sided Entry	5	2.86	1.56	1.38	3/16	BIBD2/04
14 AWG-1/0 Str	175 A	5	Multiple Port Tap Double Sided Entry	5	3.53	1.56	1.38	3/16	BIBD2/05
14 AWG-1/0 Str	175 A	6	Multiple Port Tap Double Sided Entry	5	4.20	1.56	1.38	3/16	BIBD2/06
14 AWG-1/0 Str	175 A	8	Multiple Port Tap Double Sided Entry	5	5.55	1.56	1.38	3/16	BIBD2/08
14 AWG-1/0 Str	175 A	10	Multiple Port Tap Double Sided Entry	5	6.89	1.56	1.38	3/16	BIBD2/010
14 AWG-1/0 Str	175 A	12	Multiple Port Tap Double Sided Entry	5	8.24	1.56	1.38	3/16	BIBD2/012
14 AWG-1/0 Str	175 A	14	Multiple Port Tap Double Sided Entry	5	9.58	1.56	1.38	3/16	BIBD2/014
10 AWG-250 kcmil	255 A	2	Multiple Port Tap Double Sided Entry	5	2.03	2.64	2.13	5/16	BIBD2502
10 AWG-250 kcmil	255 A	3	Multiple Port Tap Double Sided Entry	5	2.97	2.64	2.13	5/16	BIBD2503
10 AWG-250 kcmil	255 A	4	Multiple Port Tap Double Sided Entry	5	3.91	2.64	2.13	5/16	BIBD2504
10 AWG-250 kcmil	255 A	5	Multiple Port Tap Double Sided Entry	5	4.84	2.64	2.13	5/16	BIBD2505
10 AWG-250 kcmil	255 A	6	Multiple Port Tap Double Sided Entry	5	5.78	2.64	2.13	5/16	BIBD2506
10 AWG-250 kcmil	255 A	8	Multiple Port Tap Double Sided Entry	5	7.66	2.64	2.13	5/16	BIBD2508
10 AWG-250 kcmil	255 A	10	Multiple Port Tap Double Sided Entry	5	9.53	2.64	2.13	5/16	BIBD25010
10 AWG-250 kcmil	255 A	12	Multiple Port Tap Double Sided Entry	5	11.41	2.64	2.13	5/16	BIBD25012
10 AWG-250 kcmil	255 A	14	Multiple Port Tap Double Sided Entry	5	13.29	2.64	2.13	5/16	BIBD25014

UNITAP™ (Continued)

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number
					L	W	H		
10 AWG-350 kcmil	310 A	2	Multiple Port Tap Double Sided Entry	5	2.22	3.00	2.50	5/16	BIBD3502
10 AWG-350 kcmil	310 A	3	Multiple Port Tap Double Sided Entry	5	3.13	3.00	2.50	5/16	BIBD3503
10 AWG-350 kcmil	310 A	4	Multiple Port Tap Double Sided Entry	5	4.04	3.00	2.50	5/16	BIBD3504
10 AWG-350 kcmil	310 A	5	Multiple Port Tap Double Sided Entry	5	4.95	3.00	2.50	5/16	BIBD3505
10 AWG-350 kcmil	310 A	6	Multiple Port Tap Double Sided Entry	5	5.86	3.00	2.50	5/16	BIBD3506
10 AWG-350 kcmil	310 A	8	Multiple Port Tap Double Sided Entry	5	7.68	3.00	2.50	5/16	BIBD3508
10 AWG-350 kcmil	310 A	10	Multiple Port Tap Double Sided Entry	5	9.5	3.00	2.50	5/16	BIBD35010
10 AWG-350 kcmil	310 A	12	Multiple Port Tap Double Sided Entry	5	11.32	3.00	2.50	5/16	BIBD35012
10 AWG-350 kcmil	310 A	14	Multiple Port Tap Double Sided Entry	5	13.14	3.00	2.50	5/16	BIBD35014
4 AWG-600 kcmil	420 A	2	Multiple Port Tap Double Sided Entry	5	2.56	3.00	2.75	3/8	BIBD6002
4 AWG-600 kcmil	420 A	3	Multiple Port Tap Double Sided Entry	5	3.77	3.00	2.75	3/8	BIBD6003
4 AWG-600 kcmil	420 A	4	Multiple Port Tap Double Sided Entry	5	4.97	3.00	2.75	3/8	BIBD6004
4 AWG-600 kcmil	420 A	5	Multiple Port Tap Double Sided Entry	5	6.17	3.00	2.75	3/8	BIBD6005
4 AWG-600 kcmil	420 A	6	Multiple Port Tap Double Sided Entry	5	7.37	3.00	2.75	3/8	BIBD6006
4 AWG-600 kcmil	420 A	8	Multiple Port Tap Double Sided Entry	5	9.78	3.00	2.75	3/8	BIBD6008
4 AWG-600 kcmil	420 A	10	Multiple Port Tap Double Sided Entry	5	12.97	3.00	2.75	3/8	BIBD60010
4 AWG-600 kcmil	420 A	12	Multiple Port Tap Double Sided Entry	5	15.53	3.00	2.75	3/8	BIBD60012
4 AWG-600 kcmil	420 A	14	Multiple Port Tap Double Sided Entry	5	18.09	3.00	2.75	3/8	BIBD60014
2 AWG-750 kcmil	475 A	2	Multiple Port Tap Double Sided Entry	5	2.87	3.38	3.00	3/8	BIBD7502*
2 AWG-750 kcmil	475 A	3	Multiple Port Tap Double Sided Entry	5	4.25	3.38	3.00	3/8	BIBD7503*
2 AWG-750 kcmil	475 A	4	Multiple Port Tap Double Sided Entry	5	5.63	3.38	3.00	3/8	BIBD7504*
2 AWG-750 kcmil	475 A	6	Multiple Port Tap Double Sided Entry	5	8.37	3.38	3.00	3/8	BIBD7506*
2 AWG-750 kcmil	475 A	8	Multiple Port Tap Double Sided Entry	5	11.13	3.38	3.00	3/8	BIBD7508*
2 AWG-750 kcmil	475 A	10	Multiple Port Tap Double Sided Entry	5	13.87	3.38	3.00	3/8	BIBD75010*
2 AWG-750 kcmil	475 A	12	Multiple Port Tap Double Sided Entry	5	16.63	3.38	3.00	3/8	BIBD75012*
2 AWG-750 kcmil	475 A	14	Multiple Port Tap Double Sided Entry	5	19.37	3.38	3.00	3/8	BIBD75014*

Only 1 conductor per port allowed
*Not UL Listed

UNITAP™ Clear Insulated Multi-Port Connectors for Code Conductor; Mountable; Single-Sided Entry

Clear Insulated Multiple Tap Connectors

Type BIBS-MT Multi-Port, Single-Sided Tap connectors offer the same features as the standard Type BIBS UNITAP™ connectors except these -MT types are provided with two isolated mounting holes, one at each side of the connector for direct mounting to trough, gutter, or wireway. They will accommodate up to standard 1/4" hardware. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C.



Multiple Port Mounted Tap
Single Sided Entry
Figure 6



Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number
					L	W	H		
14 AWG-1/0 Str	175 A	4	Multiple Port Mountable Tap Single Sided Entry	6	4.20	1.25	1.50	3/16	BIBS2/04MT
14 AWG-1/0 Str	175 A	6	Multiple Port Mountable Tap Single Sided Entry	6	5.54	1.25	1.50	3/16	BIBS2/06MT
14 AWG-2/0 Str	175 A	8	Multiple Port Mountable Tap Single Sided Entry	6	6.89	1.25	1.50	3/16	BIBS2/08MT
14 AWG-2/0 Str	175 A	10	Multiple Port Mountable Tap Single Sided Entry	6	8.23	1.25	1.50	3/16	BIBS2/010MT
14 AWG-2/0 Str	175 A	12	Multiple Port Mountable Tap Single Sided Entry	6	9.58	1.25	1.50	3/16	BIBS2/012MT
10 AWG-250 kcmil	255 A	4	Multiple Port Mountable Tap Single Sided Entry	6	5.78	1.95	2.63	5/16	BIBS2504MT
10 AWG-250 kcmil	255 A	6	Multiple Port Mountable Tap Single Sided Entry	6	7.65	1.95	2.63	5/16	BIBS2506MT
10 AWG-250 kcmil	255 A	8	Multiple Port Mountable Tap Single Sided Entry	6	9.53	1.95	2.63	5/16	BIBS2508MT
10 AWG-250 kcmil	255 A	10	Multiple Port Mountable Tap Single Sided Entry	6	11.41	1.95	2.63	5/16	BIBS25010MT
10 AWG-250 kcmil	255 A	12	Multiple Port Mountable Tap Single Sided Entry	6	13.28	1.95	2.63	5/16	BIBS25012MT
10 AWG-350 kcmil	310 A	4	Multiple Port Mountable Tap Single Sided Entry	6	5.86	2.19	2.63	5/16	BIBS3504MT
10 AWG-350 kcmil	310 A	6	Multiple Port Mountable Tap Single Sided Entry	6	7.68	2.19	2.63	5/16	BIBS3506MT
10 AWG-350 kcmil	310 A	8	Multiple Port Mountable Tap Single Sided Entry	6	9.50	2.19	2.63	5/16	BIBS3508MT
10 AWG-350 kcmil	310 A	10	Multiple Port Mountable Tap Single Sided Entry	6	11.32	2.19	2.63	5/16	BIBS35010MT
10 AWG-350 kcmil	310 A	12	Multiple Port Mountable Tap Single Sided Entry	6	13.41	2.19	2.63	5/16	BIBS35012MT
4 AWG-600 kcmil	420 A	4	Multiple Port Mountable Tap Single Sided Entry	6	7.84	2.25	2.88	3/8	BIBS6004MT
4 AWG-600 kcmil	420 A	6	Multiple Port Mountable Tap Single Sided Entry	6	10.41	2.25	2.88	3/8	BIBS6006MT
4 AWG-600 kcmil	420 A	8	Multiple Port Mountable Tap Single Sided Entry	6	12.97	2.25	2.88	3/8	BIBS6008MT
4 AWG-600 kcmil	420 A	10	Multiple Port Mountable Tap Single Sided Entry	6	15.53	2.25	2.88	3/8	BIBS60010MT
4 AWG-600 kcmil	420 A	12	Multiple Port Mountable Tap Single Sided Entry	6	18.09	2.25	2.88	3/8	BIBS60012MT

Only 1 conductor per port allowed

UNITAP™ Clear Insulated Multi-Tap Connectors for Code Conductor; Mountable; Double-Sided Entry

Clear Insulated Multiple Tap Connectors

Type BIBD-MT Multi-Port, Double-Sided Tap connectors offer the same features as the standard Type BIBD UNITAP™ connectors except these -MT types are provided with two isolated mounting holes, one at each side of the connector for direct mounting to trough, gutter, or wireway. They will accommodate up to standard 1/4" hardware. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C.



Multiple Port Mounted Tap
Double Sided Entry
Figure 7



Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number
					L	W	H		
14 AWG-2/0 AWG	175 A	4	Multiple Port Mountable Tap Double Sided Entry	7	4.20	1.56	1.50	3/16	BIBD2/04MT
14 AWG-2/0 AWG	175 A	6	Multiple Port Mountable Tap Double Sided Entry	7	5.54	1.56	1.50	3/16	BIBD2/06MT
14 AWG-2/0 AWG	175 A	8	Multiple Port Mountable Tap Double Sided Entry	7	6.89	1.56	1.50	3/16	BIBD2/08MT
14 AWG-2/0 AWG	175 A	10	Multiple Port Mountable Tap Double Sided Entry	7	8.23	1.56	1.50	3/16	BIBD2/010MT
14 AWG-2/0 AWG	175 A	12	Multiple Port Mountable Tap Double Sided Entry	7	9.58	1.56	1.50	3/16	BIBD2/012MT
10 AWG-250 kcmil	255 A	4	Multiple Port Mountable Tap Double Sided Entry	7	5.78	2.64	2.26	5/16	BIBD2504MT
10 AWG-250 kcmil	255 A	6	Multiple Port Mountable Tap Double Sided Entry	7	7.65	2.64	2.26	5/16	BIBD2506MT
10 AWG-250 kcmil	255 A	8	Multiple Port Mountable Tap Double Sided Entry	7	9.53	2.64	2.26	5/16	BIBD2508MT
10 AWG-250 kcmil	255 A	10	Multiple Port Mountable Tap Double Sided Entry	7	11.41	2.64	2.26	5/16	BIBD25010MT
10 AWG-250 kcmil	255 A	12	Multiple Port Mountable Tap Double Sided Entry	7	13.28	2.64	2.26	5/16	BIBD25012MT
10 AWG-350 kcmil	310 A	4	Multiple Port Mountable Tap Double Sided Entry	7	5.86	3.00	2.63	5/16	BIBD3504MT
10 AWG-350 kcmil	310 A	6	Multiple Port Mountable Tap Double Sided Entry	7	7.68	3.00	2.63	5/16	BIBD3506MT
10 AWG-350 kcmil	310 A	8	Multiple Port Mountable Tap Double Sided Entry	7	9.5	3.00	2.63	5/16	BIBD3508MT
10 AWG-350 kcmil	310 A	10	Multiple Port Mountable Tap Double Sided Entry	7	11.32	3.00	2.63	5/16	BIBD35010MT
10 AWG-350 kcmil	310 A	12	Multiple Port Mountable Tap Double Sided Entry	7	13.41	3.00	2.63	5/16	BIBD35012MT
4 AWG-600 kcmil	420 A	4	Multiple Port Mountable Tap Double Sided Entry	7	7.84	3	2.88	3/8	BIBD6004MT
4 AWG-600 kcmil	420 A	6	Multiple Port Mountable Tap Double Sided Entry	7	10.41	3	2.88	3/8	BIBD6006MT
4 AWG-600 kcmil	420 A	8	Multiple Port Mountable Tap Double Sided Entry	7	12.97	3	2.88	3/8	BIBD6008MT
4 AWG-600 kcmil	420 A	10	Multiple Port Mountable Tap Double Sided Entry	7	15.53	3	2.88	3/8	BIBD60010MT
4 AWG-600 kcmil	420 A	12	Multiple Port Mountable Tap Double Sided Entry	7	18.09	3	2.88	3/8	BIBD60012MT

Only 1 conductor per port allowed

UNITAP™ Clear Insulated Multi-Tap Connectors for Code and Flex Conductors



UL Listed 486A-486B

UNITAP™ Clear Insulated Multi-Tap is UL Listed to the UL Wire Connector Standard UL486A-486B and CSA Certified for use with flexible (fine stranded) conductor - with no ferrules required! Featuring color coordinated conductor port and screw port caps making it easy to identify the maximum conductor size accommodated by the connector.

A disc-pad screw has also been incorporated to prevent damage to the fine strands as the conductor is compressed during installation. The connectors are shipped with the 'pad' attached to the screw by a thin stem; during installation the pad is sheared from the stem as it makes contact with the conductor and remains stationary as the screw continues to rotate until the recommended installation torque is achieved.

The color coordinated conductor port caps display the wire range and classes of conductor accepted by the specific connector. The screw port caps show the installation torque information for quick and easy reference during installation. (Excluding the Heavy Duty 750 Series.)

The Heavy Duty 750 Series features two screws per conductor. Conductors cannot be installed from opposite sides of the same port using only one screw per conductor.



Features & Benefits

- 600 Volt Rated
- Fully Insulated Aluminum 6061-T6 connector body saves time and lowers installation costs by eliminating the need for taping
- Listed to UL486A-B (File E9498)
- CSA Certified to C22.2, No. 65 (File 042860_c_00)
- Rated for use with flex conductor (No Ferrules Required!)
- AL9CU dual rated for use with copper and aluminum conductors
- Range taking designs will accommodate wire sizes from #14-750 kcmil Class B & C, and #14-777 DLO Flex
- Configurations include Taps, In-Line Splice Reducers, Single-Sided Entry, and Double-Sided Entry with the number of ports from 2 to 14
- Clear Plasticsol Insulation allows visual confirmation that conductor is properly inserted into port
- Operating temperature from -40°C to 135°C
- Conductor ports are pre-filled with oxide inhibitor
- Screw Port and Conductor Port caps provided to protect against contamination and accidental contact of energized parts
- Caps are color coordinated to quickly identify maximum conductor size accommodated
- Screw Port caps contain recommended installation torque values for quick and easy reference
- Conductor Port caps contain the accommodated wire range and allowable conductor classes



Figure 1

In-Line Splice Reducer
(BISR1/0FX)



Figure 2

Tap - Opposite Side
Entry
(BITO2/0FX)



Figure 4

Multiple Port Tap
Single Sided Entry
(BIBS2/03FX)



Figure 6

Multiple Port
Mounted Tap
Single Sided Entry
(BIBS2504FXMT)



Figure 3

Tap - Same Side Entry
(BIT4FX)



Figure 5

Multiple Port Tap
Double Sided Entry
(BIBD2503FX)



Figure 7

Multiple Port
Mounted Tap
Double Sided Entry
(BIBD6004FXMT)

UNITAP™ Clear Insulated In-Line Splice/Reducer
 Connectors for Code and Flex Conductor

Clear Insulated In-Line Splice/Reducer Connectors



In-Line Splice Reducer
 Figure 1
 (BISR1/0FX)

Type BISR-FX in-line splice/reductions are made quickly and easily with the UNITAP™ line of clear insulated connectors for code and flex conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C. The UNITAP™ line for code and flex conductor features color-coordinated conductor port caps that display the wire range and classes of conductor accepted by the specific connector. The screw port caps show the installation torque information for quick and easy reference during installation.

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Cap Color
					Length	Width	Height			
#14-#2 Class B & C #14-#2 Class G,H,I,K, DLO	130 A	2	In-Line Splice Reducer	1	2.38	0.75	1.22	5/32	BISR2FX	Brown
#14-1/0 Class B & C #14-#1 Class G,H,I,K, DLO	170 A	2	In-Line Splice Reducer	1	2.91	0.75	1.22	3/16	BISR1/0FX	Pink
#10-250 Class B & C #10-3/0 Class G,H,I,K, DLO	290 A	2	In-Line Splice Reducer	1	4.01	1.19	2.10	5/16	BISR250FX	Yellow
#10-350 Class B & C #10-250 Class G,H,I,K, DLO	350 A	2	In-Line Splice Reducer	1	4.63	1.34	2.35	5/16	BISR350FX	Red
#6-500 Class B & C #6-373 Class G,H,I,K, DLO	430 A	2	In-Line Splice Reducer	1	5.00	1.62	2.62	3/8	BISR500FX	Brown
* 1/0-750 Class B & C 1/0-777 Class G,H,I,K, DLO	475 A	2	In-Line Splice Reducer	1	5.89	2.00	3.88	5/16	BISR750HDFX	Red

* Heavy Duty Series: two screws per conductor; conductors cannot be installed from opposite sides of the same port using only one screw per conductor.

UNITAP™ Clear Insulated Multi-Tap Connectors for Code Conductor

Clear Insulated In-Line Multi-Tap Connectors

Type BIT-FX and BITO-FX (Offset) Multi-Tap connectors are installed quickly and easily and are suitable for use on flex and code conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C.



Tap - Opposite Side Entry
Figure 2
(BITO2/0FX)



Tap - Same Side Entry
Figure 3
(BIT4FX)

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Cap Color
					Length	Width	Height			
#14-#4 Class B & C #14-#6 Class G,H,I,K, DLO	95 A	2	Tap - Opposite Side Entry	2	1.08	1.50	1.25	1/8	BITO4FX	Brown
			Tap - Same Side Entry	3	1.08	1.16	1.25	1/8	BIT4FX	
#14-2/0 Class B & C #14-#1 Class G,H,I,K, DLO	195 A	2	Tap - Opposite Side Entry	2	1.52	1.56	1.38	3/16	BITO2/0FX	Black
			Tap - Same Side Entry	3	1.52	1.40	1.38	3/16	BIT2/0FX	
#10-250 Class B & C #10-3/0 Class G,H,I,K, DLO	290 A	2	Tap - Opposite Side Entry	2	2.03	2.64	2.13	5/16	BITO250FX	Yellow
			Tap - Same Side Entry	3	2.03	2.07	2.13	5/16	BIT250FX	
#10-350 Class B & C #10-250 Class G,H,I,K, DLO	350 A	2	Tap - Opposite Side Entry	2	2.22	3.00	2.50	5/16	BITO350FX	Red
			Tap - Same Side Entry	3	2.22	2.32	2.50	5/16	BIT350FX	
#4-600 Class B & C #4-373 Class G,H,I,K, DLO	475 A	2	Tap - Opposite Side Entry	2	2.72	3.00	2.75	3/8	BITO600FX	Green
			Tap - Same Side Entry	3	2.72	2.38	2.75	3/8	BIT600FX	
* 1/0-750 Class B & C 1/0-777 Class G,H,I,K, DLO	475 A	2	Tap - Opposite Side Entry	2	3.75	3.25	3.88	5/16	BITO750HDFX	Red
			Tap - Same Side Entry	3	3.75	3.25	3.88	5/16	BIT750HDFX	

* Heavy Duty Series: two screws per conductor; conductors cannot be installed from opposite sides of the same port using only one screw per conductor.

UNITAP™ Clear Insulated Multi-Port Connectors for Code and Flex Conductor; Single-Sided Entry

Clear Insulated Multi-Port Connectors

Type BIBS-FX Multi-Port, Single-Sided Tap connectors for quick, easy tap connections for code and flex conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C. The UNITAP™ line for code and flex conductor features color-coordinated conductor port caps that display the wire range and classes of conductor accepted by the specific connector. The screw port caps show the installation torque information for quick and easy reference during installation.



Multiple Port Tap Single Sided Entry
Figure 4
(BIBS2/03FX)

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Cap Color
					Length	Width	Height			
#14-#4 Class B & C #14-#6 Class G,H,I,K, DLO	95 A	3	Single Sided Entry	4	1.51	1.16	1.25	1/8	BIBS43FX	Brown
		4	Single Sided Entry	4	1.95	1.16	1.25	1/8	BIBS44FX	
		5	Single Sided Entry	4	2.39	1.16	1.25	1/8	BIBS45FX	
		6	Single Sided Entry	4	2.83	1.16	1.25	1/8	BIBS46FX	
		8	Single Sided Entry	4	3.71	1.16	1.25	1/8	BIBS48FX	
#14-2/0 Class B & C #14-#1 Class G,H,I,K, DLO	195 A	3	Single Sided Entry	4	2.19	1.31	1.38	3/16	BIBS2/03FX	Black
		4	Single Sided Entry	4	2.86	1.31	1.38	3/16	BIBS2/04FX	
		5	Single Sided Entry	4	3.53	1.31	1.38	3/16	BIBS2/05FX	
		6	Single Sided Entry	4	4.20	1.31	1.38	3/16	BIBS2/06FX	
		8	Single Sided Entry	4	5.55	1.31	1.38	3/16	BIBS2/08FX	
		10	Single Sided Entry	4	6.89	1.31	1.38	3/16	BIBS2/010FX	
		12	Single Sided Entry	4	8.24	1.31	1.38	3/16	BIBS2/012FX	
		14	Single Sided Entry	4	9.58	1.31	1.38	3/16	BIBS2/014FX	
#10-250 Class B & C #10-3/0 Class G,H,I,K, DLO	290 A	3	Single Sided Entry	4	2.97	2.07	2.13	5/16	BIBS2503FX	Yellow
		4	Single Sided Entry	4	3.91	2.07	2.13	5/16	BIBS2504FX	
		5	Single Sided Entry	4	4.84	2.07	2.13	5/16	BIBS2505FX	
		6	Single Sided Entry	4	5.78	2.07	2.13	5/16	BIBS2506FX	
		8	Single Sided Entry	4	7.66	2.07	2.13	5/16	BIBS2508FX	
		10	Single Sided Entry	4	9.53	2.07	2.13	5/16	BIBS25010FX	
		12	Single Sided Entry	4	11.41	2.07	2.13	5/16	BIBS25012FX	
		14	Single Sided Entry	4	13.29	2.07	2.13	5/16	BIBS25014FX	
#10-350 Class B & C #10-250 Class G,H,I,K, DLO	350 A	3	Single Sided Entry	4	3.13	2.32	2.50	5/16	BIBS3503FX	Red
		4	Single Sided Entry	4	4.04	2.32	2.50	5/16	BIBS3504FX	
		5	Single Sided Entry	4	4.95	2.32	2.50	5/16	BIBS3505FX	
		6	Single Sided Entry	4	5.86	2.32	2.50	5/16	BIBS3506FX	
		8	Single Sided Entry	4	7.68	2.32	2.50	5/16	BIBS3508FX	
		10	Single Sided Entry	4	9.50	2.32	2.50	5/16	BIBS35010FX	
		12	Single Sided Entry	4	11.32	2.32	2.50	5/16	BIBS35012FX	
		14	Single Sided Entry	4	13.14	2.32	2.50	5/16	BIBS35014FX	

UNITAP™ (Continued)

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Cap Color
					Length	Width	Height			
#4-600 Class B & C #4-373 Class G,H,I,K, DLO	475 A	3	Single Sided Entry	4	4.00	2.38	2.75	3/8	BIBS6003FX	Green
		4	Single Sided Entry	4	5.28	2.38	2.75	3/8	BIBS6004FX	
		5	Single Sided Entry	4	6.56	2.38	2.75	3/8	BIBS6005FX	
		6	Single Sided Entry	4	7.84	2.38	2.75	3/8	BIBS6006FX	
		8	Single Sided Entry	4	10.41	2.38	2.75	3/8	BIBS6008FX	
		10	Single Sided Entry	4	12.97	2.38	2.75	3/8	BIBS60010FX	
		12	Single Sided Entry	4	15.53	2.38	2.75	3/8	BIBS60012FX	
		14	Single Sided Entry	4	18.09	2.38	2.75	3/8	BIBS60014FX	
* 1/0-750 Class B & C 1/0-777 Class G,H,I,K, DLO	475 A	3	Single Sided Entry	4	5.50	3.25	3.88	5/16	BIBS7503HDFX	Red
		4	Single Sided Entry	4	7.25	3.25	3.88	5/16	BIBS7504HDFX	
		6	Single Sided Entry	4	10.75	3.25	3.88	5/16	BIBS7506HDFX	
		8	Single Sided Entry	4	14.25	3.25	3.88	5/16	BIBS7508HDFX	
		10	Single Sided Entry	4	17.75	3.25	3.88	5/16	BIBS75010HDFX	
		12	Single Sided Entry	4	21.25	3.25	3.88	5/16	BIBS75012HDFX	
				14	Single Sided Entry	4	24.75	3.25	3.88		5/16	BIBS75014HDFX

* Heavy Duty Series: two screws per conductor; conductors cannot be installed from opposite sides of the same port using only one screw per conductor.

UNITAP™ Clear Insulated Multi-Port Connectors
for Code and Flex Conductor; Double-Sided Entry

Clear Insulated Multi-Port Connectors



Multiple Port Tap Double Sided Entry
Figure 5
(BIBD2503FX)

Type BIBD-FX Multi-Port, Double-Sided Tap connectors for quick, easy tap connections for code and flex conductor. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C. The UNITAP™ line for code and flex conductor features color-coordinated conductor port caps that display the wire range and classes of conductor accepted by the specific connector. The screw port caps show the installation torque information for quick and easy reference during installation.

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Cap Color
					Length	Width	Height			
#14-#4 Class B & C #14-#6 Class G,H,I,K, DLO	95 A	2	Double Sided Entry	5	1.08	1.50	1.25	1/8	BIBD42FX	Brown
		3	Double Sided Entry	5	1.51	1.50	1.25	1/8	BIBD43FX	
		4	Double Sided Entry	5	1.95	1.50	1.25	1/8	BIBD44FX	
		5	Double Sided Entry	5	2.39	1.50	1.25	1/8	BIBD45FX	
		6	Double Sided Entry	5	2.83	1.50	1.25	1/8	BIBD46FX	
		8	Double Sided Entry	5	3.71	1.50	1.25	1/8	BIBD48FX	
#10-250 Class B & C #10-3/0 Class G,H,I,K, DLO	290 A	2	Double Sided Entry	5	2.03	2.64	2.13	5/16	BIBD2502FX	Yellow
		3	Double Sided Entry	5	2.97	2.64	2.13	5/16	BIBD2503FX	
		4	Double Sided Entry	5	3.91	2.64	2.13	5/16	BIBD2504FX	
		5	Double Sided Entry	5	4.84	2.64	2.13	5/16	BIBD2505FX	
		6	Double Sided Entry	5	5.78	2.64	2.13	5/16	BIBD2506FX	
		8	Double Sided Entry	5	7.66	2.64	2.13	5/16	BIBD2508FX	
		10	Double Sided Entry	5	9.53	2.64	2.13	5/16	BIBD25010FX	
		12	Double Sided Entry	5	11.41	2.64	2.13	5/16	BIBD25012FX	
#10-350 Class B & C #10-250 Class G,H,I,K, DLO	350 A	2	Double Sided Entry	5	3.13	3.00	2.50	5/16	BIBD3502FX	Red
		3	Double Sided Entry	5	4.04	3.00	2.50	5/16	BIBD3503FX	
		4	Double Sided Entry	5	4.95	3.00	2.50	5/16	BIBD3504FX	
		5	Double Sided Entry	5	5.86	3.00	2.50	5/16	BIBD3505FX	
		6	Double Sided Entry	5	7.68	3.00	2.50	5/16	BIBD3506FX	
		8	Double Sided Entry	5	9.50	3.00	2.50	5/16	BIBD3508FX	
		10	Double Sided Entry	5	11.32	3.00	2.50	5/16	BIBD35010FX	
		12	Double Sided Entry	5	13.14	3.00	2.50	5/16	BIBD35012FX	

UNITAP™ (Continued)

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Cap Color
					Length	Width	Height			
#4-600 Class B & C #4-373 Class G,H,I,K, DLO	475 A	2	Double Sided Entry	5	2.72	3.00	2.75	3/8	BIBD6002FX	Green
		3	Double Sided Entry	5	4.00	3.00	2.75	3/8	BIBD6003FX	
		4	Double Sided Entry	5	5.28	3.00	2.75	3/8	BIBD6004FX	
		5	Double Sided Entry	5	6.56	3.00	2.75	3/8	BIBD6005FX	
		6	Double Sided Entry	5	7.84	3.00	2.75	3/8	BIBD6006FX	
		8	Double Sided Entry	5	10.41	3.00	2.75	3/8	BIBD6008FX	
		10	Double Sided Entry	5	12.97	3.00	2.75	3/8	BIBD60010FX	
		12	Double Sided Entry	5	15.53	3.00	2.75	3/8	BIBD60012FX	
		14	Double Sided Entry	5	18.09	3.00	2.75	3/8	BIBD60014FX	
* 1/0-750 Class B & C 1/0-777 Class G,H,I,K, DLO	475 A	2	Double Sided Entry	5	3.75	3.25	3.88	5/16	BIBD7502HDFX	Red
		3	Double Sided Entry	5	5.50	3.25	3.88	5/16	BIBD7503HDFX	
		4	Double Sided Entry	5	7.25	3.25	3.88	5/16	BIBD7504HDFX	
		6	Double Sided Entry	5	10.75	3.25	3.88	5/16	BIBD7506HDFX	
		8	Double Sided Entry	5	14.25	3.25	3.88	5/16	BIBD7508HDFX	
		10	Double Sided Entry	5	17.75	3.25	3.88	5/16	BIBD75010HDFX	
		12	Double Sided Entry	5	21.25	3.25	3.88	5/16	BIBD75012HDFX	
		14	Double Sided Entry	5	24.75	3.25	3.88	5/16	BIBD75014HDFX	

* Heavy Duty Series: two screws per conductor; conductors cannot be installed from opposite sides of the same port using only one screw per conductor.

UNITAP™ Clear Insulated Multi-Port Connectors
for Code and Flex Conductor;
Mountable; Single-Sided Entry

Clear Insulated Multiple Tap Connectors



Multiple Port Mounted Tap
Single Sided Entry
Figure 6
(BIBS2504FXMT)

Type BIBS-FXMT Multi-Port, Single-Sided Tap connectors offer the same features as the standard Type BIBS-FX UNITAP™ connectors except these -FXMT types are provided with two isolated mounting holes, one at each side of the connector for direct mounting to trough, gutter, or wireway. They will accommodate up to standard 1/4" hardware. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C.

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Cap Color
					Length	Width	Height			
#14-2/0 Class B & C #14-#1 Class G,H,I,K, DLO	195 A	4	Mountable Single Sided Entry	6	4.20	1.25	1.50	3/16	BIBS2/04FXMT	Black
		6	Mountable Single Sided Entry	6	5.55	1.25	1.50	3/16		
		8	Mountable Single Sided Entry	6	6.89	1.25	1.50	3/16		
		10	Mountable Single Sided Entry	6	8.24	1.25	1.50	3/16		
		12	Mountable Single Sided Entry	6	9.58	1.25	1.50	3/16		
#10-250 Class B & C #10-3/0 Class G,H,I,K, DLO	290 A	4	Mountable Single Sided Entry	6	5.78	1.95	2.63	5/16	BIBS2504FXMT	Yellow
		6	Mountable Single Sided Entry	6	7.65	1.95	2.63	5/16		
		8	Mountable Single Sided Entry	6	9.53	1.95	2.63	5/16		
		10	Mountable Single Sided Entry	6	11.41	1.95	2.63	5/16		
		12	Mountable Single Sided Entry	6	13.29	1.95	2.63	5/16		
#10-350 Class B & C #10-250 Class G,H,I,K, DLO	350 A	4	Mountable Single Sided Entry	6	5.86	2.32	2.63	5/16	BIBS3504FXMT	Red
		6	Mountable Single Sided Entry	6	7.68	2.32	2.63	5/16		
		8	Mountable Single Sided Entry	6	9.50	2.32	2.63	5/16		
		10	Mountable Single Sided Entry	6	11.32	2.32	2.63	5/16		
		12	Mountable Single Sided Entry	6	13.14	2.32	2.63	5/16		
#4-600 Class B & C #4-373 Class G,H,I,K, DLO	475 A	4	Mountable Single Sided Entry	6	5.53	2.25	2.88	3/8	BIBS6004FXMT	Green
		6	Mountable Single Sided Entry	6	7.40	2.25	2.88	3/8		
		8	Mountable Single Sided Entry	6	9.28	2.25	2.88	3/8		
		12	Mountable Single Sided Entry	6	13.03	2.25	2.88	3/8		

UNITAP™ Clear Insulated Multi-Port Connectors for Code and Flex Conductor; Mountable; Double-Sided Entry

Clear Insulated Multiple Tap Connectors



Multiple Port Mounted Tap
Double Sided Entry
Figure 7
(BIBD6004FXMT)

Type BIBD-FXMT Multi-Port, Double-Sided Tap connectors offer the same features as the standard Type BIBD-FX UNITAP™ connectors except these -FXMT types are provided with two isolated mounting holes, one at each side of the connector for direct mounting to trough, gutter, or wireway. They will accommodate up to standard 1/4" hardware. UL486B Listed. Dual-rated AL9CU for any stranded copper or stranded aluminum applications. 600 Volt, 90° C.

Wire Range (AWG/kcmil)	Amp Rating	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Cap Color
					Length	Width	Height			
#14-2/0 Class B & C #14-#1 Class G,H,I,K, DLO	195 A	4	Mountable Double Sided Entry	7	4.20	1.56	1.50	3/16	BIBD2/04FXMT	Black
		8	Mountable Double Sided Entry	7	6.89	1.56	1.50	3/16	BIBD2/08FXMT	
		10	Mountable Double Sided Entry	7	8.24	1.56	1.50	3/16	BIBD2/010FXMT	
		12	Mountable Double Sided Entry	7	9.58	1.56	1.50	3/16	BIBD2/012FXMT	
#10-250 Class B & C #10-3/0 Class G,H,I,K, DLO	290 A	4	Mountable Double Sided Entry	7	5.78	2.64	2.63	5/16	BIBD2504FXMT	Yellow
		6	Mountable Double Sided Entry	7	7.65	2.64	2.63	5/16	BIBSD506FXMT	
		8	Mountable Double Sided Entry	7	9.53	2.64	2.63	5/16	BIBD2508FXMT	
		10	Mountable Double Sided Entry	7	11.41	2.64	2.63	5/16	BIBD25010FXMT	
		12	Mountable Double Sided Entry	7	13.29	2.64	2.63	5/16	BIBD25012FXMT	
#10-350 Class B & C #10-250 Class G,H,I,K, DLO	350 A	4	Mountable Double Sided Entry	7	5.86	3.00	2.63	5/16	BIBD3504FXMT	Red
		6	Mountable Double Sided Entry	7	7.68	3.00	2.63	5/16	BIBD3506FXMT	
		8	Mountable Double Sided Entry	7	9.50	3.00	2.63	5/16	BIBD3508FXMT	
		10	Mountable Double Sided Entry	7	11.32	3.00	2.63	5/16	BIBD35010FXMT	
		12	Mountable Double Sided Entry	7	13.14	3.00	2.63	5/16	BIBD35012FXMT	
#4-600 Class B & C #4-373 Class G,H,I,K, DLO	475 A	4	Mountable Double Sided Entry	7	5.53	3.00	2.88	3/8	BIBD6004FXMT	Green
		6	Mountable Double Sided Entry	7	7.40	3.00	2.88	3/8	BIBD6006FXMT	
		8	Mountable Double Sided Entry	7	9.28	3.00	2.88	3/8	BIBD6008FXMT	
		10	Mountable Double Sided Entry	7	11.16	3.00	2.88	3/8	BIBD60010FXMT	
		12	Mountable Double Sided Entry	7	13.03	3.00	2.88	3/8	BIBD60012FXMT	

UV Rated Black UNITAP™

UNITAP™



UV Rated Black Insulated Multiple Tap Connectors and Splice Reducers

Tap connections are made quickly and easily with the UNITAP™ line of connectors. UL486A-B Listed. Dual-rated for any stranded copper or stranded aluminum applications. UL Listed 600 Volts, -40° C to 135° C Operating Temperature.

Features & Benefits

- UV Rated covering over AL6061-T6 aluminum body saves time, lowering installation costs and eliminates taping
- Oxide inhibitor pre-installed inhibits moisture and contaminants from entering the contact area
- Range-taking capability reduces the number of connectors necessary to carry in inventory
- AL486B Listed, AL9CU, 600 Volts, 90°C
- Operating temperature -40°C to 135°C



Figure 1

In-Line Splice Reducer (1PBS1/0)



Figure 4

Multiple Port Tap Single Sided Entry (1PL2503)



Figure 2

Tap - Opposite Side Entry (1PLO2502)



Figure 5

Multiple Port Tap Double Sided Entry (1PLD2504)



Figure 3

Tap - Same Side Entry (1PL42)



Figure 6

Multiple Port Tap Double Sided Entry Heavy Duty 750 Series (1PLD7504HD)

Wire Range (AWG/kcmil) CLASS B & C ONLY	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Installation Torque (in-lbs)
				Length	Width	Height			
14 AWG-2 AWG	2	In-Line Splice Reducer	1	2.38	0.75	1.22	5/32	1PBS2	45
14 AWG-1/0 AWG				2.91	0.91	1.38	3/16	1PBS1/0	120
10 AWG-250 kcmil				4.01	1.19	2.10	5/16	1PBS250	275
10 AWG-350 kcmil				4.63	1.34	2.35	5/16	1PBS350	275
6 AWG-500 kcmil				5.00	1.62	2.62	3/8	1PBS500	375
* #2 AWG - 750 kcmil				10.53	1.88	3.01	3/8"	1PBS750HD	500
14 AWG-4 AWG	2	Tap - Opposite Side Entry	2	1.08	1.50	1.25	1/8	1PLO42	45
14 AWG-2/0 AWG				1.52	1.56	1.38	3/16	1PLO2/02	120
10 AWG-250 kcmil				2.03	2.64	2.13	5/16	1PLO2502	275
10 AWG-350 kcmil				2.22	3.00	2.5	5/16	1PLO3502	275
4 AWG-600 kcmil				2.72	3.00	2.75	3/8	1PLO6002	375
14 AWG-4 AWG	2	Tap - Same Side Entry	3	1.08	1.16	1.25	1/8	1PL42	45
14 AWG-2/0 AWG				1.52	1.40	1.38	3/16	1PL2/02	120
10 AWG-250 kcmil				2.03	2.07	2.13	5/16	1PL2502	275
10 AWG-350 kcmil				2.22	2.32	2.5	5/16	1PL3502	275
4 AWG-600 kcmil				2.72	2.38	2.75	3/8	1PL6002	375
14 AWG-4 AWG	3	Single Sided Entry	4	1.51	1.25	1.25	1/8	1PL43	45
14 AWG-2/0 AWG				1.95	1.25	1.25	1/8	1PL44	
10 AWG-250 kcmil				2.19	1.31	1.38	3/16	1PL2/03	120
10 AWG-250 kcmil				2.97	2.07	2.13	5/16	1PL2503	275

* Heavy Duty Series: two screws per conductor; conductors cannot be installed from opposite sides of the same port using only one screw per conductor.

UV Rated Black UNITAP™ (Continued)

Wire Range (AWG/kcmil) CLASS B & C ONLY	# of Ports	Configuration	Fig. #	Size (inches)			Hex Key	Catalog Number	Installation Torque (in-lbs)
				Length	Width	Height			
14 AWG-4 AWG	3	Double Sided Entry	5	1.51	1.50	1.25	1/8	1PLD43	45
	4			1.95	1.50	1.25	1/8	1PLD44	
14 AWG-2/0 AWG	2			1.52	1.56	1.38	3/16	1PLD2/02	120
	3			2.19	1.56	1.38	3/16	1PLD2/03	
	4			2.86	1.56	1.38	3/16	1PLD2/04	
	6			4.2	1.56	1.38	3/16	1PLD2/06	
10 AWG-250 kcmil	2			2.03	2.64	2.13	5/16	1PLD2502	275
	3			2.97	2.64	2.13	5/16	1PLD2503	
	4			3.91	2.64	2.13	5/16	1PLD2504	
	6			5.78	2.64	2.13	5/16	1PLD2506	
10 AWG-350 kcmil	2			2.22	3.00	2.5	5/16	1PLD3502	275
	3			3.13	3.00	2.5	5/16	1PLD3503	
	4	4.04	3.00	2.5	5/16	1PLD3504			
	6	5.86	3.00	2.5	5/16	1PLD3506			
	8	7.68	3.00	2.5	5/16	1PLD3508			
	4 AWG-600 kcmil	2	2.72	3.00	2.75	3/8	1PLD6002	375	
3		4.00	3.00	2.75	3/8	1PLD6003			
4		5.28	3.00	2.75	3/8	1PLD6004			
5		6.56	3.00	2.75	3/8	1PLD6005			
6		7.84	3.00	2.75	3/8	1PLD6006			
8		10.40	3.00	2.75	3/8	1PLD6008			
* #2 AWG - 750 kcmil		2	2.63	4.83	3.00	3/8"	1PLD7502HD		500
	3	4.00	4.83	3.00	3/8"	1PLD7503HD			
	4	5.38	4.83	3.00	3/8"	1PLD7504HD			
	5	6.75	4.83	3.00	3/8"	1PLD7505HD			
	6	8.13	4.83	3.00	3/8"	1PLD7506HD			
	8	10.88	4.83	3.00	3/8"	1PLD7508HD			
	10	13.63	4.83	3.00	3/8"	1PLD75010HD			
	12	16.38	4.83	3.00	3/8"	1PLD75012HD			

* Heavy Duty Series: two screws per conductor; conductors cannot be installed from opposite sides of the same port using only one screw per conductor.

VERSIPOLE™

UL Listed 1953; Finger-Safe IEC 60527; IP-20 Rating

The VERSIPOLE™ Configurable Series Power Distribution Blocks are used for splicing and distributing power from primary run(s) to secondary/branch circuits. They are offered in standard one, two, or three pole configurations. The configurable series can also be designed to accommodate an infinite number of made-to-order combinations.

Features & Benefits

- 600 Volt rated; Listed to UL1953; Rated for use with both code and flex conductor without requiring ferrules
- AL9CU dual rated for use with copper and aluminum conductors
- Range taking designs accommodate wire sizes up to 535 DLO and can support 1 or 2 run conductors and up to 12 taps for secondary circuits
- Allow for panel mounting; medium and large sizes also allow for DIN rail mounting
- Finger-Safe style are provided with translucent polycarbonate top covers and end plates to permit easy visual inspection and provide IEC 60529 IP-20 Rating
- High Short-Circuit Current rating up to 100kA with proper fusing
- Bases and side barriers of glass-reinforced nylon 6/6 for extra durability and excellent insulating properties; carry a UL94 flammability rating of V0



↑ Figure 1
Open Style
BDBMCS5M1 shown



Figure 2 →
Finger-Safe Style comes
with covers and end plates
BDBMCS5M1FS shown



← Figure 3
Finger-Safe Kits include
only covers and end plates

Ordering Information & Footnotes:

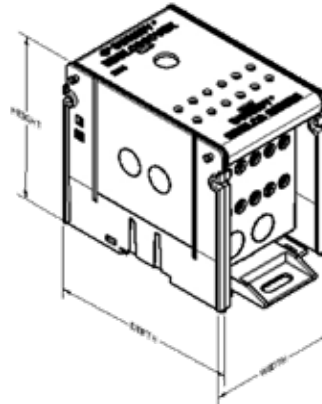
Finger-Safe Kits include translucent top cover and end plates only. Order 1 kit per pole. The kits are used in conjunction with Open style distribution blocks. (Distribution blocks are not included.)

† To achieve Finger-Safe style Adder order Open style Adder and Finger-Safe Kit

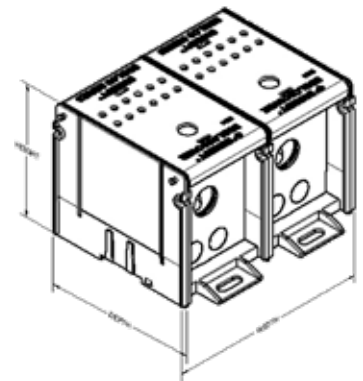
Optional Hinged Covers are available for use with Open style blocks and are ordered 1 cover per pole.

Optional Hinged Covers:

Catalog Number	Size
BDBSCSCOVER	Small
BDBMCSCOVER	Medium
BDBLCSCOVER	Large



BDBLCS3A1FS shown



BDBLCS3A2FS shown

Catalog Number			# of Conductors		Wire Range (Class B, C, H, I, K, DLO)		# of Poles	Dimensions			Amp Rating per Pole
Open Style (Fig. 1)	Finger-Safe Style (Fig. 2)	Finger-Safe Kit (Fig. 3)	Run	Tap	Run	Tap		W	D	H	
BDBSCS1C1	BDBSCS1C1FS	BDBSCS1C1FSKIT	1	4	#14 - 2/0	#14 - #4	1	1.34	3.06	3.59	175
BDBSCS1C2	BDBSCS1C2FS						2	2.41	3.06	3.59	175
BDBSCS1C3	BDBSCS1C3FS						3	3.48	3.06	3.59	175
BDBSCS1CA	†						Adder	1.16	3.06	3.59	175

VERSIPOLE™ (Continued)

Small Series: (continued)											
Catalog Number			# of Conductors		Wire Range (Class B, C, H, I, K, DLO)		# of Poles	Dimensions			Amp Rating per Pole
Open Style (Fig. 1)	Finger-Safe Style (Fig. 2)	Finger-Safe Kit (Fig. 3)	Run	Tap	Run	Tap		W	D	H	
BDBSCS1P1	BDBSCS1P1FS	BDBSCS1P1FSKIT	1	1	#14 - 2/0	#14 - 2/0	1	1.34	3.06	3.59	175
BDBSCS1P2	BDBSCS1P2FS						2	2.41	3.06	3.59	175
BDBSCS1P3	BDBSCS1P3FS						3	3.48	3.06	3.59	175
BDBSCS1PA	†						Adder	1.16	3.06	3.59	175

Medium Series:											
BDBMCS1F1	BDBMCS1F1FS	BDBMCS1F1FSKIT	1	6	#14 - 2/0	#14 - #2	1	2.09	4.52	3.70	175
BDBMCS1F2	BDBMCS1F2FS						2	3.90	4.52	3.70	175
BDBMCS1F3	BDBMCS1F3FS						3	5.72	4.52	3.70	175
BDBMCS1FA	†						Adder	1.91	4.52	3.70	175
BDBMCS3U1	BDBMCS3U1FS	BDBMCS3U1FSKIT	1	1	#6 - 350	#6 - 350	1	2.09	4.52	3.70	310
BDBMCS3U2	BDBMCS3U2FS						2	3.90	4.52	3.70	310
BDBMCS3U3	BDBMCS3U3FS						3	5.72	4.52	3.70	310
BDBMCS3UA	†						Adder	1.91	4.52	3.70	310
BDBMCS2F1	BDBMCS2F1FS	BDBMCS2F1FSKIT	2	6	#14 - 2/0	#14 - #2	1	2.09	4.52	3.70	350
BDBMCS2F2	BDBMCS2F2FS						2	3.90	4.52	3.70	350
BDBMCS2F3	BDBMCS2F3FS						3	5.72	4.52	3.70	350
BDBMCS2FA	†						Adder	1.91	4.52	3.70	350
BDBMCS2N1	BDBMCS2N1FS	BDBMCS2N1FSKIT	2	2	#14 - 2/0	#14 - 2/0	1	2.09	4.52	3.70	350
BDBMCS2N2	BDBMCS2N2FS						2	3.90	4.52	3.70	350
BDBMCS2N3	BDBMCS2N3FS						3	5.72	4.52	3.70	350
BDBMCS2NA	†						Adder	1.91	4.52	3.70	350
BDBMCS5F1	BDBMCS5F1FS	BDBMCS5F1FSKIT	1	6	#4 - 500	#14 - #2	1	2.09	4.52	3.70	380
BDBMCS5F2	BDBMCS5F2FS						2	3.90	4.52	3.70	380
BDBMCS5F3	BDBMCS5F3FS						3	5.72	4.52	3.70	380
BDBMCS5FA	†						Adder	1.91	4.52	3.70	380
BDBMCS5M1	BDBMCS5M1FS	BDBMCS5M1FSKIT	1	4	#4 - 500	#14 - 2/0	1	2.09	4.52	3.70	380
BDBMCS5M2	BDBMCS5M2FS						2	3.90	4.52	3.70	380
BDBMCS5M3	BDBMCS5M3FS						3	5.72	4.52	3.70	380
BDBMCS5MA	†						Adder	1.91	4.52	3.70	380

Large Series:											
BDBLCS3A1	BDBLCS3A1FS	BDBLCS3A1FSKIT	1	12	#6 - 350	#14 - #4	1	3.25	5.54	4.12	310
BDBLCS3A2	BDBLCS3A2FS						2	6.17	5.54	4.12	310
BDBLCS3A3	BDBLCS3A3FS						3	9.09	5.54	4.12	310
BDBLCS3AA	†						Adder	3.05	5.54	4.12	310
BDBLCS3K1	BDBLCS3K1FS	BDBLCS3K1FSKIT	1	6	#6 - 350	#14 - 2/0	1	3.25	5.54	4.12	310
BDBLCS3K2	BDBLCS3K2FS						2	6.17	5.54	4.12	310
BDBLCS3K3	BDBLCS3K3FS						3	9.09	5.54	4.12	310
BDBLCS3KA	†						Adder	3.05	5.54	4.12	310

VERSIPOLE™ (Continued)

Large Series: (continued)											
Catalog Number			# of Conductors		Wire Range (Class B, C, H, I, K, DLO)		# of Poles	Dimensions			Amp Rating per Pole
Open Style (Fig. 1)	Finger-Safe Style (Fig. 2)	Finger-Safe Kit (Fig. 3)	Run	Tap	Run	Tap		W	D	H	
BDBLCS5K1	BDBLCS5K1FS	BDBLCS5K1FSKIT	1	6	#4 - 500	#14 - 2/0	1	3.25	5.54	4.12	380
BDBLCS5K2	BDBLCS5K2FS						2	6.17	5.54	4.12	380
BDBLCS5K3	BDBLCS5K3FS						3	9.09	5.54	4.12	380
BDBLCS5KA	†						Adder	3.05	5.54	4.12	380
BDBLCS5W1	BDBLCS5W1FS	BDBLCS5W1FSKIT	1	1	#4 - 500	#4 - 500	1	3.25	5.54	4.12	380
BDBLCS5W2	BDBLCS5W2FS						2	6.17	5.54	4.12	380
BDBLCS5W3	BDBLCS5W3FS						3	9.09	5.54	4.12	380
BDBLCS5WA	†						Adder	3.05	5.54	4.12	380
BDBLCS4K1	BDBLCS4K1FS	BDBLCS4K1FSKIT	2	6	#6 - 350	#14 - 2/0	1	3.25	5.54	4.12	620
BDBLCS4K2	BDBLCS4K2FS						2	6.17	5.54	4.12	620
BDBLCS4K3	BDBLCS4K3FS						3	9.09	5.54	4.12	620
BDBLCS4KA	†						Adder	3.05	5.54	4.12	620
BDBLCS4T1	BDBLCS4T1FS	BDBLCS4T1FSKIT	2	2	#6 - 350	#6 - 350	1	3.25	5.54	4.12	620
BDBLCS4T2	BDBLCS4T2FS						2	6.17	5.54	4.12	620
BDBLCS4T3	BDBLCS4T3FS						3	9.09	5.54	4.12	620
BDBLCS4TA	†						Adder	3.05	5.54	4.12	620
BDBLCS6A1	BDBLCS6A1FS	BDBLCS6A1FSKIT	2	12	#4 - 500	#14 - #4	1	3.25	5.54	4.12	760
BDBLCS6A2	BDBLCS6A2FS						2	6.17	5.54	4.12	760
BDBLCS6A3	BDBLCS6A3FS						3	9.09	5.54	4.12	760
BDBLCS6AA	†						Adder	3.05	5.54	4.12	760
BDBLCS6K1	BDBLCS6K1FS	BDBLCS6K1FSKIT	2	6	#4 - 500	#14 - 2/0	1	3.25	5.54	4.12	760
BDBLCS6K2	BDBLCS6K2FS						2	6.17	5.54	4.12	760
BDBLCS6K3	BDBLCS6K3FS						3	9.09	5.54	4.12	760
BDBLCS6KA	†						Adder	3.05	5.54	4.12	760
BDBLCS6R1	BDBLCS6R1FS	BDBLCS6R1FSKIT	2	4	#4 - 500	#6 - 4/0	1	3.25	5.54	4.12	760
BDBLCS6R2	BDBLCS6R2FS						2	6.17	5.54	4.12	760
BDBLCS6R3	BDBLCS6R3FS						3	9.09	5.54	4.12	760
BDBLCS6RA	†						Adder	3.05	5.54	4.12	760
BDBLCS6V1	BDBLCS6V1FS	BDBLCS6V1FSKIT	2	2	#4 - 500	#4 - 500	1	3.25	5.54	4.12	760
BDBLCS6V2	BDBLCS6V2FS						2	6.17	5.54	4.12	760
BDBLCS6V3	BDBLCS6V3FS						3	9.09	5.54	4.12	760
BDBLCS6VA	†						Adder	3.05	5.54	4.12	760
BDBLCS8Y1	BDBLCS8Y1FS	—	2	2	#4 - 600 (Class B & C only)	#4 - 600 (Class B & C only)	1	3.25	5.54	4.12	840
BDBLCS8Y2	BDBLCS8Y2FS						2	6.17	5.54	4.12	840
BDBLCS8Y3	BDBLCS8Y3FS						3	9.09	5.54	4.12	840
BDBLCS8YA	—						Adder	3.05	5.54	4.12	840

† To achieve Finger-Safe style Adder order Open style Adder and Finger-Safe Kit

VERSIPOLE™

Double-Wide, Box-to-Stud, and Stud-to-Stud Styles

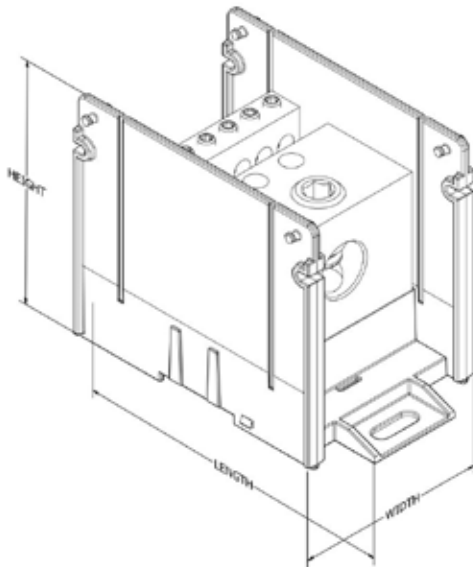
These styles offer additional splicing and tapping options over the standard Open and Finger-Safe styles.



Double-Wide
BDBLCS7X1DW shown

Features & Benefits

- 600 Volt Rated
- Listed to UL1953
- Rated for use with code and flex conductor without requiring ferrules
- AL9CU dual rated for use with copper and aluminum conductors
- Range taking conductor ports can accommodate wire sizes up to 535 DLO and can support up to 5 run conductors and up to 24 tap conductors
- High Short-Circuit Current Rating up to 100kA with proper fusing



Box-to-Stud
BDBLCS5SK1 shown



Stud-to-Stud
BDBLCS5S5S1 shown

VERSIPOLE™ (Continued)



Double-Wide
BDBLCS7X1DW shown

Double-Wide Series:

Catalog Number	# of Conductors		Wire Range (Class B, C, H, I, K, DLO)		# of Poles	Dimensions			Amp Rating per Pole	SCCR ¹
	Run	Tap	Run	Tap		W	D	H		
BDBLCS7X1DW	5	5	#4 - 500	#4 - 500	1	6.17	5.54	4.12	1720	100kA
BDBLCS7R1DW	5	8	#4 - 500	#6 - 4/0	1	6.17	5.54	4.12	1456	100kA
BDBLCS7K1DW	5	12	#4 - 500	#14 - 2/0	1	6.17	5.54	4.12	1170	100kA
BDBLCS7A1DW	5	24	#4 - 500	#14 - #4	1	6.17	5.54	4.12	1026	100kA

¹ Short-Circuit Current Rating with proper fusing



Box-to-Stud
BDBLCS5SK1 shown



Stud-to-Stud
BDBLCS5S5S1 shown

Box-to-Stud and Stud-to-Stud Series:

Catalog Number	# of Conductors		Wire Range (Class B, C, H, I, K, DLO)		# of Poles	Dimensions			Amp Rating per Pole	SCCR ¹
	Run	Tap	Run	Tap		W	D	H		
BDBSCS1S1S1	1/4" Ø stud	1/4" Ø stud	—	—	1	1.34	2.76	5.56	175	100kA
BDBMCS3S3S1	3/8" Ø stud	3/8" Ø stud	—	—	1	2.09	4.52	3.70	350	100kA
BDBMCS3SM1	3/8" Ø stud	4	—	#14 - 2/0	1	2.09	4.52	3.70	350	100kA
BDBMCS3SF1	3/8" Ø stud	6	—	#14 - #2	1	2.09	4.52	3.70	350	100kA
BDBLCS5S5S1	1/2" Ø stud	1/2" Ø stud	—	—	1	3.25	5.54	4.12	620	100kA
BDBLCS5SK1	1/2" Ø stud	6	—	#14 - 2/0	1	3.25	5.54	4.12	380	100kA
BDBLCS5SA1	1/2" Ø stud	12	—	#14 - #4	1	3.25	5.54	4.12	310	100kA

¹ Short-Circuit Current Rating with proper fusing

VERSIPOLE™

Double-Wide Lay-In Style

These blocks feature a Lay-In channel that allows for continuous Run conductors, perfect for multi-level and/or multi-unit applications.

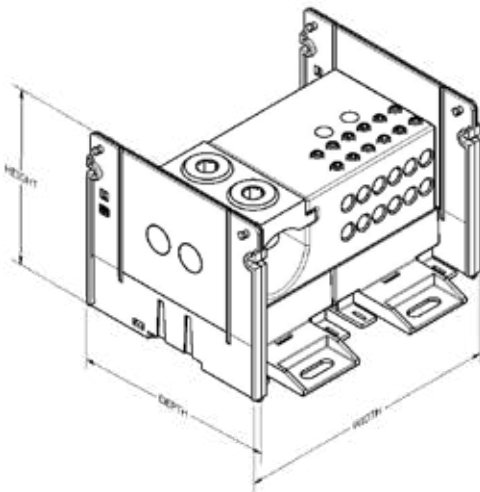


Features & Benefits

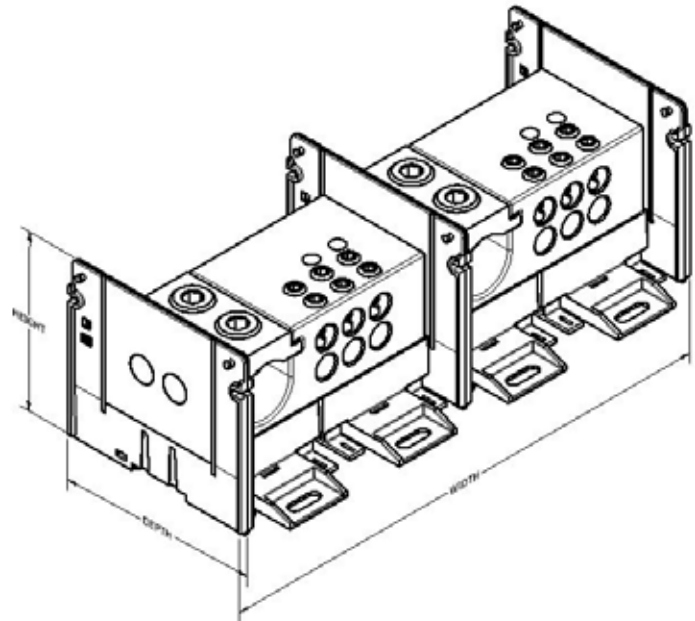
- 600 Volt Rated; Listed to UL1953
- Allows for continuous Run conductors
- Acceptable for panel mounting or DIN Rail mounting for medium and large sizes
- Rated for use with code and flex conductor without requiring ferrules
- AL9CU dual rated for use with copper and aluminum conductors
- Multiple configurations feature range taking conductor ports that accommodate wire sizes up to 1000 kcmil run and up to 12 tap conductors max. 500 kcmil
- High Short-Circuit Current Rating up to 100kA with proper fusing
- Supplied with Black Cover



Double-Wide Lay-In
BDBLCS13LK1DW shown

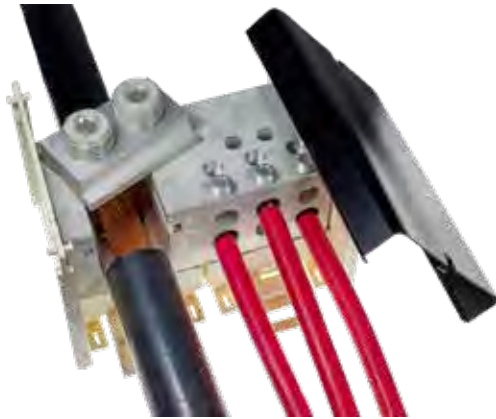


Double-Wide Lay-In Single Pole
BDBLCS13LA1DW shown



Double-Wide Lay-In Two Pole
BDBLCS13LK2DW shown

VERSIPOLE™ (Continued)



Double-Wide Lay-In
BDBLCS13LK1DW shown

Double-Wide Lay-In Series:

Catalog Number	# of Conductors		Wire Range (Class B, C, H, I, K, DLO)		# of Poles	Dimensions			Amp Rating per Pole	SCCR ¹
	Run	Tap	Run	Tap		W	D	H		
BDBLCS10LV1DW	1	2	500 - 750	#4 - 500	1	6.17	5.54	4.12	475	100kA
BDBLCS10LV2DW					2	12.00	5.54	4.12		
BDBLCS10LV3DW					3	17.84	5.54	4.12		
BDBLCS10LR1DW	1	4	500 - 750	#6 - 4/0	1	6.17	5.54	4.12	475	100kA
BDBLCS10LR2DW					2	12.00	5.54	4.12		
BDBLCS10LR3DW					3	17.84	5.54	4.12		
BDBLCS10LK1DW	1	6	500 - 750	#14 - 2/0	1	6.17	5.54	4.12	475	100kA
BDBLCS10LK2DW					2	12.00	5.54	4.12		
BDBLCS10LK3DW					3	17.84	5.54	4.12		
BDBLCS10LA1DW	1	12	500 - 750	#14 - #4	1	6.17	5.54	4.12	475	100kA
BDBLCS10LA2DW					2	12.00	5.54	4.12		
BDBLCS10LA3DW					3	17.84	5.54	4.12		
BDBLCS13LV1DW	1	2	750 - 1000	#4 - 500	1	6.17	5.54	4.12	545	100kA
BDBLCS13LV2DW					2	12.00	5.54	4.12		
BDBLCS13LV3DW					3	17.84	5.54	4.12		
BDBLCS13LR1DW	1	4	750 - 1000	#6 - 4/0	1	6.17	5.54	4.12	545	100kA
BDBLCS13LR2DW					2	12.00	5.54	4.12		
BDBLCS13LR3DW					3	17.84	5.54	4.12		
BDBLCS13LK1DW	1	6	750 - 1000	#14 - 2/0	1	6.17	5.54	4.12	545	100kA
BDBLCS13LK2DW					2	12.00	5.54	4.12		
BDBLCS13LK3DW					3	17.84	5.54	4.12		
BDBLCS13LA1DW	1	12	750 - 1000	#14 - #4	1	6.17	5.54	4.12	545	100kA
BDBLCS13LA2DW					2	12.00	5.54	4.12		
BDBLCS13LA3DW					3	17.84	5.54	4.12		

¹ Short-Circuit Current Rating with proper fusing

POWER DISTRIBUTION BLOCKS

U-BLOK™

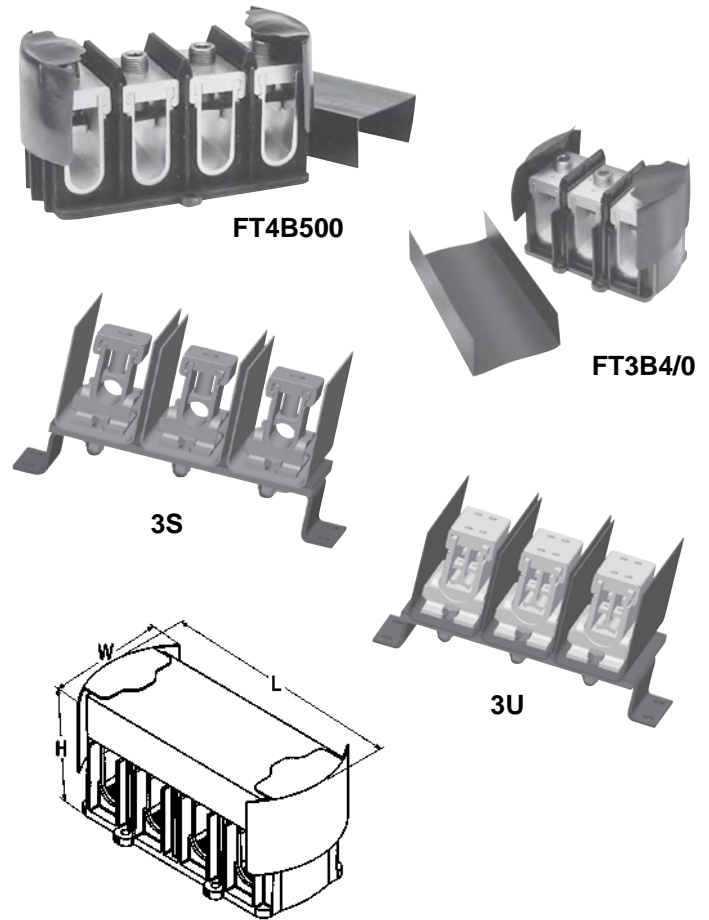


For Junction Box Applications

The U-BLOK™ system is a modern, state-of-the-art approach to multi-load power distribution applications. Among typical uses are multi-story or multi-unit buildings, HVAC, refrigeration, control panels, motor control, switch gear, elevator systems and materials handling equipment. U-BLOK™ is UL Listed for Copper or Aluminum conductors and rated for 600-volt applications. U-BLOK™ can be mounted on bases for use in troughs or bolted directly to junction boxes. AL9CU rated.

Features & Benefits

- Connector top slides OFF/ON for quick cable lay-in providing labor savings; easy access for installation, modifications, or retrofit
- Electro-tin plated connectors in each pole for durability, high-conductivity and resistance to corrosion
- Compact size requires less space than traditional connection methods
- Trough installations can be mounted on raised platforms for passage of cables under the block, no need for through-cables to be terminated
- Insulating covers and mounting blocks are rated 94-V0 savings costly taping, time, and material; conforms to or exceeds building codes
- Connectors accommodate a wide range of wire sizes reducing inventory requirements
- Feeder conductors can be cut or fed through on a continuous run for ease of installation



3 WIRE POWER DISTRIBUTION BLOCKS

Catalog Number	Max. Number of Wires per Phase	Conductor Copper or Aluminum*		W	L	H	Weight Each	Allen Wrench Size	Recommended Tightening Torque	Strip Length
		Run	Tap							
FT3B4/0	2	3/0 - 4/0	6 - 4/0	3-7/8	5-7/8	4-1/8	1-1/4	1/4	200	1-1/2
FT3B500	2	400 - 500	6 - 500	3-7/8	5-7/8	4-1/8	2-1/8	3/8	375	2-5/16
3S	2	250 - 350	6 - 350	3-5/8	9-3/4	4-7/8	3	1/4	200	1-3/4
3U	1 Run / 8 Tap	3/0 - 500	6 - 1/0	4-3/4	9-3/4	5-1/2	3	5/32	110	2-5/16 (Run); 1-5/32 (Tap)

4 WIRE POWER DISTRIBUTION BLOCKS

Catalog Number	Max. Number of Wires per Phase	Conductor Copper or Aluminum*		W	L	H	Weight Each	Allen Wrench Size	Recommended Tightening Torque	Strip Length
		Run	Tap							
FT4B4/0	2	3/0 - 4/0	6 - 4/0	3-7/8	7-7/8	4-1/8	2	1/4	200	1-1/2
FT4B500	2	400 - 500	6 - 500	3-7/8	7-7/8	4-1/8	2-3/4	3/8	375	2-5/16
4S	2	250 - 350	6 - 350	3-5/8	11-3/4	4-7/8	3-1/2	1/4	200	1-3/4
4U	1 Run / 8 Tap	3/0 - 500	6 - 1/0	4-3/4	11-3/4	5-1/2	3-1/2	5/32	110	2-5/16 (Run); 1-5/32 (Tap)

PENETROX™ inhibitor is recommended for all aluminum wire connections.

For two wire tap range is 8 through 1/0.

* Aluminum and copper conductors cannot be assembled under the same pressure plate or t-bar.

U-BLOK™ Mounting Platforms for Trough Applications are available, please contact technical services.

Table of Contents

General Information	B-2	Locking Fork Tongue Bare, Uninsulated Type T-LF	B-37	Parallel Splice Bare, Uninsulated Type YSM	B-60	Pin Terminals, Vinyl Insulated Type PTV	B-73
Military Specification Equivalents SAE AS25036 / SAE AS20659	B-4	Polyvinylchloride Insulated Types TP-LF / BA-EL	B-38	Color-Coded Uninsulated Type YSCM	B-61	Uninsulated Ferrules for Copper Type YF-UI	B-74
Ring Tongue Bare, Uninsulated Types T / YAD	B-5	Nylon Insulated Type TN-LF	B-39	Quick Disconnects, Male, Female Uninsulated, Bare Male, Type Q-M	B-63	Insulated Ferrules for Copper (Series D, T, & W), Type YF-I	B-76
Type YAD	B-6	Shrouded, Type YAE-N-LF	B-40	Female, Type Q-F	B-63	Insulated Twin Ferrules For Copper (Series D, T, & W), Type YF-TW	B-80
Heavy Duty, Type YAV	B-20	Heat Shrink Insulated Type YHSA-K-LF	B-41	Vinyl Insulated Male, Type QP-M	B-64	Small Terminal Kits	B-81
#8-4/0 Str. Copper, Type YAV-L	B-21	Block Fork Tongue Bare, Uninsulated, Shrouded Types YAV-H-F / YAV-Z	B-46	Female, Type QP-F	B-64	Nylon Insulated Pigtail Splice Types YQE / RK	B-84
Shrouded, Type YAV-H	B-23	Polyvinylchloride Insulated Type TP-BF	B-42	Nylon Insulated Male, Type QN-M	B-65		
Polyvinylchloride Insulated Types TP / BA	B-8	Nylon Insulated Type TN-BF	B-43	Female, Type QN-F	B-65		
Nylon Insulated Types TN / YAES	B-9	Shrouded, Type YAE-N-BF	B-44	Heat Shrink Insulated Male, Type YHSQ-M	B-67		
Multi-Finger, Type YAE-G	B-10	Heat Shrink Insulated Type YHSA-K-BF	B-45	Female, Type YHSQ-F	B-68		
Multi-Finger, Type YAE-N	B-11	Flanged Fork Tongue Polyvinylchloride Insulated Types TP-Z / BA-EZ	B-47	Vinyl Fully Insulated Female, Type FQP-F	B-66		
Types YAEV / YAEV-L	B-24	Nylon Insulated Multi-Finger, Type YAE-Z	B-48	Nylon Fully Insulated Male, Type FQN-M	B-66		
Expanded Insulation, Type YAEV-H	B-26	Butt Splice Bare, Uninsulated Rolled, Type YSV-B	B-49	Female, Type FQN-F	B-67		
Heat Shrink Insulated Type YHSA	B-12	Seamless, Type YSV	B-50	Heat Shrink Fully Insulated Female, Type YHSFQ-F	B-68		
Radiation Resistant Insulated Type YAES-K	B-13	#8-4/0 Copper, Type YSV-L	B-51	Quick Disconnects, Male/Female Combo Uninsulated, Bare Type PG	B-69		
Nickel Plated, SAE AS20659 Green Banded Ring, Type YAV	B-15	Cable Strain Relief, Type YSV-H	B-52	Vinyl Insulated Type PGP	B-70		
Right Angle Ring Tongue Bare, Types YAV-R / YAV-RS	B-28	Reducing, Types YSV / YRV-L	B-62	Nylon Insulated Type PGN	B-70		
Nylon Insulated, for larger diameters Type YAEV-RS	B-29	Polyvinylchloride Insulated Type SP	B-53	Heat Shrink Insulated Type PGHS	B-69		
Flag Type Ring Tongue Bare, Type YBM	B-30	Nylon Insulated Type SN	B-54	Flag-Style Female Quick Disconnects Bare, Uninsulated Type FL	B-71		
Fork Tongue Bare, Uninsulated Types T-F / YAD-F	B-31	Type SN-B	B-55	Nylon Insulated Type FLN	B-71		
Type YAV-T-F	B-32	Aircraft and Commercial Flex Cables Type YSE	B-56	OIKTAP™ Splices Type YAIT	B-72		
Polyvinylchloride Insulated Types TP-F / BA-EF	B-33	Heat Shrink Insulated Type YSE-HHS	B-57	OIKTAP™ Tap Connectors Type TTV	B-72		
Nylon Insulated Types TN-F / YAES-F	B-34	Type YHSS	B-58				
Multi-Finger, Type YAE-N-F	B-35	Radiation Resistant Insulated Type YSES-K	B-59				
Heat Shrink Insulated Type YHSA-F	B-36						

Performance

The terminals and splices in this catalog are approved, per SAE-AS7928 and/or UL486, where indicated. Table 1 shows the performance requirements for terminals used in military and commercial equipment. The voltage drops listed are maximum allowable values taken at currents well above rated current for the wires. Tensile values assure that the wires will not become separated from the terminals under reasonably expected stresses. UL tensile values are chosen to reflect the severest expected duty. MIL Specification tensile values apply only to crimp terminations and reflect minimum values that are obtained in good crimp joints. Actual performance of BURNDY terminals exceeds the requirements of Table 1. Typical values are shown in Figures 1-5. For High Temperature applications BURNDY® YAV series with nickel plating “-NK” suffix provide for continuous operation to 650° F and 750° F intermittent service.

Table 1

Performance Requirements — Terminals for Copper Wire					
Wire Size	Per SAE-AS7928			Per UL 486	
	Test Current (Amps)	Max. Voltage Drop (Mv.)	Min. Tensile Strength (lbs)	Min. Tensile Strength (lbs)	Test Current For Max. 50°C Rise (Amps)
26	3	8	7	—	—
24	4.5	8	10	—	—
22	9	7	15	8	—
20	11	6	19	13	—
19	16	5	38	20	—
18	22	7	50	30	—
14	32	6	70	50	15
12	41	5	110	70	20
13	55	5	150	80	30
8	73	5	225	90	50
6	101	5	300	100	65
4	135	5	400	140	85
2	181	5	550	180	115
1	211	5	650	200	130
1/0	245	5	700	250	150
2/0	283	5	750	300	175
3/0	320	5	825	350	200
4/0	380	5	875	450	230

Fig. 1. Tensile strength of YAD HYLUG™ after axial rotation stresses.

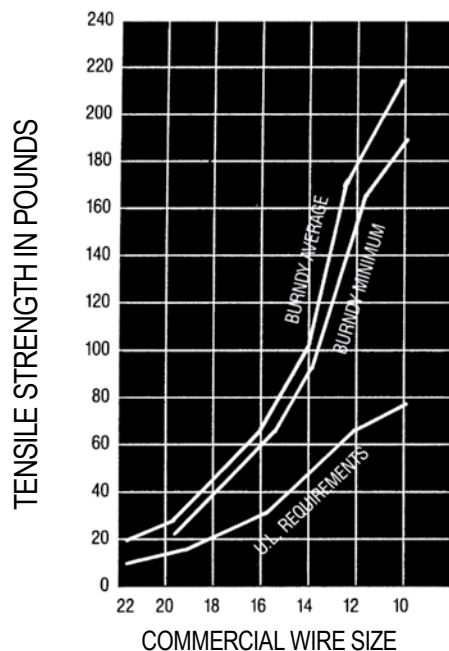


Fig. 2. Tensile strength of BA VINYLUG™ after axial rotation stresses.

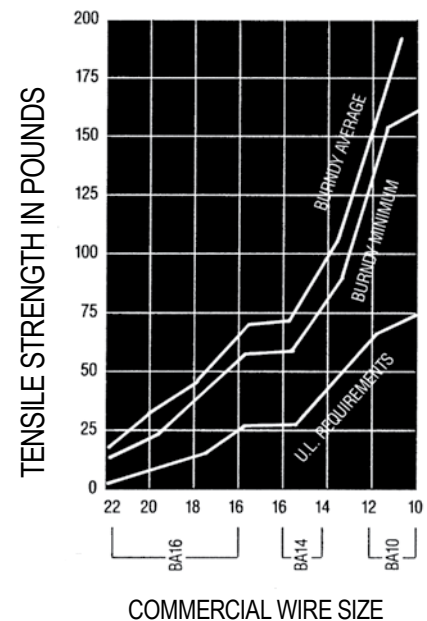


Fig. 3. Tensile strength of YAES INSULUG™ after vibration.

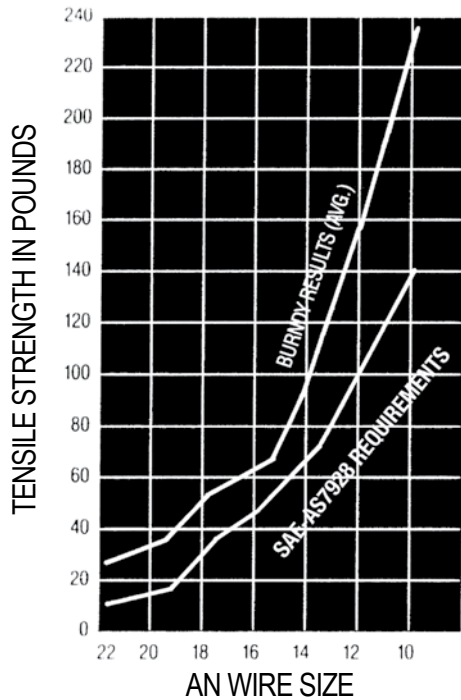


Fig. 5. Voltage drops of YAES at currents per Table 1 after vibration.

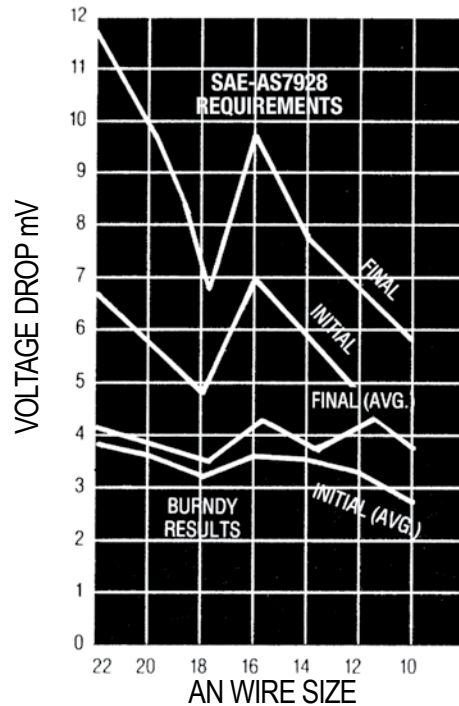
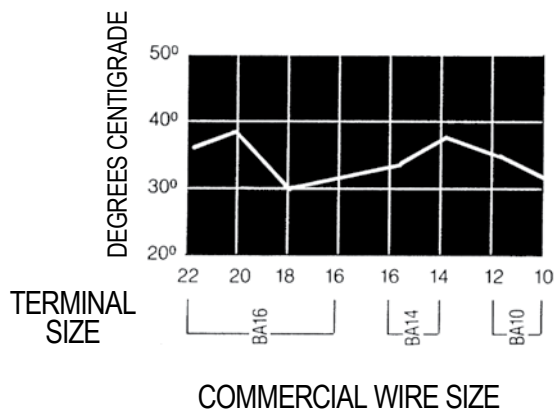


Fig. 4. Temperature rise of BA VINYLUG™ at currents per Table 1.



EQUIVALENT TABLES

MILITARY SPECIFICATIONS

Terminals

BURNDY® Equivalents to SAE-AS25036 in accordance with Specification SAE-AS7928.

AS25036 Dash No.	Catalog Number	Class 1	Class 2	AS25036 Dash No.	Catalog Number	Class 1	Class 2
101	YAES18N1	X	X	124	YAEV4CL4	X	X
	YAE18G43		X	125	YAEV4CL2	X	X
102	YAES18N2	X	X	126	YAEV2CL1	X	X
	YAE18N21		X	127	YAEV2CL	X	X
103	YAES18N3	X	X	128	YAEV2CL4	X	X
	YAE18N		X	129	YAEV1CL1	X	X
104	YAES18N4	X	X	130	YAEV1CL	X	X
	YAE18N3		X	131	YAEV1CL3	X	X
105	YAES18N5	X	X	132	YAEV25L1	X	X
				133	YAEV25L	X	X
106	YAES14N6	X	X	134	YAEV25L3	X	X
	YAE14N43		X	135	YAEV26L2	X	X
107	YAES14N7	X	X	136	YAEV26L	X	X
	YAE14N43		X				
108	YAES14N8	X	X	137	YAEV26L3	X	X
	YAE14N		X	143	YAE22G18		X
109	YAES14N9	X	X	144	YAE22G16		X
	YAE14N3		X	145	YAE22G13		X
110	YAES14N10	X	X	146	YAE22G14		X
	YAE14N4		X	147	YAE22G15		X
111	YAES10N11	X	X	148	YAES18N48	X	X
	YAE10N5		X		YAE18N17		X
112	YAES10N12	X	X	149	YAES18N49	X	X
	YAE10N		X		YAE18N1		X
113	YAES10N13	X	X	150	YAES18N50	X	X
	YAE10N2		X		YAE18N		X
114	YAES10N14	X	X	152	YAES14N52	X	X
	YAE10N4		X	153	YAES14N53	X	X
115	YAEV8CL	X	X			YAE14N1		X
116	YAEV8CL1	X	X	154	YAES14N54	X	X
117	YAEV8CL2	X	X			YAE14N2		X
118	YAEV8CL3	X	X	155	YAES14N55	X	X
119	YAEV6CL1M	X	X	156	YAES10N56	X	X
120	YAEV6CLM	X	X			YAE10N11		X
121	YAEV6CL4M	X	X	157	YAES1-N57	X	X
122	YAEV6CL2M	X	X			YAE10N3		X
123	YAEV4CL	X	X	158	YAES10N58	X	X

Terminals

BURNDY® Equivalents to SAE-AS20659 in accordance with Specification SAE-AS7928.

AS20659 Dash No.	Catalog Number	Class 1	Class 2	AS20659 Dash No.	Catalog Number	Class 1	Class 2
105	YAV10	X	X	134	YAV1CL3	X	X
106	YAV10T2	X	X	135	YAV25L3	X	X
107	YAV8CL	X	X	136	YAV26L3	X	X
108	YAV8CL2	X	X	137	YAV28L54	X	X
109	YAV6CL	X	X	140	YAV8CL14	X	X
110	YAV6CL2	X	X	141	YAV8CL1	X	X
111	YAV4CL	X	X	142	YAV8CL4	X	X
112	YAV4CL2	X	X	143	YAV6CL10	X	X
113	YAV2CL1	X	X	144	YAV4CL3	X	X
114	YAV2CL	X	X	145	YAV4CL5	X	X
115	YAV1CL1	X	X	146	YAV2CL3	X	X
116	YAV1CL	X	X	147	YAV2CL2	X	X
117	YAV25L1	X	X	148	YAV2CL11	X	X
118	YAV25L	X	X	149	YAV1CL2	X	X
119	YAV26L2	X	X	150	YAV1CL4	X	X
120	YAV26L	X	X	151	YAV25L2	X	X
121	YAV27L	X	X	152	YAV25L16	X	X
122	YAV27L1	X	X	153	YAV26L1	X	X
123	YAV28L	X	X	154	YAV26L16	X	X
124	YAV28L12	X	X	155	YAV27L20	X	X
128	YAV10T4	X	X	156	YAV27L18	X	X
129	YAV8CL3	X	X	157	YAV28L56	X	X
130	YAV6CL1	X	X	158	YAV28L60	X	X
131	YAV6CL4	X	X	159	YAV28L13	X	X
132	YAV4CL4	X	X	160	YAV28L14	X	X
133	YAV2CL4	X	X	165	YAV10T7	X	X

Main Office Cage Code Number: 1NJK8

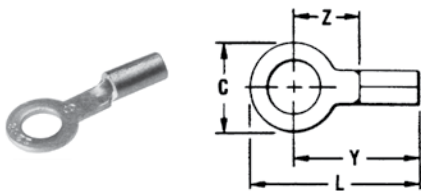
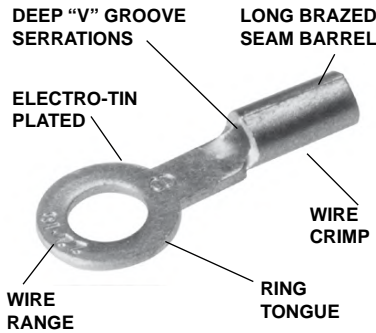
Notes:

For factory cage code numbers, please contact your local BURNDY® sales representative or the Headquarters at the phone number shown below.

SAE stands for the Society of Automotive Engineering, which has replaced the Military Specifications.

TYPES T AND YAD

HYLUG™



The Type T uninsulated terminals are constructed of pure electrolytic copper. Designed with a long brazed seam barrel, standard neck, deep V groove inner serrations and electro-tin plated. The terminals are ideal for control wiring and other standard duty applications.

The ring tongue provides a secure termination under the screw head that cannot be removed without the complete removal of the screw. Two or more terminals can easily be stacked on a common stud.

Features & Benefits

- Constructed of pure electrolytic copper for maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Long brazed seam barrel and deep V groove inner serrations provide optimum conductivity reliability and holding power after crimping
- Electro-tin plating to provide durable, long-lasting corrosion resistance
- Wire range is clearly marked on terminal for easy identification
- Inspection hole for an easy visual check of wire insertion
- Long neck terminal permits easy bending and stacking of several terminals on a common stud

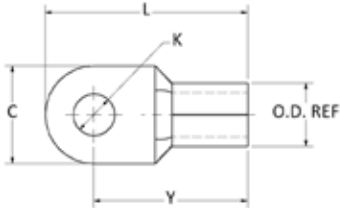
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range AWG, AN, Aircraft	Stud Size	Dimensions				Bulk Catalog Number	Installation Tooling	Tape Mounted Catalog Number 2000/Reel	Tape Fed Installation Tooling	Wire Strip Length
			C	L Max.	Y Max.	Z Min.					
T184	22 AWG- 18 AWG	#3 - #4	0.25	0.65	0.53	0.24	YAD184	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR8G98, Y8MRB1, MR20	YAD184M	OEM175TFM Tool with TFM2214B Die	9/32"
T186		#4 - #6	0.25	0.65	0.53	0.24	YAD186		YAD186M		
T188		#6 - #8	0.31	0.77	0.61	0.33	YAD188		YAD188M		
T1810		#8 - #10	0.31	0.77	0.61	0.33	YAD1810		YAD1810M		
T1814		1/4	0.45	0.96	0.73	0.44	YAD1814		YAD1814M		
T18516		5/16	0.45	0.96	0.73	0.44	YAD18516		—		
T1838		3/8	0.53	1.05	0.78	0.49	YAD1838		—		
T144	20 AWG- 14 AWG	#3 - #4	0.25	0.67	0.55	0.26	YAD144	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR8G98, Y8MRB1, MR20	—	OEM175TFM Tool with TFM2214B Die	9/32"
T146		#4 - #6	0.25	0.67	0.55	0.26	YAD146		YAD146M		
T148		#6 - #8	0.31	0.77	0.61	0.33	YAD148		YAD148M		
T1410		#8 - #10	0.31	0.77	0.61	0.33	YAD1410		YAD1410M		
T1414		1/4	0.45	0.96	0.73	0.44	YAD1414		YAD1414M		
T14516		5/16	0.45	0.96	0.73	0.44	YAD14516		—		
T1438		3/8	0.53	1.05	0.78	0.49	YAD1438		YAD1438M		
T106	12 AWG- 10 AWG	#4 - #6	0.37	0.83	0.64	0.29	YAD106	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR8G98, Y8MRB1, MR20	—	OEM175TFM Tool with TFM1210B Die	11/32"
T108		#6 - #8	0.37	0.83	0.64	0.29	YAD108		YAD108M		
T1010		#8 - #10	0.38	0.83	0.64	0.29	YAD1010		—		
T1014		1/4	0.46	0.97	0.74	0.39	YAD1014		YAD1014M		
T1016		5/16	0.53	1.02	0.76	0.41	YAD10516		YAD10516M		
T1038		3/8	0.58	1.08	0.79	0.44	YAD1038		YAD1038M		
T1012*		1/2	0.69	1.21	0.86	0.61	—		—		

* Not UL Listed or CSA Certified.

TYPE YAD

HYLUG™



The YAD un-insulated OEM lug terminal is constructed of electrolytic copper. Designed with a brazed seam barrel, standard neck, V-groove inner serrations and electro-tin plated. The round ring tongue provides a secure termination under the screw head that cannot be removed without the complete removal of the screw. Two or more terminals can easily be stacked on a common stud. These terminals are ideal for use with code or flex cable.

Features & Benefits

- Terminals utilize a brazed seam
- Provide excellent high conductivity connections
- Electro-tin plated for durable long lasting corrosion resistance
- Vibration resistance and tensile strength is well within the limits of commercial specifications

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range Copper Code & Flex [mm]	Stud Size	C	K Dia.	L	OD	T	Y	Installation Tooling				Wire Strip Length	
									Mechanical Tooling	Hydraulic Tooling (requires nest & indenter)				Dieless Tooling (no dies required)
										Tool	Die Nest	Indenter		
YAD8CM4E8	8 AWG [6-10]	#8	0.40	0.17	0.83	0.26	0.04	0.63	Y1MRTC Y8MRB1 Red Groove	35 and 750 Series	UV8L	Y34PL	3/8"	
YAD8CM5E10		#10	0.40	0.21	0.83	0.26	0.04	0.63						
YAD8CM6E14		1/4	0.43	0.26	0.89	0.26	0.04	0.67						
YAD8CM8E516		5/16	0.55	0.33	1.06	0.26	0.04	0.79						
YAD8CM10E38		3/8	0.71	0.41	1.18	0.26	0.04	0.83						
YAD8CM12E12		1/2	0.87	0.51	1.34	0.26	0.04	0.91						
YAD8CM16E58		5/8	1.10	0.67	1.93	0.26	0.04	1.38						
YAD6CM5E10	6 AWG [10-16]	#10	0.43	0.21	1.00	0.32	0.05	0.79	Y1MRTC Blue Groove	35 and 750 Series	UV6L	Y34PL	7/16"	
YAD6CM6E14		1/4	0.43	0.26	1.00	0.32	0.05	0.79						
YAD6CM8E516		5/16	0.55	0.33	1.14	0.32	0.05	0.87						
YAD6CM10E38		3/8	0.71	0.41	1.30	0.32	0.05	0.95						
YAD6CM12E12		1/2	0.87	0.51	1.46	0.32	0.05	1.02						
YAD4CM5E10	4 AWG [16-25]	#10	0.47	0.21	1.22	0.41	0.06	0.98	—	35 and 750 Series	UV2L	Y34PR	1/2"	
YAD4CM6E14		1/4	0.47	0.26	1.22	0.41	0.06	0.98						
YAD4CM8E516		5/16	0.63	0.33	1.30	0.41	0.06	0.98						
YAD4CM10E38		3/8	0.71	0.41	1.38	0.41	0.06	1.02						
YAD4CM12E12		1/2	0.87	0.51	1.65	0.41	0.06	1.22						
YAD4CM16E58		5/8	1.10	0.67	1.93	0.41	0.06	1.38						
YAD4CM20E34	3/4	1.10	0.80	1.93	0.41	0.06	1.38							
YAD2CM6E14	2 AWG [25-35]	1/4	0.59	0.26	1.32	0.48	0.06	1.02	—	35 and 750 Series	U1CD1	Y34PR	17/32"	
YAD2CM8E516		5/16	0.63	0.33	1.34	0.48	0.06	1.02						
YAD2CM10E38		3/8	0.71	0.41	1.42	0.48	0.06	1.06						
YAD2CM12E12		1/2	0.87	0.51	1.65	0.48	0.06	1.22						
YAD2CM16E58		5/8	1.10	0.67	1.97	0.48	0.06	1.42						
YAD2CM20E34	3/4	1.10	0.80	1.97	0.48	0.06	1.42							
YAD1CM6E14	1 AWG [35-50]	1/4	0.71	0.26	1.69	0.57	0.07	1.34	—	35 and 750 Series	UV26L	Y34PA	3/4"	
YAD1CM8E516		5/16	0.71	0.33	1.69	0.57	0.07	1.34						
YAD1CM10E38		3/8	0.71	0.41	1.69	0.57	0.07	1.34						
YAD1CM12E12		1/2	0.87	0.51	1.85	0.57	0.07	1.42						
YAD1CM16E58		5/8	1.10	0.67	2.13	0.57	0.07	1.57						
YAD1CM20E34		3/4	1.10	0.80	2.13	0.57	0.07	1.57						
YAD25M6E14	1/0 AWG [35-50]	1/4	0.71	0.26	1.69	0.57	0.07	1.34	—	35 and 750 Series	UV26L	Y34PA	3/4"	
YAD25M8E516		5/16	0.71	0.33	1.69	0.57	0.07	1.34						
YAD25M10E38		3/8	0.71	0.41	1.69	0.57	0.07	1.34						
YAD25M12E12		1/2	0.87	0.51	1.85	0.57	0.07	1.42						
YAD25M16E58		5/8	1.10	0.67	2.13	0.57	0.07	1.57						
YAD25M20E34		3/4	1.10	0.80	2.13	0.57	0.07	1.57						

TYPE YAD (Continued)



Catalog Number	Wire Range Copper Code & Flex [mm]	Stud Size	C	K Dia.	L	OD	T	Y	Installation Tooling				Wire Strip Length
									Hydraulic Tooling (requires nest & indentor)			Dieless Tooling (no dies required)	
									Tool	Die Nest	Indentor		
YAD26M6E14	2/0 AWG [50-70]	1/4	0.87	0.26	1.93	0.67	0.08	1.50	35 and 750 Series	U28D1	Y34PR2	81K Series 4PC Series	13/16"
YAD26M8E516		5/16	0.87	0.33	1.93	0.67	0.08	1.50					
YAD26M10E38		3/8	0.87	0.41	1.93	0.67	0.08	1.50					
YAD26M12E12		1/2	0.87	0.51	1.93	0.67	0.08	1.50					
YAD26M16E58		5/8	1.10	0.67	2.20	0.67	0.08	1.65					
YAD26M20E34		3/4	1.10	0.80	2.20	0.67	0.08	1.65					
YAD27M8E516	3/0 AWG [70-95]	5/16	0.95	0.33	2.13	0.79	0.10	1.65	35 and 750 Series	U29D1	Y34PR2	81K Series 4PC Series	7/8"
YAD27M10E38		3/8	0.95	0.41	2.13	0.79	0.10	1.65					
YAD27M12E12		1/2	0.95	0.51	2.13	0.79	0.10	1.65					
YAD27M16E58		5/8	1.10	0.67	2.28	0.79	0.10	1.73					
YAD27M20E34		3/4	1.10	0.80	2.28	0.79	0.10	1.73					
YAD28M6E14	4/0 AWG [95-120]	1/4	0.95	0.26	2.20	0.89	0.12	1.73	35 and 750 Series	U32D1	Y34PR2	81K Series 4PC Series	1"
YAD28M8E516		5/16	0.95	0.33	2.20	0.89	0.12	1.73					
YAD28M10E38		3/8	0.95	0.41	2.20	0.89	0.12	1.73					
YAD28M12E12		1/2	0.95	0.51	2.20	0.89	0.12	1.73					
YAD28M16E58		5/8	1.10	0.67	2.44	0.89	0.12	1.89					
YAD28M20E34		3/4	1.10	0.80	2.44	0.89	0.12	1.89					
YAD30M10E38	250-300 kcmil [120-150]	3/8	1.18	0.41	2.56	1.00	0.13	1.97	46 Series	P34D	P48PR2	81K Series 4PC Series	1-1/8"
YAD30M12E12		1/2	1.18	0.51	2.56	1.00	0.13	1.97					
YAD30M16E58		5/8	1.18	0.67	2.56	1.00	0.13	1.97					
YAD30M20E34		3/4	1.18	0.80	2.56	1.00	0.13	1.97					
YAD31M10E38	300-350 kcmil [150-185]	3/8	1.42	0.41	2.68	1.12	0.14	1.97	46 Series	P34D	P48PR2	81K Series 4PC Series	1-1/4"
YAD31M12E12		1/2	1.42	0.51	2.68	1.12	0.14	1.97					
YAD31M16E58		5/8	1.42	0.67	2.68	1.12	0.14	1.97					
YAD31M20E34		3/4	1.42	0.80	2.68	1.12	0.14	1.97					
YAD33M10E38	400-450 kcmil [185-240]	3/8	1.50	0.41	2.95	1.24	0.16	2.20	46 Series	P36D	P48PR2	81K Series 4PC Series	1-3/8"
YAD33M12E12		1/2	1.50	0.51	2.95	1.24	0.16	2.20					
YAD33M16E58		5/8	1.50	0.67	2.95	1.24	0.16	2.20					
YAD33M20E34		3/4	1.50	0.80	2.95	1.24	0.16	2.20					
YAD36M10E38	500-600 kcmil [240-300]	3/8	1.97	0.41	3.70	1.44	0.18	2.72	46 Series	P44D	P48PR2	81K Series 4PC Series	1-1/2"
YAD36M12E12		1/2	1.97	0.51	3.70	1.44	0.18	2.72					
YAD36M16E58		5/8	1.97	0.67	3.70	1.44	0.18	2.72					
YAD36M20E34		3/4	1.97	0.80	3.70	1.44	0.18	2.72					

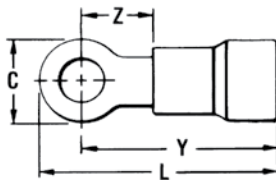
Small Terminals

Polyvinylchloride Insulated Compression
Ring Tongue Terminal

TYPES TP AND BA

600 Volts Max., 105° C Max.

VINYLUG™



VINYLUG™ Type TP is designed for commercial and light duty industrial control and power circuit applications. Supplied with an expanded polyvinyl chloride (PVC) insulation shroud, many tongue variations and rated 600V makes TP terminals versatile and economical.

Features & Benefits

- Expanded insulation support accepts standard and large wire diameters lowering inventory requirements and permitting greater flexibility along with insulation support
- Funnel entry for easy wire insertion
- Manufactured of pure electrolytic copper providing maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Deep V groove serrations in the inner barrel for added holding strength
- Electro-tin plating for durable, long-lasting corrosion resistance

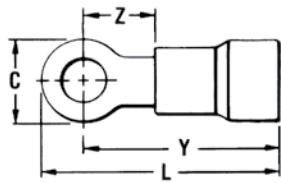
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (AWG/kcmil)	Stud Size	Dimensions				Bulk Catalog Number	Installation Tooling	Tape Mounted Catalog Number/Reel	Tape Fed Installation Tooling	Wire Strip Length
			C	L	Y	Z					
TP164	22-16 Max. Insul. Dia. Accom...145 Color Code: Red	#3-#4	0.22	0.71	0.61	0.17	BA16E4	Plier Type: Y1022, Y10D or Ratchet Tool: MR8891, MR8G96, MR15 MRE1022NV	BA16E4M	OEM175TFM with TFM2218NV Die	13/64"
TP166		#6	0.25	0.74	0.62	0.18	BA16E6		BA16E6M		
TP168		#6 - #8	0.31	0.85	0.70	0.26	BA16E8		BA16E8M		
TP1610		#8 - #10	0.31	0.85	0.70	0.26	BA16E10		BA16E10M		
TP1614		1/4	0.40	0.99	0.79	0.36	BA16E14		BA16E14M		
TP16516*		5/16	0.47	1.11	0.88	0.41	—		—		
TP1638		3/8	0.53	1.15	0.88	0.45	BA16E38		BA16E38M		
TP144	16-14 Max. Insul. Dia. Accom...180 Color Code: Blue	#4	0.22	0.11	0.61	0.17	BA14E4	Plier Type: Y1022, Y10D or Ratchet Tool: MR8891, MR8G96, MR15 MRE1022NV	BA14E4M	OEM175TFM with TFM1614NV Die	13/64"
TP146		#6	0.25	0.74	0.62	0.18	BA14E6		BA14E6M		
TP148		#6 - #8	0.31	0.85	0.70	0.26	BA14E8		BA14E8M		
TP1410		#8 - #10	0.31	0.85	0.70	0.26	BA14E10		BA14E10M		
TP1414		1/4	0.40	0.99	0.79	0.36	BA14E14		BA14E14M		
TP14516		5/16	0.53	1.15	0.88	0.45	BA14E516		BA14E516M		
TP1438		3/8	0.53	1.15	0.88	0.45	BA14E38		—		
TP106	12-10 Max. Insul. Dia. Accom...260 Color Code: Yellow	#6	0.31	0.68	0.75	0.20	BA10E6	Plier Type: Y1022, Y10D or Ratchet: MR8891, MR15, M8ND w/N10HET23 MRE1022NV	BA10E6M	OEM175TFM with TFM1210NV Die	19/64"
TP108		#6 - #8	0.36	1.00	0.81	0.26	BA10E8		BA10E8M		
TP1010		#8-#10	0.36	1.00	0.81	0.26	BA10E10		BA10E10M		
TP1014		1/4	0.53	1.22	0.95	0.40	BA10E14		BA10E14M		
TP10516		5/16	0.53	1.22	0.95	0.42	BA10E516		—		
TP1038		3/8	0.53	1.27	1.00	0.45	BA10E38		BA10E38M		
TP1012*		1/2	0.69	1.51	1.17	0.61	—		—		

* Not UL Listed or CSA Certified.

TYPES TN AND YAES

INSULUG™



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

600 Volts Max., 105° C Max

INSULUG™ type TN Nylon-insulated terminals are designed for heavy duty industrial, utility and military power and control-circuit applications for wire sizes 26 AWG through 10 AWG. They offer high dielectric strength and stability in oily conditions and meet military CLASS 1 and CLASS 2 requirements per SAE-AS25036 and the requirements of military specifications SAE-AS7928.

Features & Benefits

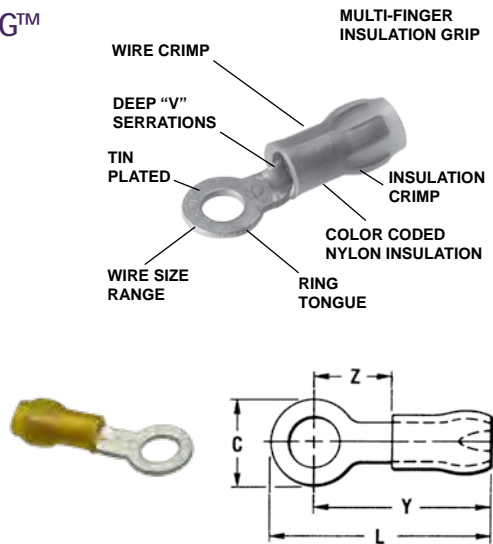
- Integral one-piece copper barrel / insulation grip and wire strain relief design for improved physical strength characteristics over a multi-piece design
- Manufactured of pure electrolytic copper for maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Brazed seam provides a stronger barrel design, minimizes any possible splitting and eliminated folding
- Deep inner barrel serrations and smooth funnel entry for excellent conductivity and pullout strength values along with easy wire insertion
- Insulation is locked in place, will not twist off, maintaining proper dielectric values
- Electro-tin plated for durable, long lasting resistance to corrosion
- Color-coded and clearly marked for quick, easy wire size identification
- Ring tongue provides a secure termination under the screw head that cannot be removed without complete removal of the screw, allowing two or more terminals to be stacked on a common stud

Catalog Number	Wire Range (AWG/kcmil)	Stud Size	SAE-25036	Dimensions				Bulk Catalog Number	Installation Tooling	Wire Strip Length
				C	L Max.	Y Max.	Z Max.			
TN184	22-18 Max. Insul. Dia. Accom.: .120 Color Code: Red	#3 - #4	-148	0.23	0.76	0.64	0.20	YAES18N48	Ratchet: MR883 MRE1022NV Non-Ratchet: Y10D, Y1022	7/32
TN186		#4 - #6	-101	0.25	0.76	0.64	0.20	YAES18N1		
TN186G1*		#4 - #6	-102	0.25	0.87	0.74	0.49	YAES18N2		
TN188		#6 - #8	-149	0.31	0.91	0.76	0.29	YAES18N49		
TN1810		#8 - #10	-103	0.31	0.91	0.76	0.29	YAES18N3		
TN1814		#12-1/4	-150	0.46	1.09	0.87	0.41	YAES18N50		
TN18516		5/16	-104	0.46	1.09	0.87	0.41	YAES18N4		
TN1838		3/8	-105	0.53	1.17	0.91	0.45	YAES18N5		
TN144	16-14 Max. Insul. Dia. Accom.: .153 Color Code: Blue	#3 - #4	-152	0.25	0.79	0.67	0.24	YAES14N52	Ratchet: MR883 MRE1022NV Non-Ratchet: Y10D, Y1022	7/32
TN146		#4 - #6	-106	0.25	0.79	0.67	0.24	YAES14N6		
TN146G1*		#4 - #6	-107	0.30	0.91	0.76	0.51	YAES14N7		
TN148		#6 - #8	-153	0.31	0.89	0.74	0.31	YAES14N53		
TN1410		#8 - #10	-108	0.31	0.89	0.74	0.31	YAES14N8		
TN1414		#12-1/4	-154	0.45	1.08	0.86	0.43	YAES14N54		
TN14516		5/16	-109	0.45	1.08	0.86	0.43	YAES14N9		
TN1438		3/8	-110	0.53	1.16	0.90	0.47	YAES14N10		
TN106	12-10 Max. Insul. Dia. Accom.: .210 Color Code: Yellow	#4 - #6	-111	0.37	1.12	0.94	0.26	YAES10N11	Ratchet: MR883 MRE1022NV Non-Ratchet: Y10D, Y1022	11/32
TN108		#6 - #8	-156	0.37	1.12	0.94	0.26	YAES10N56		
TN1010		#8 - #10	-112	0.37	1.12	0.94	0.26	YAES10N12		
TN1014		#12-1/4	-157	0.53	1.32	1.06	0.37	YAES10N57		
TN10516		5/16	-113	0.53	1.32	1.06	0.37	YAES10N13		
TN1038		3/8	-114	0.58	1.34	1.05	0.40	YAES10N14		
TN1012*		1/2	-158	0.69	1.51	1.18	0.61	YAES10N58		

* Not UL Listed or CSA Certified.

TYPE YAE-G

INSULUG™



600 Volts Max., 105° C Max.

INSULUG™ Type YAE-G nylon insulated terminals are designed with a multi-finger insulation grip for paper, EPR and other elastic or hard to grip insulations. The metal fingers firmly grip the insulation providing superior holding characteristics, cable support and strain relief. Type YAE-G terminals are rated 105° C and meet military standard AS25036 Class 2 and SAE-AS7928 requirements.

Features & Benefits

- Multi-finger insulation grip for superior holding characteristics, especially on EPR and other elastic-type insulations
- Brazed seam for stronger, more durable termination
- Manufactured of pure electrolytic copper providing maximum conductivity, low resistance, and ductility for excellent crimp forming properties
- Deep V groove, inner barrel serrations for optimum conductivity, reliability, and holding power
- Smooth funnel entry provides easy wire insertion

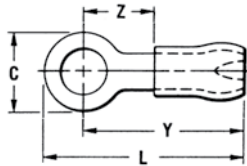
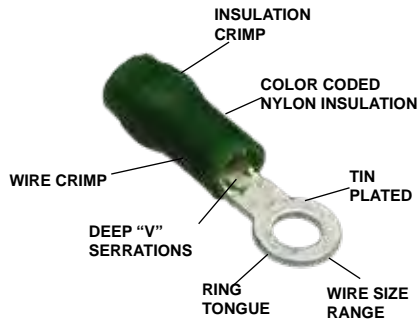
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (AWG/kcmil)	Stud Size	** SAE-AS25036-	Dimensions				Bulk Catalog Number	Installation Tooling	Tape Mounted Catalog Number 2000/Reel	Tape Fed Installation Tooling	Wire Strip Length
				C	L Max.	Y Max.	Z Max.					
YAE22G18BOX	26-20 Max. Insul. Dia. Accom.: .098 Color Code: Amber	#2	143	0.15	0.69	0.62	0.22	YAE22G18	M8ND with N14HET25V1 Die MR81A	YAE22G18M	OEM175TFM with TFM2218NV Die	5/32"
YAE22G12BOX		#1 - #2	—	0.25	0.74	0.62	0.22	YAE22G12		—		
YAE22G16BOX		#4	144	0.18	0.75	0.62	0.22	YAE22G16		YAE22G16M		
YAE22G13BOX		#4 - #6	145	0.25	0.74	0.62	0.22	YAE22G13		YAE22G13M		
YAE22G14BOX		#6 - #8	146	0.32	0.82	0.67	0.27	YAE22G14		—		
YAE22G15BOX		#8 - #10	147	0.32	0.83	0.67	0.27	YAE22G15		—		

* 1000/Box
** Class 2

TYPE YAE-N

INSULUG™



600 Volts Max., 105° C Max

INSULUG™ Type YAE-N nylon insulated terminals are designed with a multi-finger insulation grip for paper, EPR and other elastic or hard to grip insulations. The metal fingers firmly grip the insulation providing superior holding characteristics, cable support and strain relief. Type YAE-N terminals are rated 105° C and meet military standard AS25036 Class 2 and SAE-AS7928 requirements.

Features & Benefits

- Multi-finger insulation grip provides superior insulation holding characteristics, especially on EPR and other elastic-type insulations
- Brazed seam for a stronger, more durable termination
- Manufactured of pure electrolytic copper for maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Deep V groove, inner barrel serrations for optimum conductivity, reliability, and holding power
- Smooth funnel entry for easy wire insertion

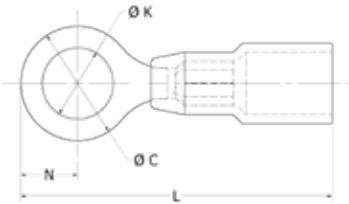
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	***SAE-AS25036	Dimensions				Bulk Catalog Number	Installation Tooling	Tape Mounted Catalog Number 2000/Reel	Tape Fed Installation Tooling	Wire Strip Length
				C	L Max.	Y Max.	Z Min.					
YAE18N26BOX	22 - 16	#4	—	0.22	0.78	0.70	0.19	YAE18N26	MR81A, MR833T1 (no extra dies required) M8ND with one of the following dies: N14HET25V1 N10ET9 N14HET15 N10ET23 or Y10D Y1022	YAE18N26M	OEM175TFM with TFM2218NV Die	3/16"
YAE18N21BOX		#4 #6	102	0.25	0.89	0.77	0.28	YAE18N21		YAE18N21M		
YAE18N1BOX		#8	149	0.31	0.92	0.79	0.28	YAE18N1		—		
YAE18N24BOX		#6 #8	—	0.28	0.90	0.77	0.28	YAE18N24		YAE18N24M		
YAE18NBOX		#8 #10	103 150	0.31	0.92	0.77	0.28	YAE18N		YAE18NM		
YAE18N2BOX		1/4	—	0.45	1.10	0.88	0.40	YAE18N2		YAE18N2M		
YAE18N3BOX		5/16	104	0.45	1.11	0.88	0.40	YAE18N3		YAE18N3M		
YAE18N15BOX		3/8	—	0.53	1.19	0.93	0.43	YAE18N15		YAE18N15M		
YAE14N43BOX	16 - 14	#4 #6	106 107	0.25	0.82	0.69	0.21	YAE14N43	MR81A, MR833T1 (no extra dies required) M8ND with one of the following dies: N14HET25V1 N10ET9 N14HET15 N10ET23 or Y10D Y1022	YAE14N43M	OEM175TFM with TFM1614NV Die	3/16"
YAE14N1BOX		#6 #8	153	0.31	0.92	0.75	0.28	YAE14N1		YAE14N1M		
YAE14NBOX		#8 #10	108	0.31	0.92	0.75	0.28	YAE14N		YAE14NM		
YAE14N2BOX		1/4	154	0.45	1.11	0.88	0.40	YAE14N2		YAE14N2M		
YAE14N3BOX		5/16	109	0.45	1.11	0.88	0.40	YAE14N3		YAE14N3M		
YAE14N4BOX		3/8	110	0.53	1.19	0.93	0.45	YAE14N4		YAE14N4M		
YAE12N9BOX	14 - 12	#6 #8	—	0.31	1.06	0.90	0.29	YAE12N9	MR81A, MR833T1 (no extra dies required) Y10D M8ND with N12HET1	YAE12N9M	OEM175TFM with TFM1210NV Die	21/64"
YAE12N1BOX		#6 #8	—	0.31	1.06	0.90	0.29	YAE12N1		YAE12N1M		
YAE12N2BOX		1/4	—	0.45	1.25	1.02	0.40	YAE12N2		YAE12N2M		
YAE12N7BOX		#5	—	0.31	1.06	0.90	0.29	YAE12N7		YAE12N7M		
YAE12NBOX		#8 #10	—	0.31	1.06	0.90	0.29	YAE12N		YAE12NM		
YAE10N5BOX	12 - 10	#4 #6	111	0.38	1.15	0.96	0.28	YAE10N5	MR833T1 (no extra dies required) M8ND with one of the following dies: N10HET15, N10ET9, N10ET23 Y10D Y1022	YAE10N5M	OEM175TFM with TFM1210NV Die	3/8"
YAE10N11BOX		#6 #8	156	0.38	1.17	0.98	0.30	YAE10N11		YAE10N11M		
YAE10NBOX		#8 #10	112	0.38	1.15	0.96	0.28	YAE10N		YAE10NM		
YAE10N3BOX		1/4	157	0.54	1.39	1.12	0.44	YAE10N3		YAE10N3M		
YAE10N2BOX		5/16	113	0.54	1.39	1.12	0.44	YAE10N2		YAE10N2M		
YAE10N4BOX		3/8	114	0.54	1.39	1.12	0.44	YAE10N4		YAE10N4M		
YAE10N79BOX*		1/2	—	0.72	1.50	1.20	0.58	—		—		

* Not UL Listed or CSA Certified.

TYPE YHSA

HYDENT™



Copper Conductor; -55° through 110° C

Standard crimp terminals leave the wire exposed allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

Features & Benefits

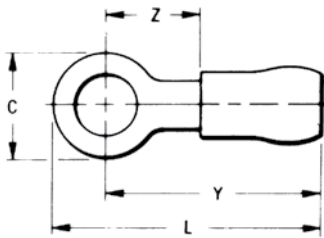
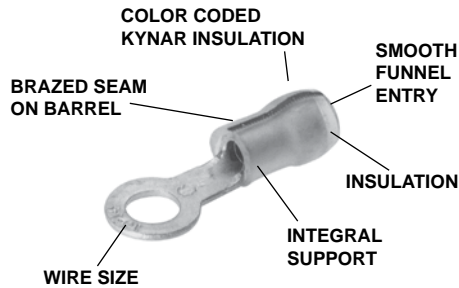
- Made from pure copper, annealed for maximum strength
- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog No. (100/bag)	Catalog No. (20/bag)	Stud Size	Conductor Size	Dimensions					Installation Tooling	Wire Strip Length
				C	K	L	N	Tongue Thickness		
YHSA18K6	YHSA18K6RK	4-6	22-18 AWG	0.29	0.14	1.18	0.14	0.03	MR22	5/16
YHSA18K8	YHSA18K8RK	6-8	22-18 AWG	0.32	0.17	1.18	0.17	0.03	MR22	5/16
YHSA18K10	YHSA18K10RK	8-10	22-18 AWG	0.32	0.20	1.18	0.33	0.03	MR22	5/16
YHSA18K14	YHSA18K14RK	1/4	22-18 AWG	0.47	0.27	1.40	0.38	0.03	MR22	5/16
YHSA18K516	YHSA18K516RK	5/16	22-18 AWG	0.47	0.33	1.40	0.23	0.04	MR22	5/16
YHSA18K38	YHSA18K38RK	3/8	22-18 AWG	0.56	0.40	1.45	0.28	0.03	MR22	5/16
YHSA14K6	—	4-6	16-14 AWG	0.30	0.14	1.18	0.15	0.04	MR22	5/16
YHSA14K8	YHSA14K8RK	6-8	16-14 AWG	0.32	0.17	1.18	0.16	0.03	MR22	5/16
YHSA14K10	YHSA14K10RK	8-10	16-14 AWG	0.32	0.20	1.18	0.17	0.03	MR22	5/16
YHSA14K14	YHSA14K14RK	1/4	16-14 AWG	0.47	0.26	1.40	0.23	0.03	MR22	5/16
YHSA14K516	—	5/16	16-14 AWG	0.47	0.33	1.35	0.23	0.04	MR22	5/16
YHSA14K38	YHSA14K38RK	3/8	16-14 AWG	0.56	0.40	1.45	0.28	0.03	MR22	5/16
YHSA10K6	—	4-6	12-10 AWG	0.34	0.14	1.15	0.17	0.04	MR22	5/16
YHSA10K8	—	6-8	12-10 AWG	0.34	0.17	1.15	0.17	0.04	MR22	5/16
YHSA10K10	YHSA10K10RK	8-10	12-10 AWG	0.34	0.20	1.15	0.18	0.04	MR22	5/16
YHSA10K14	YHSA10K14RK	1/4	12-10 AWG	0.56	0.26	1.45	0.15	0.04	MR22	5/16
YHSA10K516	—	5/16	12-10 AWG	0.56	0.34	1.45	0.28	0.04	MR22	5/16
YHSA10K38	YHSA10K38RK	3/8	12-10 AWG	0.56	0.40	1.45	0.28	0.04	MR22	5/16
YHSA10K12	YHSA10K12RK	1/2	12-10 AWG	0.69	0.53	1.69	0.36	0.04	MR22	5/16

TYPE YAES-K

INSULUG™



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

KYNAR - is a registered trademark of the Penwalt Corp. for Polyvinylidene Fluoride (PVF₂)
HYPALON - Is a registered trademark of the E.I. DuPont deNemours & Co., Inc.

200 Megarads., -60° through 150°C, 600 Volts

Type YAES-K, radiation resistant insulated terminals are designed and have been tested to meet the requirements for class 1E critical circuits as set by the Nuclear Regulatory Commission (NRC). Additional testing for compatibility under loss of coolant accident (LOCA) conditions with cross-link polyethylene (XLP) and HYPALON® insulations was completed successfully. Compatibility with ethylene propylene rubber (EPR) insulation was determined by analysis. Each terminal is manufactured of pure electrolytic copper per QQ-C 576 and bright tin-plated per MIL-T-10727 and meets or exceeds MIL-T-7928 using stranded copper AWG wire. The KYNAR® insulation offers 200 megarad radiation resistance.

The Type YAES-K radiation resistant insulated terminals are suitable for class 1E critical circuits and non-critical nuclear associated applications.

Features & Benefits

- Insulation provides 200 megarad radiation resistance plus successfully tested for insulation compatibility
- An integral one-piece copper barrel/insulation grip and wire strain relief design provides improved physical strength characteristics over a multi-piece design
- The insulation is locked in place and will not move or twist off, thereby maintains proper dielectric values
- Manufactured from pure electrolytic copper to provide maximum conductivity, low resistance and ductility for excellent crimp forming properties.
- Bright tin-plated per MIL-T-10727 for durable long-lasting resistance to corrosion
- Deep inner barrel serrations provides excellent electrical conductivity and tensile strength values
- Brazed seam gives a stronger barrel design to minimize any possible splitting and eliminates folding
- Smooth funnel entry for easy wire insertion
- Color coded terminals provides easy wire size identification and inspection
- Coded raised dots in the die area of the connection after compression for visual identification that the correct tool and die were used for proper installation
- Inspection hole gives an additional visual check to ensure proper wire insertion
- Ring tongue design provides a secure termination under screw head that cannot be removed without the complete removal of the screw
- Multiple terminals may be stacked on a common stud easily providing flexibility and versatility

Small Terminals

Radiation Resistant Insulated
Compression Ring Terminals

TYPE YAES-K (Continued)

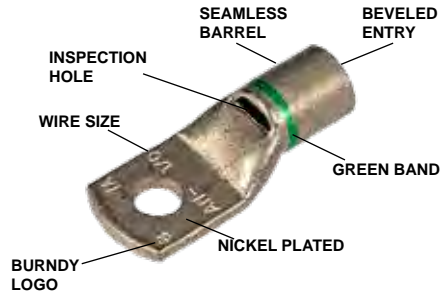


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Stud Size	Conductor Size	Dimensions				Installation Tooling	Wire Strip Length
			C	L Max.	Y Max.	Z Max.		
YAES18K1	#6	22-18 AWG str. Max. Insul. Dia. Accom.: 0.12 Color Code: Red	0.23	0.76	0.64	0.20	Ratchet Tool: MR10G6 Crimp Mark: (1) Small Dot Red Groove Calibration Gauge: PG3731	7/32"
YAES18K2	#6		0.25	0.87	0.74	0.29		
YAES18K49	#8		0.32	0.91	0.76	0.29		
YAES18K3	#10		0.32	0.91	0.76	0.29		
YAES18K50	1/4		0.46	1.09	0.86	0.41		
YAES18K4	5/16		0.46	1.09	0.87	0.41		
YAES18K5	3/8		0.54	1.17	0.91	0.45		
YAES14K6	#6	16-14 AWG str. Max. Insul. Dia. Accom.: 0.15 Stock Thickness: 0.03 Color Code: Blue	0.26	0.77	0.65	0.22	Ratchet Tool: MR10G6 Crimp Mark: (2) Small Dots Blue Groove Calibration Gauge: PG3711	7/32"
YAES14K7	#6		0.32	0.91	0.76	0.29		
YAES14K53	#8		0.32	0.91	0.76	0.29		
YAES14K8	#10		0.32	0.91	0.76	0.29		
YAES14K54	1/4		0.46	1.09	0.86	0.41		
YAES14K9	5/16		0.46	1.09	0.86	0.41		
YAES14K10	3/8		0.53	1.18	0.91	0.45		
YAES10K11	#6	12-10 AWG str. Max. Insul. Dia. Accom.: 0.21 Stock Thickness: 0.04 Color Code: Yellow	0.38	1.12	0.94	0.26	Ratchet Tool: MR10G6 Crimp Mark: (1) Large Dot Calibration Gauge: PG3721	3/8"
YAES10K11T1	#6		0.31	1.09	0.94	0.26		
YAES10K56	#8		0.38	1.12	0.94	0.26		
YAES10K12	#10		0.38	1.12	0.94	0.26		
YAES10K57	1/4		0.54	1.32	1.06	0.37		
YAES10K13	5/16		0.54	1.32	1.06	0.37		
YAES10K14	3/8		0.58	1.34	1.05	0.40		
YAES10K58	1/2		0.72	1.41	1.06	0.45		

TYPE YAV

HYLUG™



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



HYLUG™ type YAV is a seamless, heavy duty uninsulated compression ring tongue terminal manufactured from pure electrolytic copper tubing and is for use on copper commercial (code) cable, type AN aircraft cable and extra flexible conductors. Because of its seamless design, the YAV HYLUG™ also accommodates solid conductors.

The seamless tubing produces a double thick tongue and a strong terminal for demanding applications that require high reliability. Applications include industrials, hospitals, electric utilities, aircraft, shipboard and marine, computers, steel mills, mining equipment and other equipment that is subject to vibration or requiring dependable electrical performance. The YAV HYLUG™ terminals meet the requirements of SAE-AS7928.

Features & Benefits

- Nickel plated for high temperature applications up to 650° F continuous service and 750° F intermittent service
- Provided with green band per AS20659 Revision F
- Manufactured from seamless pure electrolytic copper tubing to provide maximum conductivity, low resistance, and excellent ductility for crimping
- Double thick tongue provides a structurally strong terminal tongue
- Produced from tubular copper, extra copper material assures the compression terminal will operate cooler than the conductors it connects
- Internally beveled barrel for easy cable entry, especially for flexible conductors
- Inspection hole provides easy visual check for proper conductor insertion

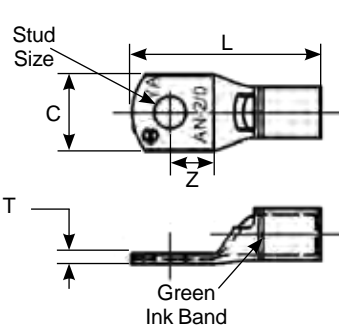


Figure 1
(straight)

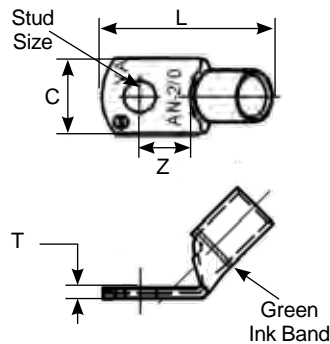


Figure 2
(45°)

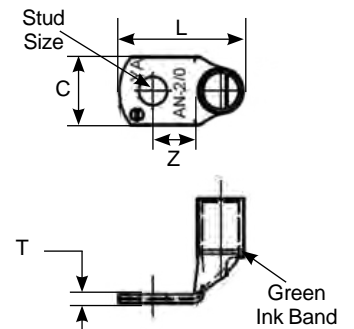
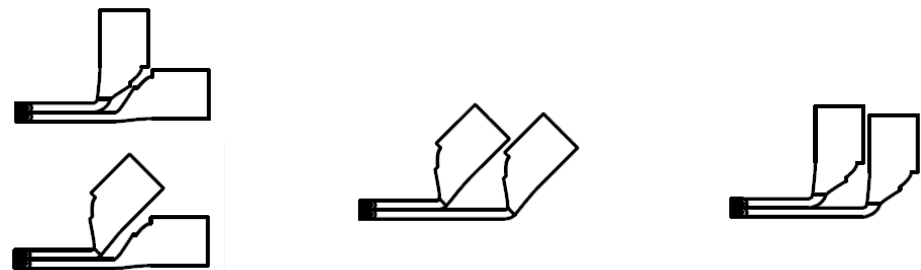


Figure 3
(90°)

Note:

Bottom Stack Options
(see Config "A", "B", or "C" bottom lug) may be available, please contact technical service.

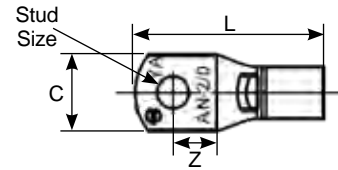


Small Terminals

Nickel Plated, SAE AS20659 Green Banded
Compression Ring Tongue Terminals

TYPE YAV (Continued)

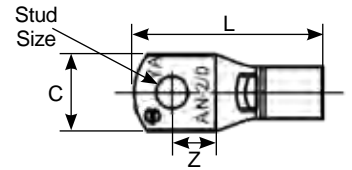
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	SAE-AS20659	Copper Conductor		Fig. #	Stud Size	Dimensions				Installation Tooling (# crimps)					Wire Strip Length
		Code AWG	Aircraft Cable			C	L	T	Z	Die Index	Die Type	Y29 Series	35, 750 Series	Dieless Tools	
YAV10265	265	10-12	AN 12-10	1	#6	0.30	0.83	0.07	0.24	—	—	—	—	MR89Q (1)	7/16"
YAV1026545	—			2			0.94								
YAV1026590	—			3			0.58								
YAV10205	205	10-12	AN 12-10	1	#10	0.38	0.88	0.06	0.26	—	—	—	—	MR89Q (1)	7/16"
YAV1020545	—			2			0.96								
YAV1020590	—			3			0.62								
YAV10270	270	10-12	AN 12-10	1	1/4	0.47	1.06	0.05	0.34	—	—	—	—	MR89Q (1)	7/16"
YAV1027045	—			2			1.09								
YAV1027090	—			3			0.75								
YAV10206	206	10-12	AN 12-10	1	5/16	0.53	1.03	0.04	0.31	—	—	—	—	MR89Q (1)	7/16"
YAV1020645	—			2			1.06								
YAV1020690	—			3			0.75								
YAV10228	228	10-12	AN 12-10	1	3/8	0.56	1.08	0.04	0.37	—	—	—	—	MR89Q (1)	7/16"
YAV1022845	—			2			1.13								
YAV1022890	—			3			0.82								
YAV10266	266	10-12	AN 12-10	1	1/2	0.72	1.66	0.04	0.38	—	—	—	—	MR89Q (1)	7/16"
YAV1026645	—			2			1.22								
YAV1026690	—			3			0.91								
YAV8CL240	240	8	AN 8	1	#8	0.41	1.09	0.08	0.28	38	Nest Indentor	DV8L1 UV8L	Y29PL Y34PL	MY28, MY2911 (1)	1/2"
YAV8CL24045	—			2			1.12								
YAV8CL24090	—			3			0.68								
YAV8CL207	207	8	AN 8	1	#10	0.41	1.09	0.08	0.28	38	Nest Indentor	DV8L1 UV8L	Y29PL Y34PL	MY28, MY2911 (1)	1/2"
YAV8CL20745	—			2			1.15								
YAV8CL20790	—			3			0.71								
YAV8CL241	241	8	AN 8	1	1/4	0.46	1.16	0.07	0.33	38	Nest Indentor	DV8L1 UV8L	Y29PL Y34PL	MY28, MY2911 (1)	1/2"
YAV8CL24145	—			2			1.17								
YAV8CL24190	—			3			0.77								
YAV8CL208	208	8	AN 8	1	5/16	0.57	1.24	0.06	0.35	38	Nest Indentor	DV8L1 UV8L	Y29PL Y34PL	MY28, MY2911 (1)	1/2"
YAV8CL20845	—			2			1.25								
YAV8CL20890	—			3			0.84								
YAV8CL229	229	8	AN 8	1	3/8	0.57	1.24	0.06	0.35	38	Nest Indentor	DV8L1 UV8L	Y29PL Y34PL	MY28, MY2911 (1)	1/2"
YAV8CL22945	—			2			1.25								
YAV8CL22990	—			3			0.84								
YAV8CL242	242	8	AN 8	1	1/2	0.73	1.46	0.04	0.48	38	Nest Indentor	DV8L1 UV8L	Y29PL Y34PL	MY28, MY2911 (1)	1/2"
YAV8CL24245	—			2			1.44								
YAV8CL24290	—			3			1.06								
YAV6CL230	230	6	AN 6	1	#10	0.48	1.25	0.08	0.29	39	Nest Indentor	DV6L Y29PL	UV6L Y34PLA	MY28, MY2911 (1)	1/2"
YAV6CL23045	—			2			1.27								
YAV6CL23090	—			3			0.77								
YAV6CL209	209	6	AN 6	1	1/4	0.48	1.25	0.08	0.29	39	Nest Indentor	DV6L Y29PL	UV6L Y34PLA	MY28, MY2911 (1)	1/2"
YAV6CL20945	—			2			1.27								
YAV6CL20990	—			3			0.77								
YA6CL231	231	6	AN 6	1	5/16	0.49	1.37	0.06	0.36	39	Nest Indentor	DV6L Y29PL	UV6L Y34PLA	MY28, MY2911 (1)	1/2"
YAV6CL23145	—			2			1.35								
YAV6CL23190	—			3			0.89								

TYPE YAV (Continued)

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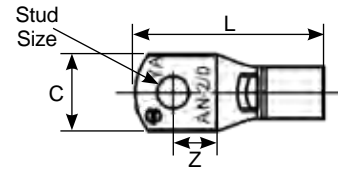
Catalog Number	SAE-AS20659	Copper Conductor		Fig. #	Stud Size	Dimensions				Installation Tooling (# crimps)					Wire Strip Length
		Code AWG	Aircraft Cable			C	L	T	Z	Die Index	Die Type	Y29 Series	35, 750 Series	Dieless Tools	
YAV6CL210	210	6	AN 6	1	3/8	0.60	1.37	0.06	0.36	39	Nest Indentor	DV6L Y29PL	UV6L Y34PLA	MY28, MY2911 (1)	1/2"
YAV6CL21045	—			2			1.35								
YAV6CL21090	—			3			0.89								
YAV6CL243	243	6	AN 6	1	1/2	0.74	1.58	0.05	0.49	39	Nest Indentor	DV6L Y29PL	UV6L Y34PLA	MY28, MY2911 (1)	1/2"
YAV6CL24345	—			2			1.54								
YAV6CL24390	—			3			1.09								
YAV4CL244	244	4	AN 4	1	#10	0.55	1.31	0.08	0.28	40	Nest Indentor	DV4L Y29PL	UV4L Y34PLA	MY28, MY2911 (1)	1/2"
YAV4CL24445	—			2			1.30								
YAV4CL24490	—			3			0.80								
YAV4CL211	211	4	AN 4	1	1/4	0.55	1.31	0.08	0.28	40	Nest Indentor	DV4L Y29PL	UV4L Y34PLA	MY28, MY2911 (1)	1/2"
YAV4CL21145	—			2			1.30								
YAV4CL21190	—			3			0.80								
YAV4CL232	232	4	AN 4	1	5/16	0.63	1.42	0.08	0.34	40	Nest Indentor	DV4L Y29PL	UV4L Y34PLA	MY28, MY2911 (1)	1/2"
YAV4CL23245	—			2			1.42								
YAV4CL23290	—			3			0.92								
YAV4CL212	212	4	AN 4	1	3/8	0.63	1.42	0.08	0.34	40	Nest Indentor	DV4L Y29PL	UV4L Y34PLA	MY28, MY2911 (1)	1/2"
YAV4CL21245	—			2			1.42								
YAV4CL21290	—			3			0.92								
YAV4CL245	245	4	AN 4	1	1/2	0.73	1.62	0.06	0.47	40	Nest Indentor	DV4L Y29PL	UV4L Y34PLA	MY28, MY2911 (1)	1/2"
YAV4CL24545	—			2			1.59								
YAV4CL24590	—			3			1.11								
YAV2CL246	246	2	AN 2	1	#10	0.60	1.66	0.10	0.35	41	Nest Indentor	DV2L Y29PL	UV2L Y34PLA	MY28, MY2911 (1)	5/8"
YAV2CL24645	—			2			1.66								
YAV2CL24690	—			3			1.02								
YAV2CL213	213	2	AN 2	1	1/4	0.60	1.66	0.10	0.35	41	Nest Indentor	DV2L Y29PL	UV2L Y34PLA	MY28, MY2911 (1)	5/8"
YAV2CL21345	—			2			1.66								
YAV2CL21390	—			3			1.02								
YAV2CL247	247	2	AN 2	1	5/16	0.60	1.66	0.10	0.35	41	Nest Indentor	DV2L Y29PL	UV2L Y34PLA	MY28, MY2911 (1)	5/8"
YAV2CL24745	—			2			1.66								
YAV2CL24790	—			3			1.02								
YAV2CL214	214	2	AN 2	1	3/8	0.60	1.66	0.10	0.35	41	Nest Indentor	DV2L Y29PL	UV2L Y34PLA	MY28, MY2911 (1)	5/8"
YAV2CL21445	—			2			1.66								
YAV2CL21490	—			3			1.02								
YAV2CL248	248	2	AN 2	1	7/16	0.60	1.82	0.09	0.47	41	Nest Indentor	DV2L Y29PL	UV2L Y34PLA	MY28, MY2911 (1)	5/8"
YAV2CL24845	—			2			1.80								
YAV2CL24890	—			3			1.17								
YAV2CL233	233	2	AN 2	1	1/2	0.60	1.82	0.09	0.47	41	Nest Indentor	DV2L Y29PL	UV2L Y34PLA	MY28, MY2911 (1)	5/8"
YAV2CL23345	—			2			1.80								
YAV2CL23390	—			3			1.17								
YAV1CL215	215	1	AN 1	1	1/4	0.76	1.78	0.12	0.38	41	Nest Indentor	DV1L Y29PL	UV1L Y34PLA	MY28, MY2911 (1)	5/8"
YAV1CL21545	—			2			1.80								
YAV1CL21590	—			3			1.12								
YAV1CL249	249	1	AN 1	1	5/16	0.76	1.78	0.12	0.38	41	Nest Indentor	DV1L Y29PL	UV1L Y34PLA	MY28, MY2911 (1)	5/8"
YAV1CL24945	—			2			1.80								
YAV1CL24590	—			3			1.12								

Small Terminals

Nickel Plated, SAE AS20659 Green Banded
Compression Ring Tongue Terminals

TYPE YAV (Continued)

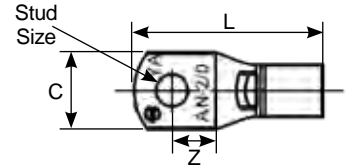
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Catalog Number	SAE-AS20659	Copper Conductor		Fig. #	Stud Size	Dimensions				Installation Tooling (# crimps)					Wire Strip Length
		Code AWG	Aircraft Cable			C	L	T	Z	Die Index	Die Type	Y29 Series	35, 750 Series	Dieless Tools	
YAV1CL216	216	1	AN 1	1	3/8	0.76	1.78	0.12	0.38	41	Nest Indentor	DV1L Y29PL	UV1L Y34PLA	MY28, MY2911 (1)	5/8"
YAV1CL21645	—			2			1.80								
YAV1CL21690	—			3			1.12								
YAV1CL250	250	1	AN 1	1	7/16	0.86	1.91	0.11	0.47	41	Nest Indentor	DV1L Y29PL	UV1L Y34PLA	MY28, MY2911 (1)	5/8"
YAV1CL25045	—			2			1.92								
YAV1CL25090	—			3			1.26								
YAV1CL234	234	1	AN 1	1	1/2	0.84	1.91	0.11	0.47	41	Nest Indentor	DV1L Y29PL	UV1L Y34PLA	MY28, MY2911 (1)	5/8"
YAV1CL23445	—			2			1.92								
YAV1CL23490	—			3			1.26								
YAV25L217	217	1/0	AN 1/0	1	1/4	0.83	1.97	0.12	0.43	43	Nest Indentor	DV25L Y29PR	UV25L Y34PA	MY28, MY2911 (1)	11/16"
YAV25L21745	—			2			1.97								
YAV25L21790	—			3			1.23								
YAV25L251	251	1/0	AN 1/0	1	5/16	0.83	1.97	0.12	0.43	43	Nest Indentor	DV25L Y29PR	UV25L Y34PA	MY28, MY2911 (1)	11/16"
YAV25L25145	—			2			1.97								
YAV25L25190	—			3			1.23								
YAV25L218	218	1/0	AN 1/0	1	3/8	0.83	1.97	0.12	0.43	43	Nest Indentor	DV25L Y29PR	UV25L Y34PA	MY28, MY2911 (1)	11/16"
YAV25L21845	—			2			1.97								
YAV25L21890	—			3			1.23								
YAV25L252	252	1/0	AN 1/0	1	7/16	0.88	2.03	0.11	0.47	43	Nest Indentor	DV25L Y29PR	UV25L Y34PA	MY28, MY2911 (1)	11/16"
YAV25L25245	—			2			2.01								
YAV25L25290	—			3			1.29								
YAV25L235	235	1/0	AN 1/0	1	1/2	0.88	2.03	0.11	0.47	43	Nest Indentor	DV25L Y29PR	UV25L Y34PA	MY28, MY2911 (1)	11/16"
YAV25L23545	—			2			2.01								
YAV25L23590	—			3			1.29								
YAV26L253	253	2/0	AN 2/0	1	1/4	0.93	2.26	0.13	0.49	44	Nest Indentor	DV26L Y29PR	UV26L Y34PA	MY28, MY2911 (1)	13/16"
YAV26L25345	—			2			2.22								
YAV26L25390	—			3			1.38								
YAV26L219	219	2/0	AN 2/0	1	5/16	0.93	2.26	0.13	0.49	44	Nest Indentor	DV26L Y29PR	UV26L Y34PA	MY28, MY2911 (1)	13/16"
YAV26L21945	—			2			2.22								
YAV26L21990	—			3			1.38								
YAV26L220	220	2/0	AN 2/0	1	3/8	0.93	2.26	0.13	0.49	44	Nest Indentor	DV26L Y29PR	UV26L Y34PA	MY28, MY2911 (1)	13/16"
YAV26L22045	—			2			2.22								
YAV26L22090	—			3			1.38								
YAV26L254	254	2/0	AN 2/0	1	7/16	0.93	2.26	0.13	0.49	44	Nest Indentor	DV26L Y29PR	UV26L Y34PA	MY28, MY2911 (1)	13/16"
YAV26L25445	—			2			2.22								
YAV26L25490	—			3			1.38								
YAV26L236	236	2/0	AN 2/0	1	1/2	0.93	2.26	0.13	0.49	44	Nest Indentor	DV26L Y29PR	UV26L Y34PA	MY28, MY2911 (1)	13/16"
YAV26L23645	—			2			2.22								
YAV26L23690	—			3			1.38								
YAV27L255	255	3/0	AN 3/0	1	5/16	1.03	2.39	0.14	0.53	45	Nest Indentor	DV27L Y29PR	UV27L Y34PA	MY28, MY2911 (1)	13/16"
YAV27L25545	—			2			2.37								
YAV27L25590	—			3			1.50								
YAV27L221	221	3/0	AN 3/0	1	3/8	1.03	2.39	0.14	0.53	45	Nest Indentor	DV27L Y29PR	UV27L Y34PA	MY28, MY2911 (1)	13/16"
YAV27L22145	—			2			2.37								
YAV27L22190	—			3			1.50								

TYPE YAV (Continued)

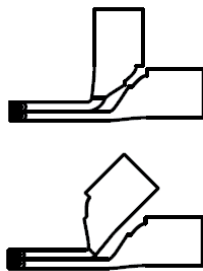
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Catalog Number	SAE-AS20659	Copper Conductor		Fig. #	Stud Size	Dimensions				Installation Tooling (# crimps)					Wire Strip Length
		Code AWG	Aircraft Cable			C	L	T	Z	Die Index	Die Type	Y29 Series	35, 750 Series	Dieless Tools	
YAV27L256	256	3/0	AN 3/0	1	7/16	1.03	2.39	0.14	0.53	45	Nest Indentor	DV27L Y29PR	UV27L Y34PA	MY28, MY2911 (1)	13/16"
YAV27L25645	—			2			2.37								
YAV27L25690	—			3			1.50								
YAV27L222	222	3/0	AN 3/0	1	1/2	1.03	2.39	0.14	0.53	45	Nest Indentor	DV27L Y29PR	UV27L Y34PA	MY28, MY2911 (1)	7/8"
YAV27L22245	—			2			2.37								
YAV27L22290	—			3			1.50								
YAV28L257	257	4/0	AN 4/0	1	5/16	1.12	2.66	0.15	0.61	46	Nest Indentor	DV28L Y29PR	UV28L Y34PA	MY28, MY2911 (1)	7/8"
YAV28L25745	—			2			2.61								
YAV28L25790	—			3			1.67								
YAV28L223	223	4/0	AN 4/0	1	3/8	1.12	2.66	0.15	0.61	46	Nest Indentor	DV28L Y29PR	UV28L Y34PA	MY28, MY2911 (1)	7/8"
YAV28L22345	—			2			2.61								
YAV28L22390	—			3			1.67								
YAV28L258	258	4/0	AN 4/0	1	7/16	1.12	2.66	0.15	0.61	46	Nest Indentor	DV28L Y29PR	UV28L Y34PA	MY28, MY2911 (1)	7/8"
YAV28L25845	—			2			2.61								
YAV28L25890	—			3			1.67								
YAV28L224	224	4/0	AN 4/0	1	1/2	1.12	2.66	0.15	0.61	46	Nest Indentor	DV28L Y29PR	UV28L Y34PA	MY28, MY2911 (1)	7/8"
YAV28L22445	—			2			2.61								
YAV28L22490	—			3			1.67								
YAV28L259	259	4/0	AN 4/0	1	5/8	1.12	2.66	0.15	0.61	46	Nest Indentor	DV28L Y29PR	UV28L Y34PA	MY28, MY2911 (1)	7/8"
YAV28L25945	—			2			2.61								
YAV28L25990	—			3			1.67								
YAV28L260	260	4/0	AN 4/0	1	3/4	1.23	2.89	0.14	0.78	46	Nest Indentor	DV28L Y29PR	UV28L Y34PA	MY28, MY2911 (1)	7/8"
YAV28L26045	—			2			2.84								
YAV28L26090	—			3			1.90								
YAV28L237	237	4/0	AN 4/0	1	7/8	1.23	2.89	0.14	0.78	46	Nest Indentor	DV28L Y29PR	UV28L Y34PA	MY28, MY2911 (1)	7/8"
YAV28L23745	—			2			2.84								
YAV28L23790	—			3			1.90								

Note:

Bottom Stack Options (see Config "A", "B", or "C" bottom lug) may be available, please contact technical service.



Config A
(top: 90/straight)
(bottom: 45/straight)



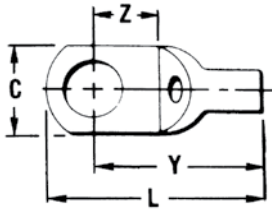
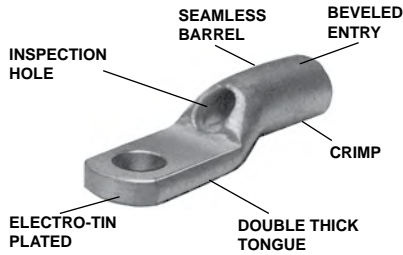
Config B
(45/45)



Config C
(90/90)

TYPES YAV / YAV-BOX

HYLUG™



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

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The seamless tubing produces a double thick tongue and a strong connector for demanding applications that require high reliability. Applications include industrials, hospitals, electric utilities, aircraft, shipboard and marine, computers, steel mills, mining equipment and other equipment that is subject to vibration or requiring dependable electrical performance. The YAV HYLUG™ terminals meet the requirements of SAE-AS7928.

Features & Benefits

- Manufactured from seamless pure electrolytic copper tubing to provide maximum conductivity, low resistance and excellent ductility for crimping
- Seamless tubular crimp barrel design — No seams to split resulting in a very high quality electrical connection, also can be used on solid conductor
- Double thick tongue structurally a very strong terminal tongue
- Produced from tubular copper, extra copper material assures the compression connector will operate cooler than the conductors it connects
- Internally beveled barrel for easy cable entry, especially for flexible conductors
- Inspection hole provides easy visual check for proper conductor insertion
- Electro-tin plated for a long lasting durable corrosion resistance

Catalog Number	Wire Range	Stud Size	SAE-AS25036	Dimensions				Bulk Catalog Number	Installation Tooling	Wire Strip Length
				C	L Max.	Y Max.	Z Min.			
YAV18T4BOX	22-18 Str. and Sol.	3,4	—	0.19	0.59	0.54	0.16	YAV18T4	Non-Ratchet: Y10D, Y1022 Ratchet: MR8G98, MR89Q, Y8MRB1, MR20, MRE1022B	9/32"
YAV18L33BOX		4-6	—	0.25	0.63	0.55	0.18	YAV18L33		
YAV18T5BOX		6-8	—	0.31	0.76	0.61	0.24	YAV18T5		
YAV18T1BOX		8-10	—	0.31	0.76	0.61	0.24	YAV18T1		
YAV18BOX		8-10	—	0.31	0.76	0.61	0.24	YAV18		
YAV14L33BOX	20-14 Str.	4-6	—	0.25	0.67	0.59	0.18	YAV14L33	Non-Ratchet: Y10D, Y1022 Ratchet: MR8G98, MR89Q, Y8MRB1, MR20, MRE1022B	9/32"
YAV14T5BOX		6-8	—	0.31	0.79	0.64	0.24	YAV14T5		
YAV14T1BOX		8-10	—	0.29	0.70	0.59	0.18	YAV14L36		
YAV14L36BOX	20-12 Sol.	8-10	—	0.29	0.79	0.64	0.24	YAV14	Non-Ratchet: Y10D, Y1022 Ratchet: MR8G98, MR89Q, Y8MRB1, MR20, MRE1022B	9/32"
YAV14BOX		1/4	—	0.40	0.99	0.75	0.32	YAV14T2		
YAV14T2BOX		5/16	—	0.44	0.99	0.75	0.32	YAV14T3		
YAV14T3BOX		8-10	—	0.30	0.78	0.67	0.24	YAV12G2		
YAV12G2BOX ■	† 14-12 Str.	8-10	—	0.30	0.78	0.67	0.24	YAV12G2	Y10D, Y8MRB1, M8ND w/N14HT	9/32"
YAV12G3BOX ■		1/4	—	0.34	1.00	0.76	0.33	YAV12G3		
YAV10T7BOX	14 Str. 12-10 Str. and Sol.	4-6	165	0.28	0.93	0.78	0.24	YAV10T7*	Non-Ratchet: Y10D, Y1022 Ratchet: MR8G98, MR89Q, Y8MRB1, MR20, N10HT, N10HT24, MRE1022B	7/16"
YAV10T11BOX		6-8	—	0.38	0.93	0.79	0.26	YAV10T11		
YAV10L36BOX		8-10	—	0.29	0.86	0.71	0.23	YAV10L36		
YAV10BOX		8-10	105	0.36	0.97	0.79	0.25	YAV10*		
YAV10T3BOX		1/4	—	0.45	1.10	0.87	0.32	YAV10T3		
YAV10T2BOX		5/16	106	0.53	1.13	0.87	0.31	YAV10T2*		
YAV10T4BOX		3/8	128	0.53	1.20	0.88	0.36	YAV10T4*		
YAV9CL36BOX	10-9 Str.	8-10	—	0.31	0.94	0.83	0.15	YAV9CL36	Ratchet: MR89Q, Y8MRB1	7/16"
YAV9CT9BOX		1/4	—	0.44	1.15	0.95	0.31	YAV9CT9		
YAV9CT4BOX		5/16	—	0.52	1.23	1.02	0.36	YAV9CT4		

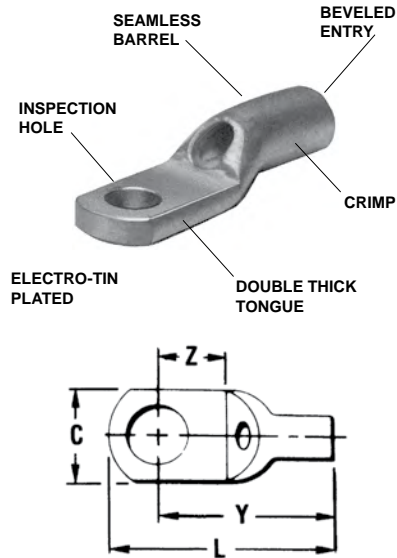
■ Use #14 groove

† UL Listed for 14 Str. to #10 Sol. & Str. when installed with MR8G98 and Y8MRB1 tools only.

* Class 1 & 2 connectors

TYPES YAV-L / YAV-LBOX

HYLUG™



HYLUG™ Type YAV is a seamless, heavy duty uninsulated compression terminal manufactured from electrolytic copper and is for use on Type AN aircraft cable, extra flexible conductors and commercial (code) conductors. The seamless tubing produces a double thick tongue and seamless barrel design provides a strong connector for demanding applications requiring high reliability.

Applications include aircraft, industrials, hospitals, electric utilities, marine, computers, and other equipment subject to vibration or requiring dependable electrical performance. The YAV HYLUG™ terminals meet the requirements of SAE-AS7928 and are listed per AS20659 for use with copper aircraft cable constructed in accordance with SAE-AS29606.

The benefits of YAV-L connectors are the same as YAV connectors for stranded conductors



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (AWG/kcmil)	Stud Size	SAE - AS20659 Dash No. †	Dimensions (Inches)				Bulk Catalog Number	Installation Tooling				Wire Strip Length	
				C	L Max.	Y Max.	Z Max.		HYTOOL™ ■	Die Index	HYPRESS™			
											Y29 Series	35, 750 Series ▲		
YAV8CLBOX	8 Aircraft AN 8 Flex	8-10	-107	0.41	1.15	0.94	0.28	YAV8CL●	Non-Ratchet: MY29-1 Ratchet: MR4C, MR89Q, Y8MRB1, M8ND w/ N8CT Die Set	38	DV8L1 Nest Y29PL Indentor (1) Crimp	UV8L Nest Y34PL Indentor (1) Crimp	1/2"	
YAV8CL1BOX		1/4	-141	0.46	1.22	0.99	0.32							YAV8CL1●
YAV8CL2BOX		5/16	-108	0.57	1.30	1.01	0.34							YAV8CL2
YAV8CL3BOX		3/8	-129	0.57	1.30	1.01	0.34							YAV8CL3●
YAV8CL4BOX		1/2	-142	0.73	1.52	1.14	0.48							YAV8CL4●
YAV6CL1BOX	5 & 6 Aircraft AN 5 & 6 Flex	8-10	-130	0.46	1.31	1.06	0.29	YAV6CL1●	Non-Ratchet: MY28, MY2911 Ratchet: MR4C	39	DV6L Nest Y29PL Indentor (1) Crimp	UV6L Nest Y34PLA Indentor (1) Crimp	1/2"	
YAV6CLBOX		1/4	-109	0.50	1.28	1.06	0.29							YAV6CL●
YAV6CL4BOX		5/16	-131	0.58	1.43	1.13	0.35							YAV6CL4●
YAV6CL2BOX		3/8	-110	0.60	1.43	1.13	0.36							YAV6CL2●
YAV6CL10BOX		1/2	-143	0.74	1.64	1.26	0.49							YAV6CL10
YAV4CL3BOX	4 Aircraft AN 4 Flex	8-10	-144	0.55	1.37	1.11	0.28	YAV4CL3●	Non-Ratchet: MY28, MY2911 Ratchet: MR4C	40	DV4L Nest Y29PL Indentor (1) Crimp	UV4L Nest Y34PLA Indentor (1) Crimp	1/2"	
YAV4CLBOX		1/4	-111	0.55	1.37	1.11	0.28							YAV4CL
YAV4CL4BOX		5/16	-132	0.63	1.48	1.17	0.33							YAV4CL4●
YAV4CL2BOX		3/8	-112	0.63	1.48	1.17	0.33							YAV4CL2●
YAV4CL5BOX		1/2	-145	0.73	1.68	1.30	0.47							YAV4CL5
YAV2CL1BOX	2 Aircraft AN 2 Flex	1/4	-113	0.69	1.72	1.37	0.35	YAV2CL1●	Non-Ratchet: MY28, MY2911	41	DV2L Nest Y29PL Indentor (1) Crimp	UV2L Nest Y34PLA Indentor (1) Crimp	5/8"	
YAV2CL2BOX		5/16	-147	0.69	1.72	1.37	0.35	YAV2CL2●						
YAV2CLBOX		3/8	-114	0.69	1.72	1.37	0.35	YAV2CL●						
YAV2CL4BOX		1/2	-133	0.77	1.88	1.49	0.46	YAV2CL4						

† Class 1.

● Available in (90°) right angle design. Suffix "RS" replaces suffix "L".

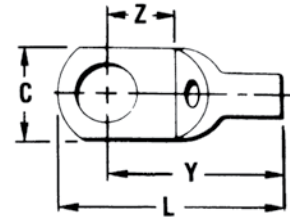
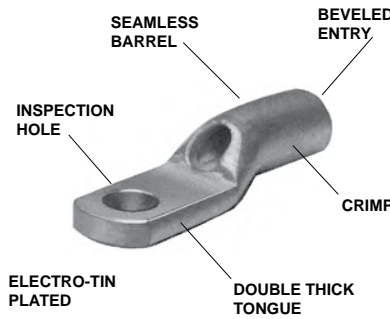
▲ Use Y35P3 Indentor Adapter with 35 Series tools

■ Bench Mount Adaptor (Catalog Number: BMYBCHMT) is available for MY Series HYTOOL™

Add "NK" suffix for nickel plated terminals for high temperature applications up to 650° F continuous service and 750° intermittent service

TYPES YAV-L / YAV-LBOX (Continued)

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Wire Range (AWG/kcmil)	Stud Size	SAE - AS20659 Dash No. †	Dimensions (Inches)				Bulk Catalog Number	Installation Tooling				
				C	L Max.	Y Max.	Z Max.		HYTOOL™	Die Index	HYPRESS™		Wire Strip Length
											Y29 Series	35, 750 Series ▲	
YAV1CL1BOX	1 Aircraft AN 1 Flex	1/4	-115	0.76	1.84	1.45	0.38	YAV1CL1 ●	42	DV1L Nest Y29PL Indentor (1) Crimp	UV1L Nest Y34PLA Indentor (1) Crimp	5/8"	
YAV1CL2BOX		5/16	-149	0.76	1.84	1.45	0.38						YAV1CL2 ●
YAV1CLBOX		3/8	-116	0.76	1.84	1.45	0.38							YAV1CL
YAV1CL3BOX		1/2	-134	0.86	1.97	1.54	0.46						YAV1CL3
YAV25L1BOX	1/0 Aircraft AN 1/0 Flex	1/4	-117	0.83	2.01	1.61	0.43	YAV25L1	43	DV25L Nest Y29PR Indentor (1) Crimp	UV25L Nest Y34PA Indentor (1) Crimp	11/16"	
YAV25L2BOX		5/16	-151	0.83	2.03	1.61	0.43	YAV25L2					
YAV25LBOX		3/8	-118	0.83	2.03	1.61	0.43	YAV25L ●					
YAV25L3BOX		1/2	-135	0.88	2.09	1.64	0.46	YAV25L3 ●					
YAV25L4BOX		5/8	—	0.88	2.31	1.80	0.62	YAV25L4					
YAV26L1BOX	2/0 Aircraft AN 2/0 Flex	1/4	-153	0.93	2.32	1.85	0.48	YAV26L1	Non-Ratchet: MY28, MY2911	44	DV26L Nest Y29PR Indentor (1) Crimp	UV26L Nest Y34PA Indentor (1) Crimp	13/16"
YAV26L2BOX		5/16	-119	0.93	2.32	1.85	0.48	YAV26L2					
YAV26LBOX		3/8	-120	0.93	2.32	1.85	0.48	YAV26L ●					
YAV26L3BOX		1/2	-136	0.93	2.32	1.85	0.48	YAV26L3 ●					
YAV26L12BOX		5/8	—	0.93	2.52	1.99	0.62	YAV26L12					
YAV27LBOX	3/0 Aircraft AN 3/0 Flex	3/8	-121	1.03	2.45	1.93	0.52	YAV27L ●	45	—	UV27L Nest Y34PA Indentor (1) Crimp	13/16"	
YAV27L1BOX		1/2	-122	1.03	2.45	1.93	0.52	YAV27L1					
YAV27L15BOX		5/8	—	1.03	2.60	2.03	0.62	YAV27L15					
YAV28L53BOX	4/0 Aircraft AN 4/0 Flex	1/4	—	1.12	2.28	1.83	0.28	YAV28L53	46	—	UV28L Nest Y34PA Indentor (1) Crimp	7/8"	
YAV28LBOX		3/8	-123	1.12	2.72	2.16	0.60	YAV28L					
YAV28L12BOX		1/2	-124	1.12	2.72	2.16	0.60	YAV28L12					
YAV28L13BOX		5/8	-159	1.12	2.72	2.16	0.60	YAV28L13					
YAV28L14BOX		3/4	-160	1.23	2.95	2.33	0.78	YAV28L14					

† Class 1.

● Available in (90°) right angle design. Suffix "RS" replaces suffix "L".

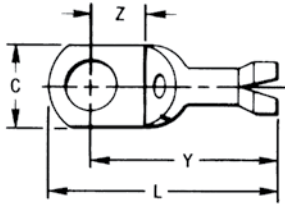
▲ Use Y35P3 Indentor Adapter with 35 Series tools

■ Bench Mount Adaptor (Catalog Number: BMYBCHMT) is available for MY Series HYTOOL™

Add "NK" suffix for nickel plated terminals for high temperature applications up to 650° F continuous service and 750° intermittent service

TYPES YAV-H / YAV-H BOX

HYLUG™



The Type YAV-H HYLUG™ is a seamless heavy duty uninsulated compression ring tongue terminal with a shroud for an insulation grip and cable support. They are manufactured from pure electrolytic copper tubing for use on copper commercial (code) cable, Type AN aircraft cable and extra flexible conductors.

The seamless design produces a double thick tongue and the seamless barrel provides a strong highly reliable connection. Meets the requirements of SAE-AS7928. The benefits of the Type YAV apply to the YAV-H HYLUG™

Features & Benefits

- Shroud/insulation grip cable support and strain relief protects the wire against breaking under vibration or flexing conditions
- Electro-tin plated to provide long-lasting corrosion resistance



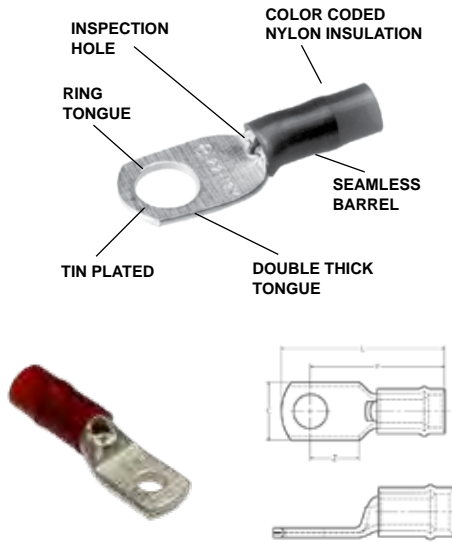
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range AWG, AN, Aircraft	Stud Size	Max. Insul. Dia. Accom.	Dimensions				Bulk Catalog Number	Installation Tooling	Dies	Wire Strip Length
				C	L Max.	Y Max.	Z Min.				
YAV18HBOX	22-18	8 - 10	0.120"	0.31	0.88	0.76	0.24	YAV18H	Plier: Y10D, Y1022*	M8ND, with N14HT, N14HT5 Die	9/32"
YAV14H1BOX	16-14	6 - 8	0.150"	0.31	0.92	0.80	0.24	YAV14H1			9/32"
YAV14HBOX	20-14	8 - 10	0.150"	0.31	0.95	0.80	0.24	YAV14H		Ratchet: MR8G98, MR89Q, Y8MRB1*, MR20, M8ND, MRE1022B	M8ND, N10HT24	9/32"
YAV14H2BOX		1/4		0.42	1.14	0.90	0.32	YAV14H2			
YAV10H25BOX	12-10	6 - 8	0.192"	0.31	1.00	0.90	0.24	YAV10H25			
YAV10HBOX		8 - 10		0.38	1.05	0.91	0.24	YAV10H			
YAV10H3BOX		1/4		0.47	1.22	0.99	0.32	YAV10H3			

* For conductor crimp only.

TYPES YAEV / YAEV-L

INSULUG™



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

600 Volts Max., 150°C, Max.

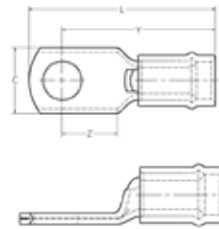
The INSULUG™ type YAEV is designed for very demanding high vibration applications encountered in aircraft and aboard ships as well as motor lead applications in hospitals, industrials and generating plants. The nylon insulated seamless, electrolytic copper barrel with double thick tongue provides an extra strong insulated connection. The terminal is rated 105°C and meets SAE-AS7928 requirements.

Features & Benefits

- Double thick tongue for maximum reliability and electrical capacity plus an extra strong terminal tongue
- Manufactured from one-piece pure electrolytic copper — high conductivity, low resistance with no seams to split plus ductility for excellent crimp forming properties
- Electro-tin plated to provide long-lasting corrosion resistance
- Nylon insulation is locked in place — Insulation will not move or twist off
- 300 volt nylon insulation providing high dielectric strength and stability in demanding oily environmental conditions
- Color Coded providing quick, easy wire size connector selection

Catalog Number	Wire Range AWG, AN Aircraft	Stud Size	Dimensions				Bulk Catalog Number	Installation Tooling	Wire Strip Length
			C	Z Min.	Y Max.	L Max.			
YAEV18BOX	22-18 Max. Insul. Dia. Accom.: .125 Color Code: Red	8-10	0.31	0.24	0.77	0.91	YAEV18	Ratchet: MR8D94, MRE1022NV	1/4"
YAEV14BOX	18-14 Max. Insul. Dia. Accom.: .154 Color Code: Blue	8-10	0.31	0.24	0.81	0.94	YAEV14	Ratchet: MR8D94, MRE1022NV	1/4"
YAEV10T7BOX	12-10 Max. Insul. Dia. Accom.: .209 Color Code: Yellow	4-6	0.30	0.24	0.95	1.12	YAEV10T7	Ratchet: MR8D94 MR833T1 M8ND with N10ET9 Die MR4 10M MRE1022NV	5/16"
YAEV10T11BOX		6-8	0.37	0.26	0.97	1.16	YAEV10T11		
YAEV10BOX		8-10	0.37	0.26	0.97	1.16	YAEV10		
YAEV10L36BOX		8-10	0.30	0.18	0.89	1.04	YAEV10L36		
YAEV10T3BOX		1/4	0.47	0.38	1.12	1.30	YAEV10T3		
YAEV10T2BOX		5/16	0.53	0.31	1.12	1.36	YAEV10T2		
YAEV10T4BOX		3/8	0.56	0.35	1.12	1.38	YAEV10T4		

TYPES YAEV / YAEV-L (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range AWG, AN Aircraft	Stud Size	AS25036- No.	Dimensions				Bulk Catalog Number	Installation Tooling	HYPRESS™ Y29 Series		Wire Strip Length
				C	Z Min.	Y Max.	L Max.			Nest	Indentor	
YAEV8CL14BOX	8 Str. Max. Insul. Dia. Accom.: .258 Color Code: Red	8	—	0.41	0.28	1.18	1.40	YAEV8CL14	Ratchet: M8ND with N8CET2 Die Non-Ratchet: MY286* Hydraulic: 35, 750 Series with U8CET Die Set	DEV8L	Y29PLE1	7/16"
YAEV8CL1BOX		1/4	-116	0.46	0.32	1.23	1.47	YAEV8CL1				
YAEV8CL2BOX		5/16	-117	0.57	0.34	1.25	1.54	YAEV8CL2				
YAEV8CL3BOX		3/8	-118	0.57	0.34	1.25	1.54	YAEV8CL3				
YAEV8CL4BOX		1/2	—	0.73	0.48	1.39	1.77	YAEV8CL4				
YAEV8CLBOX		10	-115	0.41	0.28	1.18	1.40	YAEV8CL				
YAEV6CL1BOX	6 Str. Max. Insul. Dia. Accom.: .313 Color Code: Blue	8-10	-119**	0.48	0.29	1.33	1.56	YAEV6CL1**	Non-Ratchet: MY286* Hydraulic: 35, 750 Series with U6CET Die Set	DEV6L	Y29PLE1	1/2"
YAEV6CLBOX		1/4	-120**	0.48	0.29	1.33	1.56	YAEV6CL**				
YAEV6CL4BOX		5/16	-121**	0.60	0.36	1.39	1.68	YAEV6CL4**				
—		3/8	-122**	0.60	0.36	1.39	1.68	YAEV6CL2**				
YAEV6CL10BOX		1/2	—	0.73	0.47	1.53	1.91	YAEV6CL10				
YAEV4CL3BOX	4 Str. Max. Insul. Dia. Accom.: .374 Color Code: Yellow	8-10	—	0.55	0.28	1.40	1.62	YAEV4CL3	Non-Ratchet: MY286* Hydraulic: 35, 750 Series with U4CET Die Set	DEV4L	Y29PLE1	1/2"
YAEV4CLBOX		1/4	-123	0.55	0.28	1.37	1.62	YAEV4CL				
YAEV4CL4BOX		5/16	-124	0.63	0.34	1.43	1.74	YAEV4CL4				
—		3/8	-125	0.63	0.34	1.43	1.74	YAEV4CL2				
—		1/2	—	0.73	0.47	1.56	1.92	YAEV4CL5				
YAEV2CL3BOX	2 Str. Max. Insul. Dia. Accom.: .459 Color Code: Red	10	—	0.69	0.35	1.72	2.03	YAEV2CL3	Non-Ratchet: MY286* Hydraulic: 35, 750 Series with U2CET Die Set	DEV2L	Y29PLE	5/8"
YAEV2CL1BOX		1/4	-126	0.69	0.35	1.61	2.03	YAEV2CL1				
YAEV2CL2BOX		5/16	—	0.69	0.35	1.68	2.03	YAEV2CL2				
YAEV2CLBOX		3/8	-127	0.69	0.35	1.69	2.03	YAEV2CL				
—		1/2	-128	0.77	0.47	1.80	2.16	YAEV2CL4				
—	1 Str. Max. Insul. Dia. Accom.: .516 Color Code: White	1/4	-129	0.76	0.38	1.63	2.14	YAEV1CL1	Non-Ratchet: MY286* Hydraulic: 35, 750 Series with U1CET Die Set	DV26L	Y29PLE	5/8"
—		5/16	—	0.76	0.38	1.71	2.14	YAEV1CL2				
YAEV1CLBOX		3/8	-130	0.76	0.38	1.72	2.14	YAEV1CL				
—		1/2	-131	0.86	0.47	1.86	2.27	YAEV1CL3				
—	1/0 Str. Max. Insul. Dia. Accom.: .564 Color Code: Blue	1/4	-132	0.83	0.43	1.97	2.40	YAEV25L1	Non-Ratchet: MY286* Hydraulic: 35, 750 Series with U25ET Die Set	DEV25L	Y29PLE	11/16"
—		5/16	—	0.83	0.43	1.97	2.40	YAEV25L2				
—		3/8	-133	0.83	0.43	1.97	2.40	YAEV25L				
—		1/2	-134	0.88	0.47	2.02	2.46	YAEV25L3				
—		5/8	—	0.88	0.63	2.17	2.67	YAEV25L4				
—	2/0 Str. Max. Insul. Dia. Accom.: .628 Color Code: Yellow	1/4	—	0.93	0.49	2.19	2.72	YAEV26L1	Non-Ratchet: MY286* Hydraulic: 35, 750 Series with U26ET Die Set	DEV26L	Y29PLE	13/16"
—		5/16	-135	0.93	0.49	2.19	2.72	YAEV26L2				
YAEV26LBOX		3/8	-136	0.93	0.49	2.19	2.72	YAEV26L				
YAEV26L3BOX		1/2	-137	0.93	0.49	2.27	2.72	YAEV26L3				

† Additional terminal stud sizes available.

* Bench Mount Adaptor (Catalog Number: BMYBCHMT) is available for MY Series HYTOOL™

** NOTE: Add suffix "M" to cat. number to conform to AS25036 - standard for these items only
(example: YAEV6C-L1M). See above. Contact BURNDY® for UL Listed products.

Small Terminals

Nylon Insulated Compression Ring Tongue for Expanded Insulation

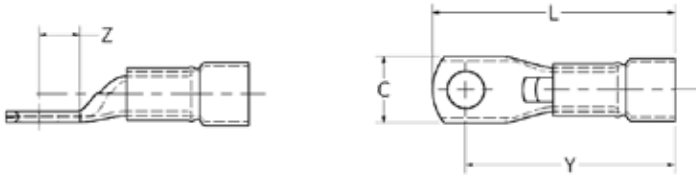
TYPE YAEV-H

INSULUG™



Designed to accommodate larger conductor insulation diameters. Made of one piece tin plated pure electrolytic seamless copper tubing for maximum conductivity and ductility. Color-coded insulating sleeves are locked into position. Inspection hole permits visual check of wire insertion. Meets requirements of SAE-AS7928.

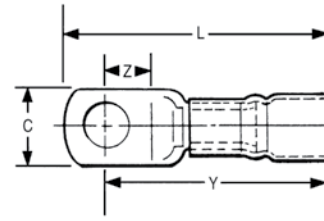
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Bulk Catalog Number	Wire Range	Stud Size	Dimensions in Inches				Installation Tooling			Wire Strip Length
			C	Z Min.	Y Max.	L Max.	HYTOOL™ HYPRESS™	Y29 Series		
								Nest	Indenter	
YAEV8CH14	8 Max. Insul. Dia.: .30" Sleeve Color: Red	8	0.41	0.25	1.32	1.53	M8ND with N8CET2 Die MY286* 35, 750 Series with U8CET Die	DEV8L	Y29PLE1	7/16"
YAEV8CH		10	0.41	0.25	1.34	1.53				
YAEV8CH1		1/4	0.46	0.28	1.37	1.60				
YAEV8CH2		5/16	0.57	0.33	1.39	1.68				
YAEV8CH3		3/8	0.57	0.33	1.39	1.68				
YAEV8CH4		1/2	0.73	0.47	1.52	1.90				
YAEV6CH1	6 Max. Insul. Dia.: .38" Sleeve Color: Blue	10	0.48	0.28	1.48	1.72	MY286* 35, 750 Series with U6CET Die Set	DEV6L	Y29PLE1	1/2"
YAEV6CH		1/4	0.48	0.28	1.48	1.72				
YAEV6CH4		5/16	0.60	0.33	1.54	1.85				
YAEV6CH2		3/8	0.60	0.34	1.54	1.85				
YAEV6CH10		1/2	0.73	0.47	1.68	2.06				
YAEV4CH3	4 Max. Insul. Dia.: .44" Sleeve Color: Yellow	10	0.55	0.28	1.60	1.86	MY286* 35, 750 Series with U4CET Die Set	DEV4L	Y29PLE1	1/2"
YAEV4CH		1/4	0.55	0.28	1.60	1.86				
YAEV4CH4		5/16	0.63	0.34	1.66	1.98				
YAEV4CH2		3/8	0.63	0.34	1.66	1.98				
YAEV4CH5		1/2	0.73	0.47	1.79	2.17				
YAEV2CH3	2 Max. Insul. Dia.: .52" Sleeve Color: Red	10	0.69	0.35	1.98	2.33	MY286* 35, 750 Series with U2CET Die	DEV2L	Y29PLE	5/8"
YAEV2CH1		1/4	0.69	0.35	1.98	2.33				
YAEV2CH2		5/16	0.69	0.35	1.98	2.33				
YAEV2CH		3/8	0.69	0.35	1.98	2.33				
YAEV2CH4		1/2	0.77	0.47	2.10	2.49				
YAEV1CH1	1 Max. Insul. Dia.: .58" Sleeve Color: White	1/4	0.76	0.38	2.10	2.48	MY286* 35, 750 Series with U1CET Die	DV26L	Y29PLE	5/8"
YAEV1CH2		5/16	0.76	0.38	2.10	2.48				
YAEV1CH		3/8	0.76	0.38	2.10	2.48				
YAEV1CH3		1/2	0.86	0.46	2.10	2.62				

* Bench Mount Adaptor (Catalog Number: BMYBCHMT) is available for MY Series HYTOOL™

TYPES YAEV -H (Continued)



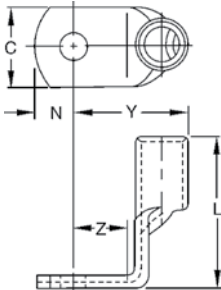
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Bulk Catalog Number	Wire Range	Stud Size	Dimensions in Inches				Installation Tooling			Wire Strip Length
			C	Z Min.	Y Max.	L Max.	HYTOOL™ HYPRESS™	Y29 Series		
								Nest	Indentor	
YAEV25H1	1/0 Max. Insul. Dia.: .66" Sleeve Color: Blue	1/4	0.83	0.43	2.39	2.82	MY286* 35, 750 Series with U25ET Die Set	DEV25L	Y29PLE	11/16"
YAEV25H2		5/16	0.83	0.43	2.39	2.82				
YAEV25H		3/8	0.83	0.43	2.39	2.82				
YAEV25H3		1/2	0.88	0.46	2.43	2.88				
YAEV25H4		5/8	0.88	0.62	2.58	3.09				
YAEV26H1	2/0 Max. Insul. Dia.: .73" Sleeve Color: Yellow	1/4	0.94	0.48	2.65	3.12	MY286* 35, 750 Series with U26ET Die Set	DEV26L	Y29PLE	13/16"
YAEV26H2		5/16	0.94	0.48	2.65	3.12				
YAEV26H		3/8	0.94	0.48	2.65	3.12				
YAEV26H3		1/2	0.94	0.48	2.65	3.12				
YAEV26H12		5/8	0.94	0.62	2.79	3.33				

* Bench Mount Adaptor (Catalog Number: **BMYBCHMT**) is available for MY Series HYTOOL™

TYPES YAV-R, YAV-RS

HYLUG™



Factory formed right angle HYLUG™ connectors made of seamless pure copper tubing. These rugged terminals withstand the most severe applications. Inspection hole in barrel permits visual check of wire insertion. Tin plated to resist corrosion. Meets requirements of SAE-AS7928.



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (AWG/kcmil)	Stud Size	Dimensions					Installation Tooling	Wire Strip Length
			C	L Max.	Y Max.	Z Min.	N		
YAV18R	22-18	8-10	0.31	0.34	0.46	0.25	0.16	Non-Ratchet: Y10D Ratchet: Y8MRB1, MR20, MR8G98, MR89Q	1/4
YAV14RL33	20-14	4-6	0.25	0.37	0.45	0.21	0.12		
YAV14R		8-10	0.31	0.36	0.48	0.25	0.16		
YAV10R	12-10	8-10	0.38	0.53	0.46	0.25	0.19		
YAV10R3BOX	12-10	1/4	0.47	0.55	0.50	.28	0.23		5/16

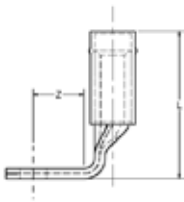
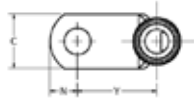
Catalog Number	Wire Range AWG, AN, Aircraft	Stud Size	Dimensions in Inches					Installation Tooling		Wire Strip Length	Tool ▲ Index Number			
			C	L Max.	Y Max.	Z Min.	N	Aircraft	HYPRESS™ Y29 Series					
									Nest			Indentor		
YAV8CRS	8	8-10	0.41	0.95	0.62	0.25	0.20	MY28 MY2911	DV8L*	Y29PL	7/16	38		
YAV8CRS1		1/4	0.41	0.95	0.65	0.28	0.20							
YAV8CRS3		3/8	0.56	0.95	0.71	0.34	0.31							
YAV6CRS1	6	8-10	0.50	0.98	0.67	0.28	0.25		MY28 MY2911	DV6L	Y29PL	1/2	39	
YAV6CRS		1/4	0.50	0.98	0.67	0.28	0.25							
YAV6CRS4		5/16	0.59	0.98	0.73	0.34	0.31							
YAV4CRS2	4	8-10	0.53	1.00	0.70	0.28	0.25			MY28 MY2911	DV4L	Y29PL	1/2	40
YAV4CRS3		1/4	0.53	1.00	0.70	0.28	0.25							
YAV4CRS4		5/16	0.62	1.00	0.77	0.34	0.31							
YAV4CRS2	3/8	0.62	1.00	0.77	0.34	0.31								
YAV2CRS1	2	1/4	0.68	1.27	0.82	0.34	0.33	MY28 MY2911			DV2L	Y29PR	5/8	41
YAV2CRS2		5/16	0.68	1.27	0.82	0.34	0.33							
YAV2CRS		3/8	0.68	1.27	0.82	0.34	0.33							
YAV1CRS1	1	1/4	0.73	1.31	0.88	0.34	0.33		MY28 MY2911		DV1L	Y29PR	11/16	43
YAV1CRS2		5/16	0.73	1.31	0.88	0.34	0.33							
YAV25RS		1/0	3/8	0.81	1.46	1.01	0.44								0.39
YAV25RS3	1/2		0.88	1.46	1.04	0.47	0.44							
YAV26RS	2/0	3/8	0.92	1.58	1.00	0.47	0.39			MY28 MY2911	DV26L	Y29PR	13/16	44
YAV26RS3		1/2	0.92	1.58	1.00	0.47	0.39							
YAV27RS	3/0	3/8	1.02	1.61	1.12	0.47	0.48				—	—	7/8	45
YAV28RS	4/0	3/8	1.12	1.75	1.15	0.47	0.48	46						

* For aircraft applications (Flexible Cable) use die DV8L1

▲ See Present Installation Tool Index

TYPE YAEV-RS

INSULUG™



600 Volts Max.; 105° C Max.

Factory formed right angle INSULUG™ connectors made of seamless pure copper tubing. These rugged terminals withstand the most severe applications. Inspection hole in barrel permits visual check of wire insertion. Meets requirements of SAE-AS7928.

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	N	C	Z Min.	Y Max.	L Max.	Installation Tooling			Wire Strip Length
								HYTOOL™	HYPRESS™ Y29 Series		
									Nest	Indentor	
YAEV8CRS	8	8-10	0.20	0.41	0.25	0.82	1.25	A	DEV8L	Y29PLE1	7/16"
YAEV8CRS1	Max. Insul. Dia.: .258" Sleeve Color: Red	1/4	0.25	0.41	0.28	0.84	1.25				
YAEV6CRS1	6	8-10	0.25	0.50	0.28	0.88	1.28	B	DEV6L	Y29PLE1	1/2"
YAEV6CRS	Max. Insul. Dia.: .313" Sleeve Color: Blue	1/4	0.25	0.50	0.28	0.88	1.28				
YAEV4CRS	4	1/4	0.25	0.53	0.28	0.95	1.28	C	DEV4L	Y29PLE1	1/2"
YAEV4CRS2	Max. Insul. Dia.: .374" Sleeve Color: Yellow	3/8	0.31	0.62	0.34	1.02	1.28				
YAEV2CRS1	2	1/4	0.33	0.68	0.34	1.13	1.59	D	DEV2L	Y29PLE	5/8"
YAEV2CRS	Max. Insul. Dia.: .459" Sleeve Color: Red	3/8	0.33	0.68	0.34	1.13	1.59				
YAEV1CRS2	1	5/16	0.33	0.73	0.34	1.13	1.65	E	DV26L	Y29PLE	5/8"
YAEV1CRS	Max. Insul. Dia.: .516" Sleeve Color: White	3/8	0.33	0.73	0.34	1.22	1.65				
YAEV25RS	1/0	3/8	0.39	0.81	0.44	1.46	1.88	F	DEV25L	Y29PLE	11/16"
YAEV26RS	2/0	3/8	0.39	0.92	0.47	1.48	2.06	G	DEV26	Y29PLE	13/16"

A	B	C	D	E	F	G
Ratchet: M8ND with N8CET2 Die Non-Ratchet: MY286†† Hydraulic: 35, 750 Series with U8CET Die Set	Non-Ratchet: MY286†† Hydraulic: 35, 750 Series with U6CET Die Set	Non-Ratchet: MY286†† Hydraulic: 35, 750 Series with U4CET Die Set	Non-Ratchet: MY286†† Hydraulic: 35, 750 Series with U2CET Die Set	Non-Ratchet: MY286†† Hydraulic: 35, 750 Series with U1CET Die Set	Non-Ratchet: MY286†† Hydraulic: 35, 750 Series with U25ET Die Set	Non-Ratchet: MY286†† Hydraulic: 35, 750 Series with U26ET Die Set

†† Bench Mount Adaptor (Catalog Number: BMYBCHMT) is available for MY Series HYTOOL™

Small Terminals

Flag-Type Ring Tongue Compression Terminals

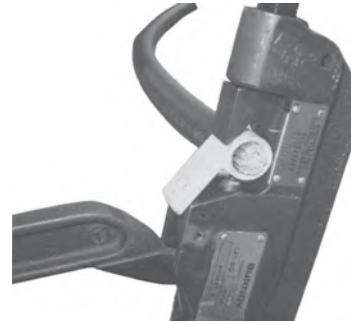
TYPE YBM

HYLUG™



Made of pure electrolytic copper for maximum conductivity and ductility. Seamless extrusion tin plated to resist corrosion.

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



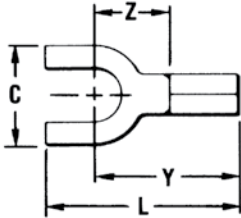
Catalog* Number	Wire Range		Stud Size	Dimensions in Inches				HYTOOL™	Installation Tooling				Wire Strip Length
	Flex	Code		C Max.	Z Min.	Y Approx.	L Max.		HYPRESS™ Y29 Series		35, 750 Series		
									Nest	Indentor	Nest	Indentor	
YBM8C	8 Class I, K, DLO (37/24)	8	8-10	0.47	0.33	0.59	1.01	MY28	DV8B	Y29PBL	UV8B1	Y29PBL	7/16"
YBM8CT2			1/4	0.53	0.36	0.62	1.07						1/2"
YBM8CT4			3/8	0.66	0.42	0.68	1.19						9/16"
YBM6CL9	6 Class I, DLO (81/24)	6	8-10	0.53	0.36	0.64	1.09	MY28	DV6BL1	Y29PBL	UV6B1	Y29PBL	1/2"
YBM6CL			1/4	0.53	0.36	0.64	1.12						9/16"
YBM6CL2			5/16	0.59	0.42	0.70	1.21						5/8"
YBM6CL3			3/8	0.66	0.42	0.70	1.24						
YBM4CL4	4 Class I, DLO (105/24)	4	8-10	0.53	0.36	0.69	1.18	MY28	DV4BL	Y29PBL	UV4B1	Y29PL	1/2"
YBM4CL			1/4	0.53	0.36	0.69	1.21						9/16"
YBM4CL1			5/16	0.59	0.42	0.75	1.3						5/8"
YBM4CL2			3/8	0.66	0.42	0.75	1.33						
YBM2CL1	2 Class I, DLO (150/24)	2	1/4	0.66	0.36	0.73	1.28	MY28	DV2BL	Y29PL	UV2B1	Y29PA	5/8"
YBM2CL2			5/16	0.66	0.42	0.79	1.38						
YBM2CL			3/8	0.66	0.42	0.79	1.35						
YBM1CL3	1 Class I, DLO (225/24)	1	1/2	0.91	0.61	1.00	1.78	MY28	DV1BL	—	—	—	1"
YBM1CL			3/8	0.66	0.49	0.88	1.53						5/8"
YBM25L1	1/0 Class I, DLO (275/24)	—	1/4	0.72	0.42	0.86	1.49	MY28	DV25BL1	Y29PR	UV25B1	Y29PA1	5/8"
YBM25L2			5/16	0.72	0.45	0.88	1.56						3/4"
YBM25L			3/8	0.72	0.49	0.92	1.62						
YBM26L	2/0 Class I, DLO (325/24)	—	3/8	0.84	0.49	0.98	1.71	MY28	DV26L	Y29PR	UV26B1	Y29PA1	13/16"

* Lead Plated available, contact factory.

■ UL Listed with MY28 and Y29 series tools only.

TYPES T-F / YAD-F

HYLUG™



Type T-F is constructed in the same manner as the type "T" and employs a fork tongue. The fork permits rapid installation of the terminal under a screw head without completely removing the screw. Two or more terminals may be stacked easily on a common stud.

Features & Benefits

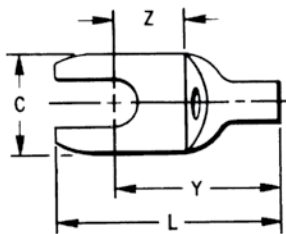
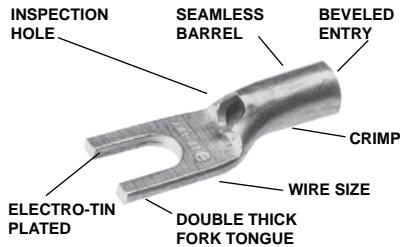
- Fork tongue design for faster installation
- Screw needs only to be loosened (not completely removed) for termination

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	C	L Max	Y Max	Z Min	Bulk Catalog Number	Installation Tooling	Wire Strip Length
T186F	22 AWG-18 AWG	#4 - #6	0.28	0.68	0.55	0.25	YAD186F	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR8G98, Y8MRB1, MR20	9/32
T188F		#6 - #8	0.31	0.74	0.57	0.27	YAD188F		
T1810F		#8 - #10	0.37	0.74	0.58	0.29	YAD1810F		
T1814F		1/4	0.47	0.92	0.69	0.39	YAD1814F		
T146F	20 AWG-14 AWG	#4 - #6	0.28	0.68	0.55	0.25	YAD146F	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR8G98, Y8MRB1, MR20	9/32
T148F		#6 - #8	0.31	0.74	0.57	0.27	YAD148F		
T1410F		#8 - #10	0.37	0.74	0.58	0.29	YAD1410F		
T1414F		1/4	0.47	0.92	0.69	0.39	YAD1414F		
T106F	14 AWG-10 AWG (Str.) 12 AWG-10 AWG (Sol.)	#4 - #6	0.28	0.74	0.61	0.25	YAD106F	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR8G98, Y8MRB1, MR20	11/32
T108F		#6 - #8	0.31	0.80	0.63	0.27	YAD108F		
T1010F		#8 - #10	0.41	0.87	0.68	0.32	YAD1010F		
T1014F		1/4	0.50	1.00	0.75	0.39	YAD1014F		

TYPES YAV-T-F / YAV-T-F BOX

HYLUG™



The Type YAV-T-F HYLUG™ is a seamless heavy duty uninsulated compression fork-tongue terminal manufactured from electrolytic copper for use on copper commercial (code) cable, Type AN aircraft cable and extra flexible conductors.

The seamless design produces a double thick tongue and the seamless barrel provides a strong highly reliable connection.

All the benefits of the Type YAV apply for the same wire sizes.

Features & Benefits

- Fork tongue allows installation of compression terminal under screw head without complete removal of the screw



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	C	L	Y	Z	Bulk Catalog Number	Installation Tooling	Wire Strip Length
YAV18T19FBOX	22-18	#4-#6	0.31	0.84	0.55	0.25	YAV18T19F	Non-Ratchet: Y10D, Y1022 Ratchet: MR8G98, MR89Q, MR20, Y8MRB1, MRE1022B	9/32"
YAV18T21FBOX	20-18	#8-#10	0.37	0.84	0.55	0.25	YAV18T21F		
YAV14T32FBOX	20-14	#4-#6	0.31	0.84	0.57	0.25	YAV14T32F		
YAV14T34FBOX		#8-#10	0.37	0.82	0.60	0.26	YAV14T34F		
YAV10T21FBOX	12-10	#8-#10	0.36	0.99	0.69	0.26	YAV10T21F	7/16"	
YAV10T23FBOX		1/4	0.47	1.03	0.75	0.34	YAV10T23F		

TYPES TP-F / BA-EF

VINYLUG™



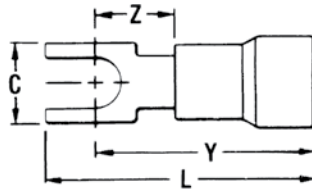
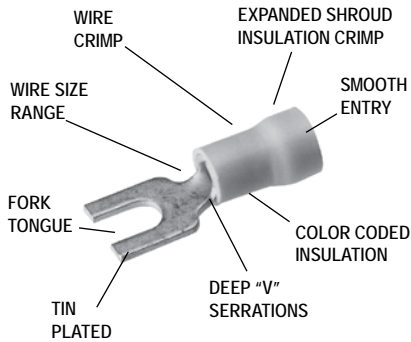
600 Volts Max.; 105° C Max.

The Type TP-F is a fork tongue variation of the TP design and makes installation easier.

Features & Benefits

- Fork tongue design for faster installation
- Screw needs only to be loosened (not completely removed) for termination

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Wire Range	Stud Size	Dimensions				Bulk Catalog Number *	Installation Tooling	Tape Mounted Catalog Number 2000/Reel	Tape Fed Installation Tooling	Wire Strip Length
			C	L. Max	Y Max.	Z Min.					
TP162F	22 - 16 Max. Insul. Dia. Accom.: 0.15 Color Code: Red	#1-#2	0.17	0.75	0.66	0.23	BA16EF2	Plier Type: Y1022 Ratchet Tool: MRE1022NV MR8891	BA16EF2M	OEM175TFM with TFM2218NV Die	13/64"
TP166F		#4-#6	0.28	0.80	0.66	0.23	BA16EF6		BA16EF6M		
TP168F		#6-#8	0.31	0.86	0.69	0.26	BA16EF8		BA16EF8M		
TP1610F		#8-#10	0.41	0.95	0.75	0.31	BA16EF10		BA16EF10M		
TP142F	16 - 14 Max. Insul. Dia. Accom.: 0.18 Color Code: Blue	#1-#2	0.17	0.75	0.66	0.23	BA14EF2	Plier Type: Y1022 Ratchet Tool: MRE1022NV MR8891	—	OEM175TFM with TFM1614NV Die	13/64"
TP146F		#3-#6	0.28	0.80	0.66	0.23	BA14EF6		—		
TP148F		#6-#8	0.31	0.86	0.69	0.26	BA14EF8		BA14EF8M		
TP1410F		#8-#10	0.41	0.95	0.75	0.31	BA14EF10		BA14EF10M		
TP106F	12 - 10 Max. Insul. Dia. Accom.: 0.26 Color Code: Yellow	#3-#6	0.28	0.95	0.81	0.26	BA10EF6	MRE1022NV, MR15, M8ND with N10ET23	*BA10EF6M	OEM175TFM with TFM1210NV Die	19/64"
TP108F		#6-#8	0.31	0.98	0.81	0.26	BA10EF8		*BA10EF8M		
TP1010F		#8-#10	0.41	1.07	0.87	0.31	BA10EF10		*BA10EF10M		

* UL Listed and CSA Certified with MR8891 and MR15 only
* 1000/Box



MRE1022NV Ergonomic Hand Tool perfect for use with the TP-F; suitable for most nylon and vinyl insulated small terminals. MRE1022B is designed for use with bare (uninsulated) terminals. Part of the BURNDY Engineered System of coordinating connectors, tools and dies for a quality, reliable, repeatable connection.

See the Tooling section for more information on this and other BURNDY Tools.

Small Terminals

Nylon Insulated Fork Tongue Compression Terminals

TYPES TN-F / YAES-F

INSULUG™



600 Volts Max.; 105° C Max.

The Type TN-F, nylon insulated fork tongue terminal has the same high quality as the TN. It is designed to meet the heavy-duty requirements of industrial and utility applications.

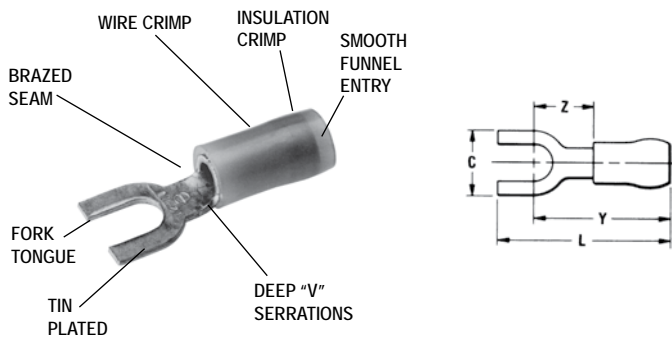
Used on both power and control circuits for wire sizes #26 AWG through #10 AWG. The TN-F provides high dielectric strength and stability in oily conditions.

The TN-F is identical to the TN with the addition of a fork tongue which allows installation without complete removal of its supporting screw.

Features & Benefits

- Fork tongue design for faster installation
- Screw needs only to be loosened (not completely removed) for termination

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Wire Range	Stud Size	Dimensions				Bulk Catalog Number	Installation Tooling	Wire Strip Length
			C	L Max.	Y Max.	Z Min.			
TN202F*	26-20 Max. Insul. Dia. Accom.: 0.10 Color Code: Amber	#1 - #2	0.18	0.76	0.65	0.24	—	M8ND with N14HET25V1 Die Set	3/16"
TN206F*		#4 - #6	0.28	0.80	0.70	0.28	—		
TN184F*	22-18 Max. Insul. Dia. Accom.: 0.12 Color Code: Red	#3 - #4	0.23	0.75	0.65	0.24	—	Non-Ratchet: Y10D Y1022 Ratchet: MRE1022NV MR883** MR18	7/32"
TN186F		#4 - #6	0.28	0.79	0.65	0.24	YAES18N1F		
TN188F		#6 - #8	0.31	0.84	0.67	0.26	YAES18N49F		
TN1810F		#8 - #10	0.37	0.84	0.68	0.27	YAES18N3F		
TN1814F		1/4	0.47	1.03	0.79	0.38	YAES18N50F		
TN146F	16-14 Max. Insul. Dia. Accom.: 0.15 Color Code: Blue	#4 - #6	0.28	0.79	0.65	0.24	YAES14N6F	Non-Ratchet: Y10D Y1022 Ratchet: MRE1022NV MR883** MR18	7/32"
TN148F		#6 - #8	0.31	0.84	0.67	0.26	YAES14N53F		
TN1410F		#8 - #10	0.37	0.84	0.68	0.27	YAES14N8F		
TN1414F		1/4	0.47	1.03	0.79	0.38	YAES14N54F		
TN106F	12-10 Max. Insul. Dia. Accom.: 0.21 Color Code: Yellow	#4 - #6	0.28	0.96	0.82	0.24	YAES10N11F	Non-Ratchet: Y10D Y1022 Ratchet: MRE1022NV MR883** MR18	11/32"
TN108F		#6 - #8	0.31	1.01	0.84	0.26	YAES10N56F		
TN1010F		#8 - #10	0.41	1.09	0.89	0.31	YAES10N12F		
TN1014F		1/4	0.50	1.21	0.96	0.38	YAES10N57F		

* Not UL Listed or CSA Certified.

** Or other tool conforming to military specification AS25036 or AS90413

TYPES YAE-N-F / YAE-N-F BOX

600 Volts Max.; 105° C Max.

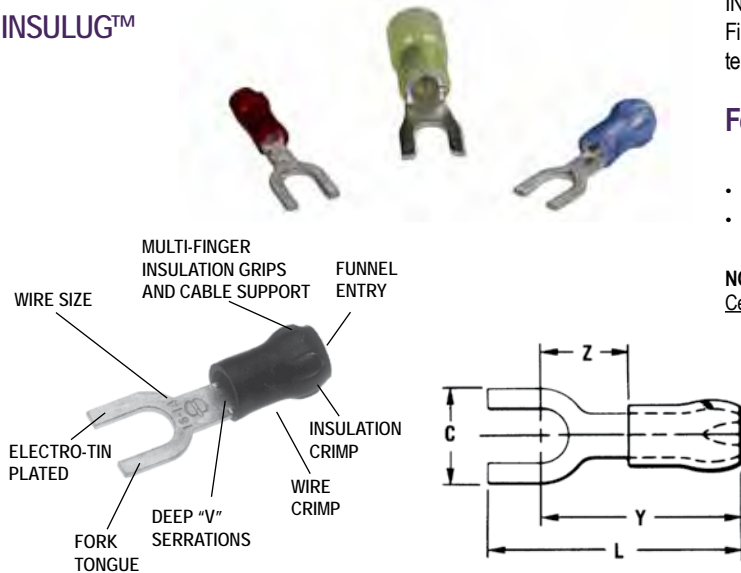
INSULUG™

INSULUG™ type YAE-N-F nylon insulated terminals are designed with a Multi-Finger Insulation grip, are rated 105° C and are supplied with a fork tongue for easy terminal insertion and removal.

Features & Benefits

- Fork tongue design for faster installation
- Screw needs only to be loosened (not completely removed) for termination

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Wire Range	Stud Size	Dimensions				Bulk Catalog Number	Installation Tooling**	Tape Mounted Catalog Number 2000/Reel	Tape Fed Installation Tooling	Wire Strip Length	
			C	L Max.	Y Max.	Z Min.						
YAE22N65FBOX*	24 - 20 Max. Insul. Dia.: 0.10" Sleeve Color: Amber	#2	0.18	0.73	0.63	0.22	YAE22N65F	Ratchet: M8ND N14HET25V1 Die	YAE22N65FM	OEM175TFM with TFM2218NV Die	5/32"	
YAE22N66FBOX*		#4 - #6	0.28	0.80	0.67	0.27			YAE22N66F			YAE22N66FM
YAE18N60FBOX*	22 - 16 Max. Insul. Dia.: 0.13" Sleeve Color: Red	#4	0.21	0.92	0.73	0.24	YAE18N60F	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022NV, MR833T1, M8ND with one of the following dies: N14HET25V1, N10ET9, N14HET15, N10ET23	—	OEM175TFM with TFM2218NV Die	3/16"	
YAE18G43FBOX		#4 - #6	0.25	0.78	0.68	0.18			YAE18G43F			YAE18G43FM
YAE18N56FBOX†		#4 - #6	0.28	0.82	0.71	0.21			YAE18N56F			—
YAE18N57FBOX		#6 - #8	0.31	0.96	0.77	0.28			YAE18N57F			YAE18N57FM
YAE18N58FBOX		#8	0.36	1.02	0.82	0.33			—			—
YAE14N76FBOX	16 - 14 Max. Insul. Dia.: 0.16" Sleeve Color: Blue	#4 - #6	0.28	0.85	0.74	0.25	YAE14N76F	Non-Ratchet: Y10D, Y1022 Ratchet: MR833T1, M8ND with one of the following dies: N14HET25V1, N10ET9, N14HET15, N10ET23	—	OEM175TFM with TFM1614NV Die	3/16"	
YAE14N77FBOX		#6 - #8	0.31	0.96	0.77	0.29			YAE14N77F			YAE14N77FM
YAE14N78FBOX		#8 - #10	0.36	1.01	0.79	0.20			YAE14N78F			YAE14N78FM
YAE10N80FBOX*	12 - 10	#4 - #6	0.35	1.02	0.67	0.29	—	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022NV, MR833T1, M8ND with one of the following dies: N14HET25V1, N10ET9, N14HET15, N10ET23	—	OEM175TFM with TFM1210NV Die	3/8"	
YAE10N81FBOX*		#6 - #8	0.35	1.02	0.67	0.29			—			—
YAE10N82FBOX*		#10 - #9	0.37	1.02	0.65	0.29			—			—
YAE10N83FBOX		1/4	0.50	1.20	0.70	0.29			—			—

* Not UL Listed or CSA Certified.

† Not UL Listed; is CSA Certified.

** For UL Listed applications, consult BURNDY® factory.

TYPE YHSA-F

HYDENT™ Heat Shrink Fork Tongue Terminals



For Copper Conductor; -55° through 110°C

Standard crimp terminals leave the wire exposed allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

Features & Benefits

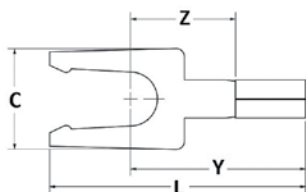
- Made from pure copper, annealed for maximum strength
- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog No. (100/bag)	Catalog No. (20/bag)	Stud Size	Conductor Size	Dimensions				Tongue Thickness	Installation Tooling	Wire Strip Length
				B	C	L	N			
YHSA18K6F	YHSA18K6FRK	4-6	22-18 AWG	0.22	0.25	1.17	0.32	0.04	MR22	5/16
YHSA18K8F	YHSA18K8FRK	6-8			0.32	1.17	0.32	0.04		
YHSA18K10F	YHSA18K10FRK	8-10			0.31	1.18	0.27	0.03		
YHSA14K6F	YHSA14K6FRK	4-6	16-14 AWG	0.22	0.25	1.17	0.30	0.04	MR22	5/16
YHSA14K8F	YHSA14K8FRK	6-8			0.34	1.17	0.30	0.04		
YHSA14K10F	YHSA14K10FRK	8-10			0.34	1.17	0.27	0.03		
—	YHSA14K14FRK	1/4			0.50	1.17	0.30	0.04		
YHSA10K6F	—	4-6	12-10 AWG	0.22	0.35	1.17	0.29	0.04	MR22	5/16
YHSA10K8F	YHSA10K8FRK	6-8			0.35	1.17	0.29	0.04		
YHSA10K10F	YHSA10K10FRK	8-10			0.37	1.16	0.27	0.04		
—	YHSA10K14FRK	1/4			0.50	1.17	0.30	0.04		

TYPE T-LF

HYLUG™



Type T-LF employs a locking fork tongue for fast installation and security.

Features & Benefits

- Locking fork tongue design allows fast installation - screw only has to be loosened for termination
- Internal configuration of the fork prevents the terminal from coming off the screw without applying a pulling force
- Locking fork is made from a copper alloy, permits many installations while maintaining proper spring retention of forks

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	C	L	Y	Z	Installation Tooling	Wire Strip Length
T166LF	22 - 16 AWG	#4 - #6	0.25	0.83	0.54	0.32	MRE1022B MR8G98 Y8MRB1 MR20 Y10D Y1022	9/32
T168LF		#6 - #8	0.31	0.83	0.57	0.32		
T1610LF		#8 - #10	0.31	0.83	0.63	0.32		
T146LF	16 - 14 AWG	#4 - #6	0.25	0.81	0.54	0.30	MRE1022B MR8G98 Y8MRB1 MR20 Y10D Y1022	9/32
T148LF		#6 - #8	0.30	0.83	0.57	0.30		
T1410LF		#8 - #10	0.32	0.83	0.63	0.30		
T106LF	12 - 10 AWG	#4 - #6	0.30	0.90	0.54	0.29	MRE1022B MR8G98 Y8MRB1 MR20 Y10D Y1022	11/32
T108LF		#6 - #8	0.33	0.90	0.57	0.29		
T1010LF		#8 - #10	0.35	0.90	0.63	0.29		

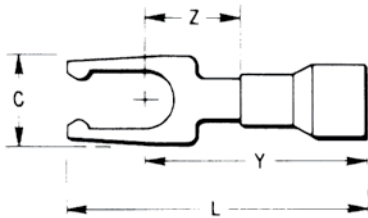
Small Terminals

Polyvinylchloride Insulated Locking Fork Tongue
Compression Terminals

TYPES TP-LF / BA-EL

600 Volts Max., 105° C Max.

VINYLUTM



Type TP-LF is a variation of the Type TP design and employs a locking fork tongue for fast installation and security.

Features & Benefits

- Locking fork tongue design; allows fast installation; screw only has to be loosened for termination
- Internal configuration of the fork prevents the terminal from coming off the screw without applying a pulling force
- Locking fork is made from a copper alloy and permits many installations while maintaining proper spring retention of forks



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

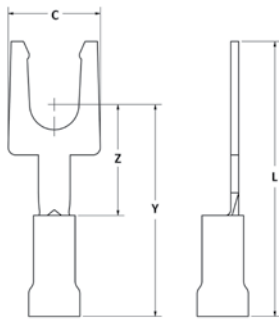
Catalog Number	Wire Range	Stud Size	Dimensions				Bulk Catalog Number .	Installation Tooling	Tape Mounted Catalog Number 2000/Reel	Tape Fed Installation Tooling	Wire Strip Length
			C	L. Max	Y Max.	Z Min.					
TP166LF	22 - 16 Max. Insul. Dia. Accom.: 0.15 Color Code: Red	#4 - #6	0.28	0.80	0.66	0.23	BA16EL6	Plier Type: Y1022	BA16EL6M	OEM175TFM with TFM2218NV Die	13/64
TP168LF		#6 - #8	0.31	0.86	0.69	0.26	BA16EL8		BA16EL8M		13/64
TP1610LF		#8 - #10	0.41	0.95	0.75	0.31	BA16EL10	Ratchet Tool: MRE1022NV MR8891 MR15	BA16EL10M		13/64
TP146LF	16 - 14 Max. Insul. Dia. Accom.: 0.18 Color Code: Blue	#4 - #6	0.28	0.80	0.66	0.23	BA14EL6	Plier Type: Y1022	BA14EL6M	OEM175TFM with TFM1614NV Die	13/64
TP148LF		#6 - #8	0.31	0.86	0.69	0.26	BA14EL8		BA14EL8M		13/64
TP1410LF		#8 - #10	0.41	0.95	0.75	0.31	BA14EL10	Ratchet Tool: MRE1022NV MR8891 MR15	BA14EL10M		13/64
TP106LF	12 - 10 Max. Insul. Dia. Accom.: 0.26 Color Code: Yellow	#4 - #6	0.28	0.95	0.81	0.26	BA10EL6	Plier Type: Y1022	* BA10EL6M	OEM175TFM with TFM1210NV Die	19/64
TP108LF		#6 - #8	0.31	0.98	0.81	0.26	BA10EL8		* BA10EL8M		19/64
TP1010LF		#8 - #10	0.41	1.07	0.87	0.31	BA10EL10	Ratchet Tool: MR8891 MR15	* BA10EL10M		19/64

• UL Listed and CSA Certified with MR8891 and MR15.

* 1000/Reel.

TYPE TN-LF

INSULUG™



300 Volts Max., 105° C Max.

The Type TN-LF, nylon insulated fork tongue terminal has the same high quality as the TN. It is designed to meet the heavy-duty requirements of industrial and utility applications.

Used on both power and control circuits for wire sizes #26 AWG through #10 AWG. The TN-LF provides high dielectric strength and stability in oily conditions.

The TN-LF is identical to the TN with the addition of a fork tongue which allows installation without complete removal of its supporting screw.

Features & Benefits

- Locking fork tongue design allows fast installation - screw only has to be loosened for termination
- Internal configuration of the fork prevents the terminal from coming off the screw without applying a pulling force
- Locking fork is made from a copper alloy, permits many installations while maintaining proper spring retention of forks

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	Dimensions				Installation Tooling	Wire Strip Length
			C	L Max.	Y Max.	Z Min.		
TN186LF	22 - 18 Max. Insul. Dia. Accom: 0.145 Color Code: Red	4-6	0.25	0.95	0.66	0.32	MRE1022NV, MR883, Y10D, Y1022	7/32
TN188LF		6-8	0.31	0.95	0.69	0.32		
TN1810LF		8-10	0.31	0.95	0.75	0.32		
TN146LF	16 - 14 Max. Insul. Dia. Accom: 0.180 Color Code: Blue	4-6	0.25	0.93	0.66	0.30	MRE1022NV, MR883, Y10D, Y1022	7/32
TN148LF		6-8	0.30	0.95	0.69	0.30		
TN1410LF		8-10	0.32	0.95	0.75	0.30		
TN106LF	12 - 10 Max. Insul. Dia. Accom: 0.260 Color Code: Yellow	4-6	0.30	1.02	0.66	0.29	MRE1022NV, MR883, Y10D, Y1022	11/32
TN108LF		6-8	0.33	1.02	0.69	0.29		
TN1010LF		8-10	0.35	1.02	0.75	0.29		

TYPE YAE-N-LF

300 Volts Max., 105° C Max.

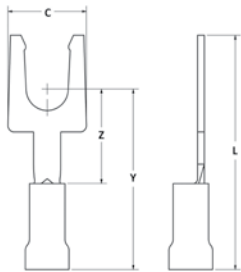
INSULUG™



The YAE-N-LF Locking Fork is nylon insulated with an insulation grip and accepts a 22-10 AWG wire. The spring-like tongue locks into place around the stud even when the mount screw is not tightened.

Features & Benefits

- Locking fork tongue design; allows fast installation; screw only has to be loosened for termination

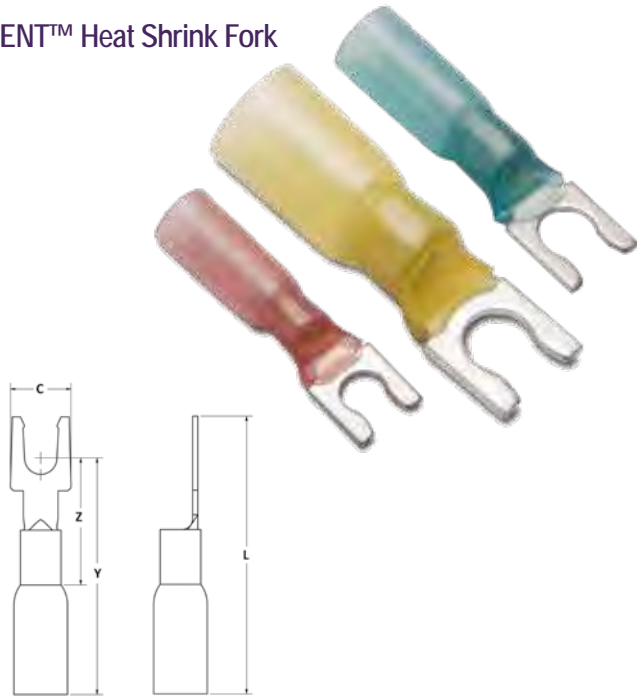


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	Dimensions				Installation Tooling	Wire Strip Length
			C	L Max.	Y Max.	Z Min.		
YAE18N104LFBOX	22 - 18	#4 - #6	0.25	0.95	0.66	0.32	MRE1022NV MR883 Y1022 Y10D	7/32
YAE18N105LFBOX		#6 - #8	0.31	0.95	0.69	0.32		
YAE18N106LFBOX		#8 - #10	0.31	0.95	0.75	0.32		
YAE14N107LFBOX	16 - 14	#4 - #6	0.25	0.93	0.66	0.30	MRE1022NV MR883 Y1022 Y10D	7/32
YAE14N108LFBOX		#6 - #8	0.30	0.95	0.69	0.30		
YAE14N109LFBOX		#8 - #10	0.32	0.95	0.75	0.30		
YAE10N110LFBOX	12 - 10	#4 - #6	0.30	1.02	0.81	0.29	MRE1022NV MR883 Y1022 Y10D	11/32
YAE10N111LFBOX		#6 - #8	0.33	1.02	0.81	0.29		
YAE10N112LFBOX		#8 - #10	0.35	1.02	0.87	0.29		

TYPE YHSA-K-LF

HYDENT™ Heat Shrink Fork



For Copper Conductor; -55° through 110°C

Standard crimp terminals leave the wire exposed allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

Features & Benefits

- Made from copper, annealed for maximum strength
- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

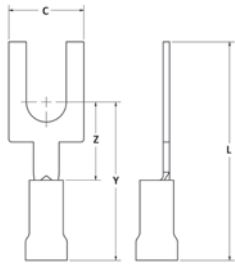
Catalog Number	Wire Range	Stud Size	L	C	Y	Z	Installation Tooling	Wire Strip Length
YHSA18K6LF	22 - 18	#6	1.20	0.25	0.66	0.32	MR22	7/32"
YHSA18K8LF		#8	1.20	0.31	0.69	0.32		
YHSA18K10LF		#10	1.20	0.31	0.75	0.32		
YHSA14K6LF	16 - 14	#6	1.18	0.25	0.66	0.30	MR22	7/32"
YHSA14K8LF		#8	1.20	0.30	0.69	0.30		
YHSA14K10LF		#10	1.20	0.32	0.75	0.30		
YHSA10K6LF	12 - 10	#6	1.27	0.30	0.81	0.29	MR22	11/32"
YHSA10K8LF		#8	1.27	0.33	0.81	0.29		
YHSA10K10LF		#10	1.27	0.35	0.87	0.29		

Small Terminals

Polyvinylchloride Insulated Block Fork Tongue Compression Terminals

TYPE TP-BF

INSULUG™



Type TP-BF terminals are made from pure electrolytic copper. Electro-tin plated for corrosion resistance and Polyvinylchloride insulated. Block spade design features squared off ends.

Features & Benefits

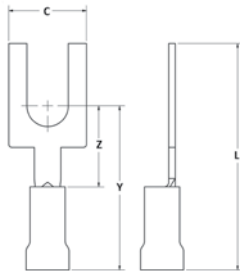
- Permits rapid, easy installation of the terminal under the screw head without complete removal of the screw

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	C	L	Y	Z	Installation Tooling	Wire Strip Length
TP166BF	22 - 16	#4 - #6	0.25	0.95	0.83	0.32	Y1022 MR8891 MR8G96 MR15 MRE1022NV	13/64
TP168BF		#6 - #8	0.31	0.95	0.79	0.32		
TP1610BF		#8 - #10	0.31	0.95	0.79	0.32		
TP146BF	16 - 14	#4 - #6	0.25	0.93	0.81	0.30	Y1022 MR8891 MR8G96 MR15 MRE1022NV	13/64
TP148BF		#6 - #8	0.30	0.95	0.80	0.30		
TP1410BF		#8 - #10	0.32	0.95	0.79	0.30		
TP106BF	12 - 10	#4 - #6	0.30	1.02	0.87	0.29	Y1022 MR8891 MR8G96 MR15 MRE1022NV	19/64
TP108BF		#6 - #8	0.33	1.02	0.86	0.29		
TP1010BF		#8 - #10	0.35	1.02	0.85	0.29		

TYPE TN-BF

HYDENT™



600 Volts Max., 105° C Max.

Type TN-BF terminals are made from pure electrolytic copper. Electro tin plated for corrosion resistance. Block spade design features squared-off ends.

Features & Benefits

- Permits rapid and easy installation of the terminal under the screw head without complete removal of the screw

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	C	L	Y	Z	Installation Tooling	Wire Strip Length
TN186BF	22 - 18	#4 - #6	0.25	0.95	0.83	0.32	MRE1022NV MR81A Y10D Y1022 M8ND with one of the following N14HET25V1, N10ET9, N14ET15, N10ET23	3/16"
TN188BF		#6 - #8	0.31	0.95	0.79	0.32		
TN1810BF		#8 - #10	0.31	0.95	0.79	0.32		
TN146BF	16 - 14	#4 - #6	0.25	0.93	0.81	0.30	MRE1022NV MR81A Y10D Y1022 M8ND with one of the following N14HET25V1, N10ET9, N14ET15, N10ET23	3/16"
TN148BF		#6 - #8	0.30	0.95	0.80	0.30		
TN1410BF		#8 - #10	0.32	0.95	0.79	0.30		
TN106BF	12 - 10	#4 - #6	0.30	1.02	0.87	0.29	MRE1022NV MR81A Y10D Y1022 M8ND with one of the following N14HET25V1, N10ET9, N14ET15, N10ET23	3/8"
TN108BF		#6 - #8	0.33	1.02	0.86	0.29		
TN1010BF		#8 - #10	0.35	1.02	0.85	0.29		

TYPE YAE-N-BF

600 Volts Max., 105° C Max.

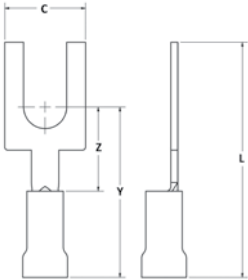
INSULUG™



Type YAE-N-BF terminals are a block spade design featuring squared-off ends.

Features & Benefits

- Rapid, easy installation of terminal under the screw head without the complete removal of the screw



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	C	L	Y	Z	Installation Tooling	Wire Strip Length
YAE18N104BFBOX	22 - 18	#4 - #6	0.25	0.95	0.83	0.32	MRE1022NV, MR81A, MR833T1, Y10D, Y1022, M8ND with one of the following dies: N14HET25V1, N10ET9, N14ET15, N10ET23	3/16"
YAE18N105BFBOX	22 - 18	#6 - #8	0.31	0.95	0.79	0.32		
YAE18N106BFBOX	22 - 18	#8 - #10	0.31	0.95	0.79	0.32		
YAE14N107BFBOX	16 - 14	#4 - #6	0.25	0.93	0.81	0.30	MRE1022NV, MR81A, MR833T1, Y10D, Y1022, M8ND with one of the following dies: N14HET25V1, N10ET9, N14ET15, N10ET23	3/16"
YAE14N108BFBOX	16 - 14	#6 - #8	0.30	0.95	0.80	0.30		
YAE14N109BFBOX	16 - 14	#8 - #10	0.32	0.95	0.79	0.30		
YAE10N110BFBOX	12 - 10	#4 - #6	0.30	1.02	0.87	0.29	MRE1022NV, MR81A, MR833T1, Y10D, Y1022, M8ND with one of the following dies: N14HET25V1, N10ET9, N14ET15, N10ET23	3/8"
YAE10N111BFBOX	12 - 10	#6 - #8	0.33	1.02	0.86	0.29		
YAE10N112BFBOX	12 - 10	#8 - #10	0.35	1.02	0.85	0.29		

TYPE YHSA-K-BF

HYDENT™ Heat Shrink Block Fork



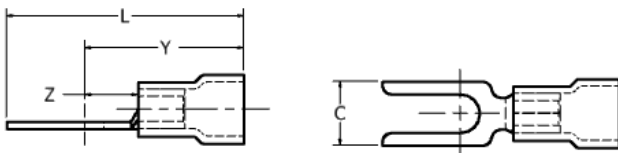
For Copper Conductor; -55° through 110°C

Standard crimp terminals leave the wire exposed allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

Features & Benefits

- Made from copper, annealed for maximum strength
- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Wire Range	Stud Size	C	L	Y	Z	Tongue Thickness	Installation Tooling	Wire Strip Length
YHSA18K6BF	22 - 18	#4 - #6	0.25	1.20	0.66	0.13	0.04	MR22	5/16"
YHSA18K8BF		#6 - #8	0.31	1.20	0.69	0.16	0.04	MR22	
YHSA18K10BF		#8 - #10	0.31	1.20	0.75	0.16	0.04	MR22	
YHSA14K6BF	16 - 14	#4 - #6	0.25	1.18	0.66	0.13	0.04	MR22	5/16"
YHSA14K8BF		#6 - #8	0.30	1.20	0.69	0.15	0.04	MR22	
YHSA14K10BF		#8 - #10	0.32	1.20	0.75	0.16	0.04	MR22	
YHSA10K10BF	12 - 10	#4 - #6	0.30	1.27	0.87	0.15	0.04	MR22	5/16"
YHSA10K6BF		#6 - #8	0.33	1.27	0.81	0.16	0.04	MR22	
YHSA10K8BF		#8 - #10	0.35	1.27	0.81	0.18	0.04	MR22	

TYPES YAV-H-F / YAV-Z

HYLUG™

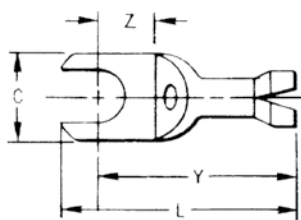
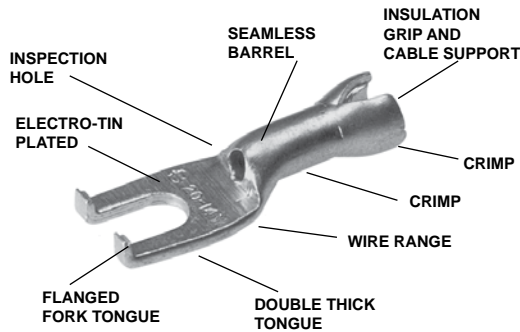


Fig .1

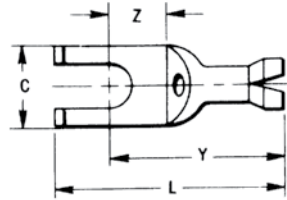


Fig .2

The type YAV-H-F HYLUG™ is a seamless heavy duty uninsulated compression fork tongue terminal with a shroud for an insulation grip and cable support. Manufactured from electrolytic copper tubing for use on copper commercial (code) cable, Type "AN" aircraft and extra flexible conductors.

The seamless tubing produces a double thick tongue while the seamless barrel design provides a very strong connector for very demanding applications that require highly reliable connections.

In addition to the benefits described for the YAV box series of connectors the YAVH-F Box and YAV-Z terminals provide the following benefits:

Features & Benefits

- Flanged fork permits installation of compression terminal under screw head without complete removal of the screw while also aiding to maintain the terminal on the stud should the screw loosen slightly



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Fig.	Wire Range	Stud Size	Max. Insul. Dia. Accom.	C	L Max	Y Max	Z Min	Bulk Catalog #	Installation Tooling	Wire Strip Length
YAV18H6FBOX	1	22-18	4-6	0.120	0.25	0.89	0.80	0.19	YAV18H6F	Non-Ratchet: Y10D*, Y14MV, Y1022* Ratchet: MR8G98, MR89Q, Y8MRB1*, MR20, and M8ND with N14HT5 Die or N14HT	1/4"
YAV18H19FBOX	1		4-6	0.120	0.30	0.97	0.75	0.21	YAV18H19F		
YAV18H21FBOX	1		8-10	0.120	0.37	0.97	0.76	0.22	YAV18H21F		
YAV14Z5BOX	2	20-14	4-6	0.150	0.31	0.86	0.69	0.13	YAV14Z5		
YAV14H32FBOX	1		4-6	0.150	0.30	0.96	0.78	0.23	YAV14H32F		
YAV14H56FBOX	1		6-8	0.150	0.30	0.96	0.78	0.23	YAV14H56F		
YAV14H34FBOX	1		8-10	0.150	0.38	0.96	0.78	0.23	YAV14H34F		
YAV14HFBOX	1		8-10	0.150	0.31	0.92	0.78	0.23	YAV14HF		
YAV14Z6BOX	2	8-10	0.150	0.37	1.00	0.78	0.21	YAV14Z6			
YAV10HFBOX	1	12-10	8-10	0.192	0.38	1.07	0.78	0.24	YAV10HF	N10HT24	7/16"

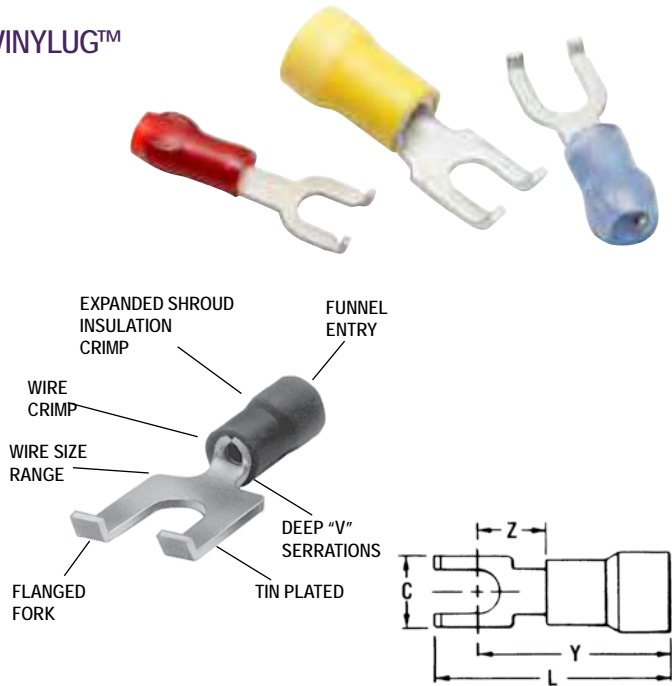
* Crimps conductor crimp only.

TYPES TP-Z / BA-EZ

600 Volts Max., 105° C Max.

VINYLUG™

VINYLUG™ Type TP-Z is a variation of the Type TP and employs a flanged fork tongue for fast installation and security.



Features & Benefits

- Flange fork tongue design allows fast installation as screw only has to be loosened for termination
- The flanges on the end of the fork terminal aid in preventing a slightly loose terminal from becoming fully disconnected from the screw
- Flanges make re-securing a loose terminal easier



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	Dimensions				Bulk Catalog Number	Installation Tooling	Wire Strip Length
			C	Y Max.	Z Min.	L Max.			
TP162Z	22 - 16 Max. Insul. Dia. Accom.: 0.15 Color Code Red	#1 - #2	0.17	0.66	0.23	0.78	BA16EZ2	MRE1022NV, MR15, Y1022*, Y6NCB with J1022NC4	1/4"
TP166Z		#4 - #6	0.28	0.66	0.23	0.83	BA16EZ6		
TP168Z		#6 - #8	0.31	0.69	0.26	0.88	BA16EZ8		
TP1610Z		#8 - #10	0.41	0.75	0.31	0.96	BA16EZ10		
TP142Z	16 - 14 Max. Insul. Dia. Accom.: 0.18 Color Code: Blue	#1 - #2	0.17	0.66	0.23	0.78	BA14EZ2	MRE1022NV, MR15, Y1022*, Y6NCB with J1022NC4	1/4"
TP146Z		#4 - #6	0.28	0.66	0.23	0.83	BA14EZ6		
TP148Z		#6 - #8	0.31	0.69	0.26	0.88	BA14EZ8		
TP1410Z		#8 - #10	0.41	0.75	0.31	0.96	BA14EZ10		
TP106Z	12 - 10 Max. Insul. Dia. Accom.: 0.26 Color Code: Yellow	#4 - #6	0.28	0.81	0.26	0.99	—	MRE1022NV, MR15, Y6NCB with J1022NC4, M8ND* with N10ET23	11/32"
TP108Z		#6 - #8	0.31	0.81	0.26	1.01	BA10EZ8		
TP1010Z		#8 - #10	0.41	0.87	0.31	1.09	BA10EZ10		

* Tools highlighted with asterisks are NOT UL Listed when used with the connectors on this page.

Small Terminals

Nylon Insulated Flanged Fork,
Multi-Finger Insulation Grip

TYPE YAE-Z / YAE-Z BOX

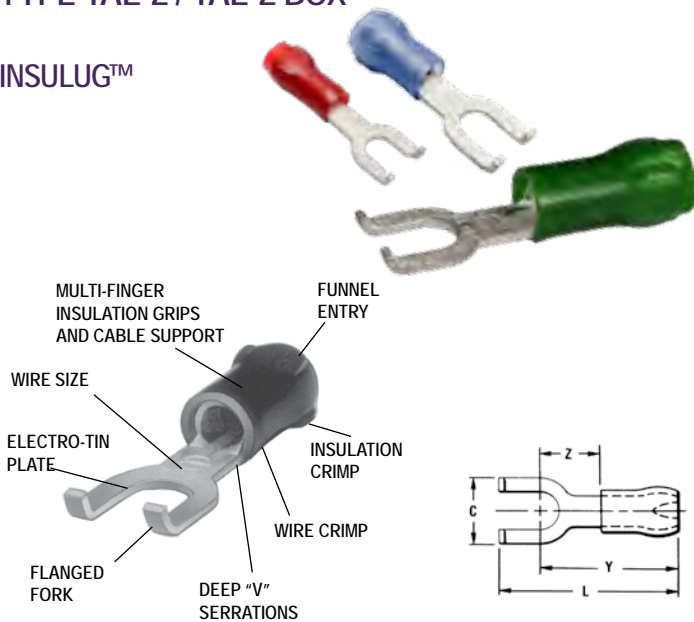
600 Volts Max., 105° C Max.

INSULUG™

INSULUG™ Type YAE-Z is identical to Type YAE-N and employs a flanged fork tongue for faster installation while maintaining security if supporting screw becomes loose.

Features & Benefits

- Flanged fork permits rapid, easy installation of the terminal under the screw head without complete removal of the screw
- Additionally, it may not be removed with only a slight loosening of the screw



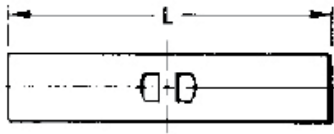
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	Dimensions				Bulk Catalog Number	Installation Tooling	Wire Strip Length
			C	Z Min.	Y Max.	L Max.			
YAE22Z1BOX *	26 - 20 Max. Insul. Dia.: .098" Sleeve Color: Amber	#2	0.18	0.21	0.63	0.75	YAE22Z1	MRE1022NV, MR833T1, M8ND with one of the following dies: N14HET15, N10ET9, N10ET23, N14HET25V1 Y10D, Y1022	5/32"
YAE22Z2BOX *		#4 - #6	0.28	0.24	0.67	0.83	YAE22Z2		
YAE22Z3BOX *		#6 - #8	0.31	0.28	0.70	0.92	YAE22Z3		
YAE18Z1BOX	22 - 16 Max. Insul. Dia. Accom.: .125" Color Code: Red	#2	0.18	0.21	0.70	0.83	YAE18Z1	MRE1022NV, MR833T1, M8ND with one of the following dies: N14HET15, N10ET9, N10ET23, N14HET25V1 Y10D, Y1022	3/16"
YAE18Z2BOX		#4 - #6	0.28	0.24	0.74	1.00	YAE18Z2		
YAE18Z3BOX		#6 - #8	0.31	0.28	0.77	1.00	YAE18Z3		
YAE18Z4BOX		#8 - #10	0.36	0.32	0.82	1.08	YAE18Z4		
YAE14Z2BOX	16 - 14 Max. Insul. Dia. Accom.: .156" Color Code: Blue	#4 - #6	0.28	0.25	0.74	0.90	YAE14Z2	MRE1022NV, MR833T1, M8ND with one of the following dies: N14HET15, N10ET9, N10ET23, N14HET25V1 Y10D, Y1022	3/16"
YAE14Z3BOX		#6 - #8	0.31	0.29	0.77	1.00	YAE14Z3		
YAE14Z4BOX		#8 - #10	0.36	0.33	0.82	1.08	YAE14Z4		
YAE12Z2BOX	14 - 12 Max. Insul. Dia. Accom.: .180" Color Code: Green	#4 - #6	0.28	0.25	0.88	1.04	YAE12Z2	MRE1022NV, MR833T1, M8ND with N12HET1 Y10D, Y1022	21/64"
YAE12Z3BOX		#6 - #8	0.31	0.30	0.93	1.16	YAE12Z3		
YAE12Z4BOX		#8 - #10	0.36	0.34	0.97	1.23	YAE12Z4		

* UL Recognized and CSA Certified; Not UL Listed

TYPE YSV-B

HYLINK™



HYLINK™ Type YSV-B rolled splice connectors are used to splice stranded and solid copper conductors in virtually all heavy duty industrial and general purpose applications.

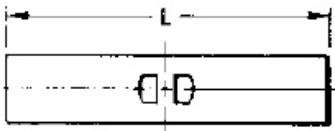
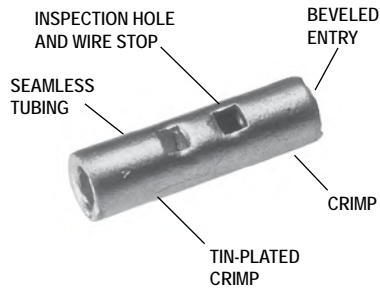
Features & Benefits

- Constructed of pure electrolytic copper to provide maximum conductivity, low resistance and ductility provided excellent crimp forming properties
- Electro-tin plated for durable long-lasting corrosion resistance

Catalog Number	Wire Range	L	Installation Tooling	Wire Strip Length
YSV18BBOX	22 - 18 AWG	0.62	Y10D Y1022 MRE1022B Y8MRB1 MR89Q MR8G98 MR20	1/4"
YSV14BBOX	16 - 14 AWG	0.64		1/4"
YSV10BBOX	12 - 10 AWG	0.75		5/16"

TYPE YSV

HYLINK™



HYLINK™ Type YSV seamless splice connectors are used to splice stranded and solid copper conductors in virtually all heavy duty industrial and general purpose applications.

Features & Benefits

- Manufactured from seamless tubing; a high quality design with no seams to split
- Electrolytic copper provides maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Electro-tin plated provides durable long lasting resistance to corrosion
- Positive center wire stops for proper depth of wire insertion
- Marked with wire size providing easy wire size identification
- The HYLINK™ splice connectors feature inspection holes providing easy visual inspection of proper wire insertion

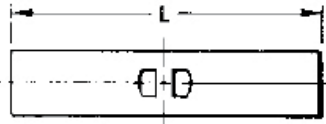
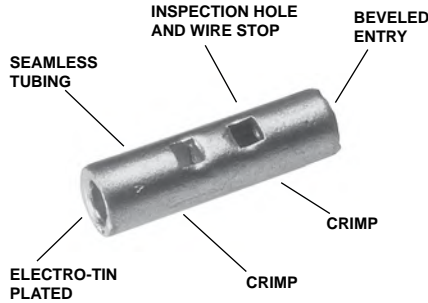


Catalog Number	Wire Range AWG, AN, Aircraft	L	Bulk Catalog Number	Installation Tooling	Wire Strip Length
YSV18BOX	22 - 18	0.62	YSV18	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR20, Y8MRB1, MR89Q*, MR8G98	1/4"
YSV14BOX	20 - 14	0.64	YSV14	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR20, Y8MRB1, MR89Q*, MR8G98	1/4"
YSV10BOX	12 - 10	0.75	YSV10	Non-Ratchet: Y10D, Y1022 Ratchet: MRE1022B, MR20, Y8MRB1, MR89Q*, MR8G98	5/16"

* Remove stop plate

TYPE YSV-L

HYLINK™



HYLINK™ Type YSV-L seamless splice connector is used to splice AN type aircraft cables plus commercial stranded and solid AWG conductors. Suitable for aircraft, light duty industrial and general purpose applications.

Features & Benefits

- Manufactured from seamless tubing; A high quality design with no seams to split
- Electrolytic copper provides maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Electro-tin plated to provide durable long lasting resistance to corrosion
- Wire stop provides proper depth of wire insertion
- Marked with wire size provides easy wire size identification
- The HYLINK™ splice connectors have inspection holes to provide easy visual inspection for proper wire insertion



Catalog Number	Wire Range Aircraft-AN Comm'l-AWG Str. & Sol.	Dimensions L	Bulk Catalog Number	Installation Tooling			Wire Strip Length	
				Ratchet	HYTOOL™ **	• 35 Series		
						Nest		Indenter
YSV8CLBOX	8 AWG	1.00	YSV8CL	MR89Q, Y8MRB1, Y1MRTC	MY28 (for Type AH Aircraft Cable); All others: MY293, MY2911 1 Crimp	UV8L	Y34PL	7/16"
YSV6CLBOX	6 AWG	1.12	YSV6CL	Y1MRTC, MR4C		UV6L	Y34PLA	5/8"
YSV4CLBOX	4 AWG	1.12	YSV4CL	Y1MRTC, MR4C		UV4L	Y34PLA	5/8"
YSV2CLBOX	2 AWG	1.41	YSV2CL	Y1MRTC		UV2L	Y34PLA	5/8"
YSV1CLBOX	1 AWG	1.46	YSV1CL	—		UV1L	Y34PLA	5/8"
YSV25LBOX	1/0 AWG	1.53	YSV25L	—		UV25L	Y34PA	11/16"
YSV26LBOX	2/0 AWG	1.78	YSV26L	—		UV26L	Y34PA	13/16"
YSV27LBOX	3/0 AWG	1.81	YSV27L	—		UV27L	Y34PA	13/16"
YSV28LBOX	4/0 AWG	1.94	YSV28L	—		UV28L	Y34PA	7/8"

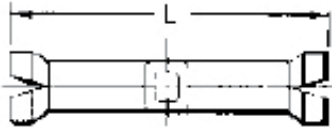
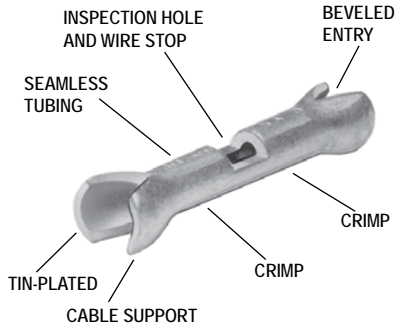
* Remove stop plate

• Use Y35P3 Indenter Adaptor.

** Bench Mount Adaptor (Catalog Number: BMYBCHMT) is available for MY Series HYTOOL™

TYPE YSV-H

HYLINK™



The Type YSV-H HYLINK™ seamless splice connectors have the added benefit of an insulation support and cable strain relief.

Features & Benefits

- Manufactured from seamless tubing
- High quality design with no seams to split
- Electrolytic copper provides maximum conductivity, low resistance, and ductility for excellent crimp forming properties
- Electro-tin plated to provide durable long lasting resistance to corrosion
- Positive center wire stops provide proper depth of wire insertion
- Marked with wire size for easy wire size identification
- HYLINK™ splice connectors have inspection holes for easy visual inspection of proper wire insertion

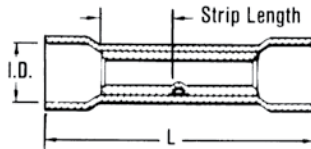
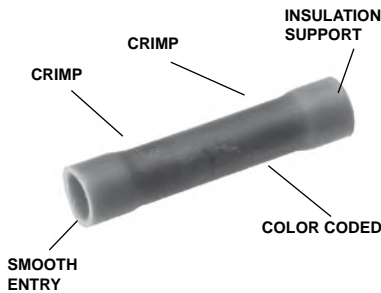


Catalog Number	Wire Range AWG, AN, Aircraft	L	Bulk Catalog Number	Installation Tooling	Wire Strip Length
YSV18HBOX	22 - 18	0.89	YSV18H	MRE1022B MR89Q* MR8G98	1/4"
YSV14HBOX	20 - 14	0.94	YSV14H		1/4"
YSV10HBOX	12 - 10	1.06	YSV10H		5/16"

* Remove stop plate.

TYPE SP

VINYLINK™



600 Volts Max., 105° C Max.

Type SP VINYLINK™ butt splices are PVC insulated, seamless and designed to accommodate a broad range of 600 volt cables.

Features & Benefits

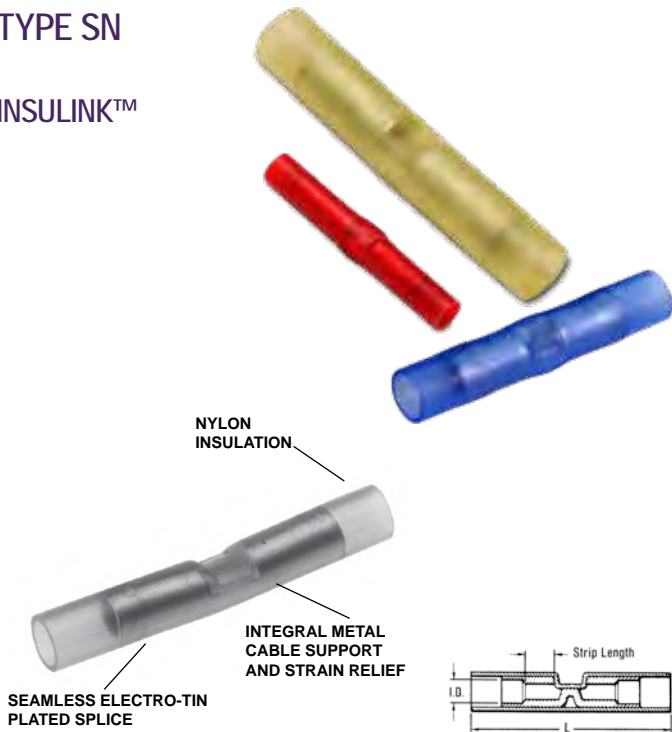
- Manufactured from seamless electrolytic copper tubing to provide maximum conductivity and tensile strength in a high quality design with no seams to split
- Funnel entry for easy wire insertion
- Electro-tin plated providing durable, long lasting resistance to corrosion
- Expanded insulation support to lower inventory requirements
- Red wire range of 22-16 also assists to lower inventory requirements
- Vinyl insulation provides an economical means of providing high dielectric values and cable insulation support



Catalog Number	Wire Range	Color Code	Bulk Catalog Number	Dimensions (Inches)		Installation Tooling	Wire Strip Length
				L Max.	Max Insul. Dia		
SP16	22 - 16	Red	BS16	1.00	0.15	Non-Ratchet: Y1022 Ratchet: MRE1022NV MR8G98 MR15 MR8891	1/4"
SP14	16 - 14	Blue	BS14	1.00	0.18	Non-Ratchet: Y1022 Ratchet: MRE1022NV MR8G98 MR15 MR8891	1/4"
SP10	12 - 10	Yellow	BS10	1.23	0.26	Non-Ratchet: Y1022 Ratchet: MRE1022NV MR8G98 MR15 MR8891	21/64"

TYPE SN

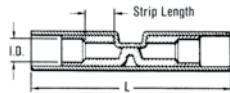
INSULINK™



NYLON
INSULATION

INTEGRAL METAL
CABLE SUPPORT
AND STRAIN RELIEF

SEAMLESS ELECTRO-TIN
PLATED SPLICE



600 Volts Max., 105° C Max.

The Type SN INSULINK™ is a high quality nylon-insulated butt splice designed to meet heavy duty application requirements.

Meets the functional requirements of SAE-AS7928 and conforms to the requirements of NAS1388.

Features & Benefits

- Manufactured from seamless tubing — a high quality design with no seams to split
- Pure electrolytic copper for maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Electro-tin plated provides durable long-lasting resistance to corrosion
- Positive center wire stops for proper depth of wire insertion
- Color-coded in red, blue and yellow — provides easy wire size identification
- Manufactured from one-piece tin-plated seamless copper tubing with an integral barrel/insulation grip — provides maximum tensile strength, plus excellent cable support and strain relief and eliminates failures due to vibration
- Smooth funnel entry provides easy wire insertion
- Window position locator for full cycle ratchet tool crimp — provides proper tool/connector alignment for correct crimp
- Nylon insulation offers high dielectric strength and stability in oily environmental conditions — maintains a high quality connection in demanding applications
- The nylon is locked into position; the connector will not move

Catalog Number	Wire Range	Color Code	Bulk Catalog Number	L Max.	Max Insul Dia	Installation Tooling	Wire Strip Length
SN18	22 - 18	Red	YSE18HN	1.25	0.12	Plier: Y10D Y1022 Ratchet: MRE1022NV MR883 MR18	15/64"
SN14	16 - 14	Blue	YSE14HN	1.25	0.15	Plier: Y10D Y1022 Ratchet: MRE1022NV MR883 MR18	7/32"
SN10	12 - 10	Yellow	YSE10HN	1.64	0.22	Plier: Y10D Y1022 Ratchet: MRE1022NV MR883 MR18	3/8"

TYPE SN-B

INSULINK™

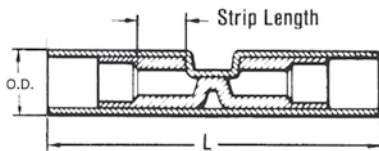


600 Volts Max., 105° C Max.

The Type SN-B INSULINK™ is a high quality nylon-insulated butt splice.

Features & Benefits

- Tin plated copper brazed butt seam
- Smooth funnel entry provides easy wire insertion
- Nylon insulation offers high dielectric strength and stability



Catalog Number	Wire Range	Color Code	L	OD	Installation Tooling	Wire Strip Length
SN18B	22 - 18 AWG	Red	1.25	0.12	Y10D Y1022 MRE1022NV MR885	15/64"
SN14B	16 - 14 AWG	Blue	1.25	0.15	Y10D Y1022 MRE1022NV MR885	7/32"
SN10B	12 - 10 AWG	Yellow	1.64	0.22	Y10D Y1022 MRE1022NV MR885	3/8"

TYPES YSE / YSE-H BOX

600 Volts Max., 105° C Max.

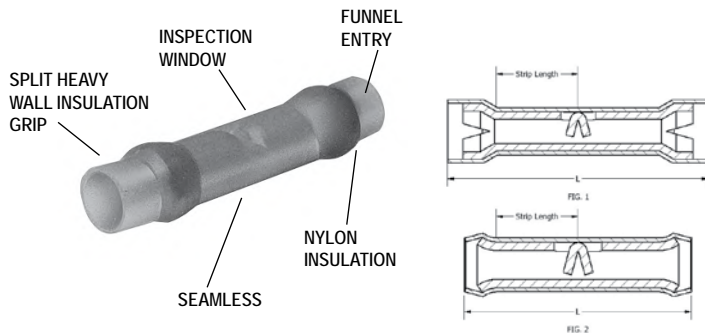
INSULINK™



Types YSE and YSE-H INSULINK™ splices are high quality nylon insulated splices designed for splicing aircraft and commercial flexible cables.

Features & Benefits

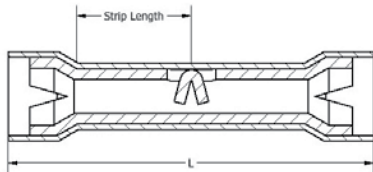
- Manufactured from tin plated, seamless electrolytic copper tubing with integral barrel/insulation grip — providing maximum conductivity and tensile strength along with excellent cable support and strain relief
- Split heavy wall insulation grip for stronger insulation grip and strain relief
- Smooth funnel entry for easy wire insertion
- Transparent nylon insulation for easy wire inspection



Catalog Number	Figure	Wire Range (Code, AWG, Aircraft, AN)	Color Code	Bulk Catalog Number	L Max.	Max Dia. Insul.	Installation Tooling	Wire Strip Length
YSE18HBOX	1	22 - 18	Red	YSE18H	1.22	0.12	Y10D Y1022 Ratchet: MRE1022NV MR833T1	9/32"
YSE14HBOX	1	16 - 14	Blue	YSE14H	1.36	0.15	Y10D Y1022 Ratchet: MRE1022NV MR833T1	11/32"
YSE10BOX	2	12 - 10	Yellow	YSE10	1.15	0.21	Y10D Y1022 Ratchet: MRE1022NV MR833T1	23/64"

TYPE YSE-HHS

HYDENT™



For Copper Conductor; -55° through 110°C

Heat shrink butt splices are color-coded to industry wire standard range. Heat shrink protects against corrosion.

Features & Benefits

- Manufactured from tin plated, seamless electrolytic copper tubing with integral barrel for maximum conductivity and tensile strength, plus excellent cable support and strain relief
- Smooth funnel entry provides easy wire insertion
- Transparent heat shrink insulation provides waterproofing and weather resistance

Catalog Number	Wire Range	L	W	Installation Tooling	Wire Strip Length
YSE18HHS	18 - 22	1.50	0.17	Y10D, Y1022 MR833T1	9/32"
YSE14HHS	16 - 14	1.50	0.20	Y10D, Y1022 MR833T1	11/32"
YSE10HHS	12 - 10	1.60	0.25	Y10D, Y1022 MR833T1	23/64"

TYPE YHSS

HYDENT™

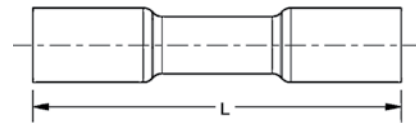


For Copper Conductor; -55° through 110°C

Standard crimp terminals leave the wire exposed, allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

Features & Benefits

- Made from pure copper, annealed for maximum strength
- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

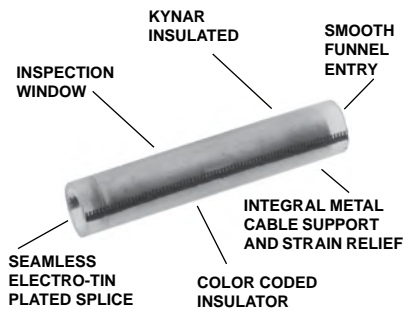


Catalog Number (100/bag)	Catalog No. (20/bag)	Conductor Size	L
YHSS18	YHSS18RK	22 - 18 AWG	1.50"
YHSS14	YHSS14RK	16 - 14 AWG	1.50"
YHSS10	YHSS10RK	12 - 10 AWG	1.60"

Recommended Tooling MR22

TYPE YSES-K

INSULINK™

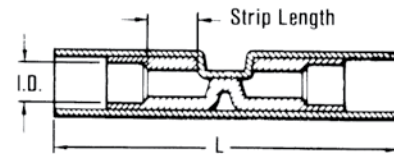


Polyvinylidene Fluoride (PVF2) Insulated
200 Megarads; 60°C through 150°C; 600 Volts

Type YSES-K radiation resistant insulated splices are suitable for class 1E applications plus non critical nuclear associated applications. The splice is manufactured from pure electrolytic copper seamless tubing which eliminates potentially splitting of seams. A color code stripe is used for wire size identification and a window is provided for inspection of proper wire insertion.

Features & Benefits

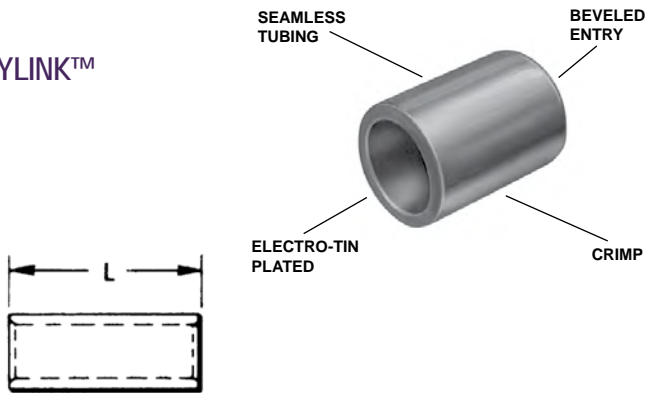
- These insulated splices are suitable for class 1E applications
- Pure electrolytic copper seamless tubing eliminates potential splitting of seams
- Color coded stripe identifies wire size
- Window is provided for inspection of proper wire insertion
- Suitable for 200 Megarads Rated 60°C through 150°C; 600 Volts



Catalog Number	Wire Range	Color Stripe	Dimension Max. Insul. Dia. Accom.	L Max.	Installation Tooling	Wire Strip Length
YSES18K	22-18	Red	0.11	1.00	Ratchet Tool: MR10G8 Red Groove Calibration Gauge: PG3731 Crimp ID Mark: (1) Small Dot	3/16"
YSES14K	16-14	Blue	0.15	1.00	Ratchet Tool: MR10G8 Blue Groove Calibration Gauge: PG3711 Crimp ID Mark: (2) Small Dots	3/16"
YSES10K	12-10	Yellow	0.21	1.38	Ratchet Tool: MR10G8 Yellow Groove Calibration Gauge: PG3721 Crimp ID Mark: (1) Large Dot	7/16"

TYPE YSM

HYLINK™



HYLINK™ Type YSM seamless parallel splice connector permits wires to be laid parallel inside the connector and spliced together with the BURNDY family of HYTOOL™ installation tooling. Each YSM connector accommodates a wide combination of round, square, and rectangular copper conductors that have a total combined circular mil area listed in the table below. The conductors to be spliced must physically fit within the splice without being forced.

Features & Benefits

- Seamless tubing
- Beveled barrel for ease of wire entry
- Tin plated
- Parallel design results in only one crimp necessary
- Uninsulated barrel provides an economical termination solution when insulation is not specified

Catalog Number	Circular Mil. Range	Dim. L	Installation Tooling						Wire Strip Length
			Ratchet	Mechanical HYTOOL™	Y29 Series		35, 750 Series		
					Nest	Indenter	Nest	Indenter	
YSM18	300 - 1,909	0.25	MR89Q*	—	—	—	—	—	5/16
YSM14	477 - 4,107	0.25	Y14MRQ Y8MRB1	—	—	—	—	—	5/16
YSM10	4,107 - 10,380	0.36	MR89Q* MR4CQ Y10MRQ Y8MRB1	—	—	—	—	—	7/16
YSM8C	6,088 - 16,864	0.41	Y2MR MR4CQ MR89Q*	MY2911 or MY28 (1) Crimp	DV8L-1	Y29PQ	UV8L	Y29PQ	1/2
YSM6C	10,380 - 26,813	0.44	Y2MR		DV6L	Y29PQ	UV6L	Y29PQ	1/2
YSM4C	26,813 - 42,613	0.50	MR4CQ		DV4L	Y29PQ	UV4L	Y29PQ	9/16
YSM2C	42,613 - 66,832	0.62	Y2MR		DV2L	Y29PQ	UV2L	Y29PQ	11/16
YSM1C	66,832 - 81,807	0.62	—		DV1L	Y29PQ	UV1L	Y29PQ	11/16
YSM25	81,807 - 104,110	0.69	—		DV25L	Y29PQ6	UV25L	Y29PQ6	3/4
YSM26	104,110 - 133,650	0.81	—		DV26L	Y29PQ6	UV26L	Y29PQ6	7/8
YSM27	133,650 - 167,332	0.81	—		DV27L	Y29PQ6	UV27L	Y29PQ6	7/8
YSM28	167,332 - 211,954	0.88	—		DV28L	Y29PQ6	UV28L	Y29PQ6	5/16

Wire Size	Area Cir. Mils.	Solid Wire Dia. (In.)	Concentric Str. Max. Dia. (In.)
30	100.5	0.010003	0.012
29	126.7	0.01126	—
28	159.8	0.01264	0.015
27	201.5	0.01420	—
26	254.1	0.01594	0.019
25	320.4	0.01790	—
24	404.0	0.02010	0.024
23	509.5	0.02257	—
22	642.4	0.02535	0.030
21	810.1	0.02845	—
20	1022	0.03196	0.038
19	1288	0.03589	—
18	1624	0.04030	0.0460
17	2048	0.04526	—
16	2583	0.05082	0.0585
15	3257	0.05707	—
14	4107	0.06408	0.0735

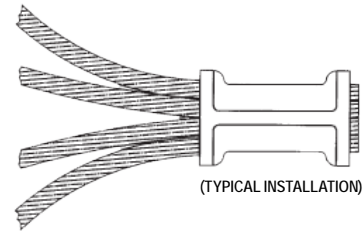
Wire Size	Area Cir. Mils.	Solid Wire Dia. (In.)	Concentric Str. Max. Dia. (In.)	Flex. Bunch or Rope Lay Dia. (In Approx.)
13	5178	0.07196	—	—
12	6530	0.08081	0.0931	0.101
11	8234	0.09074	—	—
10	10380	0.1019	0.117	0.126
9	13090	0.1144	0.132	0.146
8	16510	0.1285	0.148	0.157-0.162
7	20820	0.1433	0.166	0.179-0.196
6	26250	0.1620	0.186	0.207-0.215
5	33100	0.1819	0.209	0.235-0.240
4	41740	0.2043	0.235	0.263-0.269
3	52640	0.2294	0.264	0.219-0.305
2	66370	0.2576	0.297	0.319-0.337
1	83690	0.2893	0.333	0.367-0.376
1/0	105500	0.3249	0.374	0.441-0.423
2/0	133100	0.3648	0.420	0.500-0.508
3/0	167800	0.4096	0.472	0.549-0.576
4/0	211600	0.4600	0.530	0.613-0.645

TYPE YSCM

HYLINK™



Type YSCM HYLINK™ seamless parallel splice connectors permit stranded wires to be laid parallel inside the connector and spliced together with BURNDY® compression tools. Each YSCM connector accommodates a wide range of conductors and is color-coded to ensure proper tool and die match. YSCM connectors are cULus Listed Wire Connectors per UL 486A/B. Additionally, they are cULus Listed for Grounding and Bonding per UL 467 and rated for direct burial in Earth and Concrete.



Catalog Number	Conductor Range Cable†		Dimensions Inches [mm]		Color Code	Die Index	Recommended Installation Tooling		Wire Stript Length
	Circular Mils		L ±.03	O.D. ±.01			OUR840, 500, 600 Series	35, 750 Series	
	Min.	Max.							
YSCM17	13,060	16,910	0.5 [13]	0.27 [7]	Red	49	X8CRT, W8CRT	U8CRT	11/16
YSCM27	16,910	26,890	0.5 [13]	0.31 [8]	Blue	7	X5CRT, W5CRT	U5CRT	11/16
YSCM42	29,970	41,520	0.5 [13]	0.38 [10]	Gray	8	X4CRT, W4CRT	U4CRT	11/16
YSCM66	42,750	66,040	0.62 [16]	0.47 [12]	Brown	10	X2CRT, W2CRT	U2CRT	3/4
YSCM80	67,980	80,020	0.62 [16]	0.52 [13]	Green	11	X1CRT1, W1CRT1	U1CRT1	3/4
YSCM104	82,870	103,630	0.69 [18]	0.57 [14]	Pink	12	X25RT, W25RT	U25RT	15/16
YSCM133	104,960	133,220	0.81 [21]	0.64 [16]	Black	13	X26RT, W26RT	U26RT	1-1/16
YSCM167	134,340	166,560	0.81 [21]	0.7 [18]	Orange	14	X27RT, W27RT	U27RT	1-1/16
YSCM212	167,380	211,820	0.88 [22]	0.78 [20]	Purple	15	X28RT, W28RT	U28RT	1-1/16
YSCM231	230,800	230,800	1.05 [27]	0.8 [21]	Yellow	16	X29RT, W29RT, *	U29RT	1-1/16

Notes:

Material: Copper per ASTM B75.
 Finish: Tin plated. For nickel plating, add suffix "NK" to the Catalog Number.
 Dimensions in brackets [] are in millimeters rounded off to the nearest millimeter, unless otherwise noted, and are for reference only.
 †Recommended strip length. Strip length dependent on size, no. of wires and insulation thickness.
 ‡Refer to Circular Mil Table per ASTM B8 for total Class B Circular Mil calculations.
 *YSCM231 can also be installed with MY29-3 and retain Listings.

Add the circular mils of the wires you wish to splice; that sum would be used to determine the correct splice using the Min/Max columns on the table above.

The tables to the right are for reference only.

Size		ASTM Strandings	
Circular Mils	AWG	Class	Cable Diameter (in)
1,022	20	B	0.036
1,624	18	B	0.045
2,583	16	B	0.057
4,107	14	B	0.072
6,530	12	B	0.091
10,380	10	B	0.116
13,090	9	B	0.130
16,510	8	B	0.146
20,820	7	B	0.164
26,250	6	B	0.184
33,100	5	B	0.206
41,740	4	AA	0.254
41,740	4	B & A	0.232
52,630	3	AA	0.285
52,630	3	B & A	0.260

Size		ASTM Strandings	
Circular Mils	AWG	Class	Cable Diameter (in)
66,370	2	AA	0.320
66,370	2	B & A	0.292
83,690	1	AA	0.360
83,690	1	A	0.328
83,690	1	B	0.332
105,500	1/0	A & A	0.368
105,500	1/0	-	0.390
105,500	1/0	B	0.373
133,100	2/0	A & A	0.414
133,100	2/0	-	0.438
133,100	2/0	B	0.419
167,800	3/0	A & A	0.464
167,800	3/0	-	0.492
167,800	3/0	B	0.470
211,600	4/0	A & A	0.522
211,600	4/0	-	0.522
211,600	4/0	B	0.528

TYPES YSV / YRV-L

HYREDUCER™



The HYREDUCER™ is a connector for splicing two different size wires. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed of pure electrolytic copper tubing for maximum conductivity, tin plated to resist corrosion, the HYREDUCER™ accommodates a wide range of cable sizes.

Dimensional information may be found in Table 1.
Table 2 is a comprehensive tooling index for these connectors.

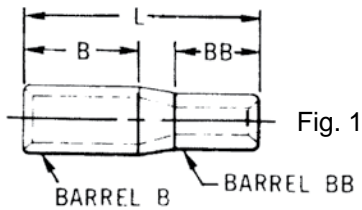


Fig. 1

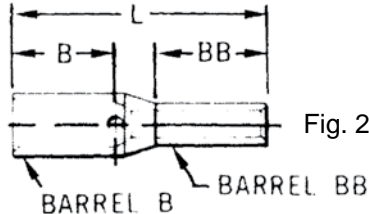


Fig. 2

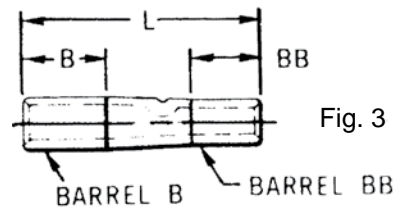


Fig. 3

Catalog Number	Wire Range AWG, AN, Aircraft	Fig. No.	B Barrel*			BB Barrel*			L Max.
			Wire Size	B Dim.	Tool Index	Wire Size	BB Dim.	Tool Index	
YSV1418	22 - 14	1	20 - 14	0.27	1	22 - 18	0.27	2	0.60
YSV1214G1	16 - 12	2	12	0.31	4	16 - 14	0.27	1	0.81
YSV1014G2	20 - 10	2	12 - 10	0.31	4	20 - 14	0.27	1	0.77
YRV8CV14L	20 - 8	3	8	0.44	5	20 - 14	0.39	1	1.16
YRV8CV10L	12 - 8	3	8	0.44	5	12 - 10	0.53	4	1.15
YRV6CV10L	12 - 6	3	6	0.50	6	12 - 10	0.53	4	1.25
YRV6CV8CL	8 - 6	3	6	0.50	6	8	0.53	5	1.18
YRV4CV6CL	6 - 4	3	4	0.50	7	6	0.54	6	1.24
YRV2CV6CL	6 - 2	3	2	0.62	8	6	0.51	6	1.60

* B and BB dimensions are wire strip lengths.

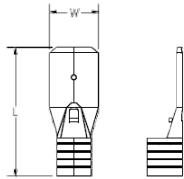
TOOL INDEX

Index Number	Hand Tools	Tools With Dies	
		Y29 Series	
1	MR8G98	—	
2	Y8MRB1	—	
	MR89Q†	—	
4	MR20	—	
5	Y8MRB1 MY28 MR4C Y1MRTC	Nest	Indentor
		DV8L1*	Y29PL
6	MY28 MR4C Y1MRTC	DV6L	Y29PL
7	MY28 MR4C Y1MRTC	DV4L	Y29PL
8	Y1MRTC MY28	DV2L	Y29PL

* For aircraft applications (flexible cables).

TYPE Q-M

FINGRIP™ Non-Insulated Male Quick Disconnects



Non insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a male-type blade which slides into a female-type receptacle.

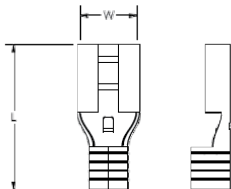
Features & Benefits

- Butted seam
- Chamfered barrel opening for quick and easy wire insertion
- Mates with dimpled female socket detent for a firm grip

Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length	Bulk Catalog Number
Q18M11X02D	18 - 22	0.110 X 0.020	0.66	0.110	MRE1022B MR20 Y10D Y1022	3/8"	—
Q18M18X02D		0.187 X 0.020	0.66	0.187			Q18M18X02B
Q18M25X03D		0.250 X 0.032	0.66	0.250			Q18M25X03B
Q14M18X02D	14 - 16	0.187 X 0.020	0.66	0.187			Q14M18X02B
Q14M25X03D		0.250 X 0.032	0.66	0.250			Q14M25X03B
Q10M25X03D	12 - 10	0.250 X 0.032	0.66	0.250			—

TYPE Q-F

FINGRIP™ Non-Insulated Female Quick Disconnects



Non-insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which slides onto a male-type blade.

Features & Benefits

- Butted seam
- Chamfered barrel opening for quick and easy wire insertion
- Dimpled female socket detent ensure firm grip

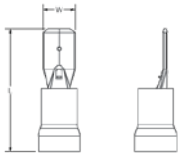
Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tooling	Wire Strip Length	Bulk Catalog Number
Q18F11X02D	18 - 22	0.110 x 0.020	0.66	0.110	MRE1022B Y10D MR20	3/8"	—
Q18F18X02D		0.187 x 0.020		0.187			Q18F18X02B
Q18F25X03D		0.250 x 0.032		0.250			Q18F25X03B
Q14F11X02D	14 - 16	0.110 x 0.020		0.110			Q14F11X02B
Q14F18X02D		0.187 x 0.020		0.187			Q14F18X02B
Q14F25X03D		0.250 x 0.032		0.250			Q14F25X03B
Q10F11X02D	12 - 10	0.110 x 0.020	0.110	—			
Q10F18X02D		0.187 x 0.020	0.187	—			
Q10F25X03D		0.250 X 0.032	0.250	Q10F25X03B			

Small Terminals

Vinyl Insulated Tin-Plated Brass Male / Female
Compression Quick Disconnects

TYPE QP-M

FINGRIP™ Vinyl Insulated
Male Quick Disconnects



600 Volts Max., 105° C Max.

Vinyl insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a male-type blade which slides into a female-type receptacle.

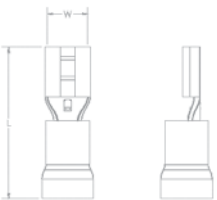
Features & Benefits

- Butted seam
- Funnel entry barrel opening for quick and easy wire insertion
- Mates with dimpled female socket detent for a firm grip

Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length	Bulk Catalog Number
QP18M11X02D	18 - 22	0.11 X 0.02	0.76	0.11	MRE1022NV Y1022 Y10D	3/8"	—
QP18M18X02D		0.19 X 0.02	0.76	0.19			QP18M18X02B
QP18M25X03D		0.25 X 0.03	0.84	0.25			QP18M25X03B
QP14M11X02D	14 - 16	0.11 X 0.02	0.76	0.11	MRE1022NV Y1022 Y10D	3/8"	—
QP14M18X02D		0.19 X 0.02	0.76	0.19			QP14M18X02B
QP14M25X03D		0.25 X 0.03	0.84	0.25			QP14M25X03B
QP10M25X03D	12 - 10	0.25 X 0.03	0.93	0.25	MRE1022NV Y1022 Y10D	3/8"	—

TYPE QP-F

FINGRIP™ Vinyl Insulated
Female Quick Disconnects



600 Volts Max., 105° C Max.

Vinyl insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which slides onto a male-type blade.

Features & Benefits

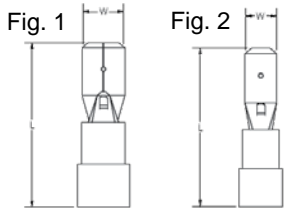
- Butted seam
- Insulated connectors eliminate the need for post installation insulation
- Funnel entry barrel opening for quick and easy wire insertion
- Dimpled female socket detent ensure firm grip

Catalog Number	Wire Range	NEMA Tab Size	L	W	Bulk Catalog Number	Installation Tool	Wire Strip Length
QP18F11X02D	16 - 22	0.11 X 0.02	0.75	0.11	—	MRE1022NV Y10D	3/8"
QP18F18X02D		0.19 X 0.02	0.79	0.22	QP18F18X02B		
QP18F25X03D		0.25 X 0.03	0.87	0.29	QP18F25X03B		
QP14F11X02D	14 - 16	0.11 X 0.02	0.75	0.11	—	MRE1022NV Y10D	3/8"
QP14F18X02D		0.19 X 0.02	0.79	0.23	QP14F18X02B		
QP14F25X03D		0.25 X 0.03	0.87	0.29	QP14F25X03B		
QP10F18X02D*	10 - 12	0.19 X 0.02	0.98	0.29	QP10F18X02B	MRE1022NV Y10D	3/8"
QP10F25X03D		0.25 X 0.03	0.98	0.29	QP10F25X03B		
QP10F38X05D*		0.38 X 0.05	1.12	0.39	—		

* Not cULus.

TYPE QN-M

FINGRIP™ Nylon Insulated Male Quick Disconnects



300 Volts Max., 105° C Max.

Nylon insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a male-type blade which slides into a female-type receptacle.

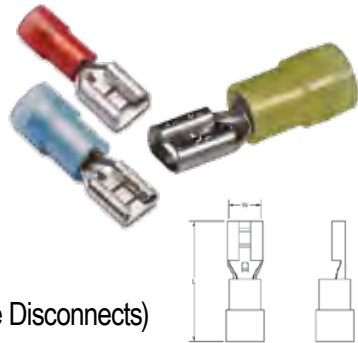
Features & Benefits

- Sleeved barrel
- Funnel entry barrel opening assures quick and easy wire insertion
- Mates with dimpled female socket detent ensuring firm grip

Catalog Number	Figure Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length	Bulk Catalog Number
QN18M18X02D	2	18 - 22	0.19 X 0.02	0.80	0.19	MRE1022NV Y10D Y1022	3/8"	QN18M18X02B
QN18M25X03D	1		0.25 X 0.03	0.87	0.25			QN18M25X03B
QN14M18X02D	2	14 - 16	0.19 X 0.02	0.80	0.19	MRE1022NV Y10D Y1022	3/8"	QN14M18X02B
QN14M25X03D	1		0.25 X 0.03	0.87	0.25			QN14M25X03B
QN10M25X03D	1	12 - 10	0.25 X 0.03	0.95	0.25	MRE1022NV Y10D Y1022	3/8"	—

TYPE QN-F

FINGRIP™ Nylon Insulated Female Quick Disconnects



300 Volts Max., 105° C Max.

Nylon insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which slides onto a male-type blade.

Features & Benefits

- Sleeved barrel
- Insulated connector eliminate the need for post installation insulation
- Funnel entry barrel opening assures quick and easy wire insertion
- Dimpled female socket detent ensures firm grip

(Mates with Type QN-M Male Disconnects)

Standard Catalog Number	Std. Pkg. Qty.	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length	Bulk Catalog Number	Bulk. Pkg. Qty.
QN18F11X02D	100	18 - 22	0.11 X 0.02	0.77	0.11	MRE1022NV Y10D Y1022	3/8"	QN18F11X02B	1000
QN18F18X02D			0.19 X 0.02	0.79	0.19			QN18F18X02B	
QN18F25X03D			0.25 X 0.03	0.87	0.25			QN18F25X03B	
QN14F11X02D	100	14 - 16	0.11 X 0.02	0.77	0.11	MRE1022NV Y10D Y1022	3/8"	QN14F11X02B	1000
QN14F18X02D			0.19 X 0.02	0.79	0.19			QN14F18X02B	
QN14F25X03D			0.25 X 0.03	0.87	0.25			QN14F25X03B	
QN10F18X02D*	50	12 - 10	0.19 X 0.02	0.87	0.19	MRE1022NV Y10D Y1022	3/8"	QN10F18X02B*	1000
QN10F25X03D			0.25 X 0.03	0.95	0.25			QN10F25X03B	

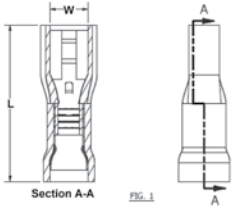
* Not cULus.

Small Terminals

Vinyl Fully Insulated Tin-Plated Brass Female Quick Disconnects /
Nylon Fully Insulated Tin-Plated Brass Male Quick Disconnects

TYPE FQP-F

FINGRIP™ Vinyl Fully Insulated Female Quick Disconnects



600 Volts Max., 105° C Max.

Vinyl insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which allows the terminal to slide onto a male-type blade.

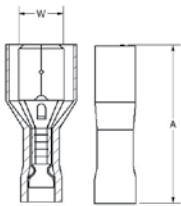
Features & Benefits

- Fully insulated connectors eliminate the need for post installation insulation
- Funnel entry barrel opening assures quick and easy wire insertion
- Dimpled female socket detent ensuring firm grip

Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length
FQP18F11X03D	18 - 22	0.11 X 0.03	0.79	0.11	MRE1022NV Y1022	3/8"
FQP18F18X02D		0.19 X 0.02	0.80	0.19		
FQP18F25X03D		0.25 X 0.03	0.90	0.25		
FQP14F11X03D	14 - 16	0.11 X 0.03	0.79	0.11	MRE1022NV Y1022	3/8"
FQP14F18X02D		0.19 X 0.02	0.80	0.19		
FQP14F25X03D		0.25 X 0.03	0.90	0.25		
FQP10F25X03D	10 - 12	0.25 X 0.03	0.97	0.25	MRE1022NV Y1022	3/8"

TYPE FQN-M

FINGRIP™ Nylon Fully Insulated Male Quick Disconnects



600 Volts Max., 105° C Max.

Nylon fully insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a male-type receptacle which slides into a female-type receptacle.

Features & Benefits

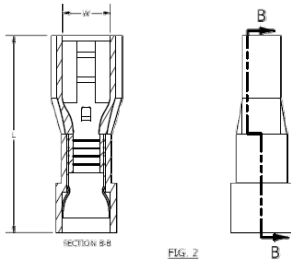
- Fully insulated connectors eliminate the need for post installation insulation
- Funnel entry barrel opening assures quick and easy wire insertion
- Dimpled female socket detent ensuring firm grip

Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length	Bulk Catalog Number
FQN18M18X02D*	18 - 22	0.19 X 0.02	0.88	0.19	MRE1022NV Y10D Y1022	3/8"	—
FQN18M25X03D	18 - 22	0.25 X 0.03	0.80	0.25			FQN18M25X03B
FQN14M18X02D*	14 - 16	0.19 X 0.02	0.80	0.19	MRE1022NV Y10D Y1022	3/8"	—
FQN14M25X03D	14 - 16	0.25 X 0.03	0.88	0.25			FQN14M25X03B
FQN10M25X03D	10 - 12	0.25 X 0.03	0.96	0.25	MRE1022NV	3/8"	FQN10M25X03B

* Not cULus.

TYPE FQN-F

FINGRIP™ Nylon Fully Insulated Female Quick Disconnects



Tin Plated Brass; 300 Volts Max., 105° C Max.

Fully insulated quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which allows the terminal to slide onto and off a male-type blade.

Features & Benefits

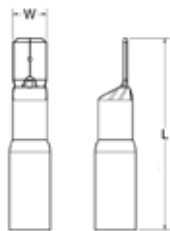
- Fully insulated connectors eliminate the need for post installation insulation
- Funnel entry barrel opening for quick and easy wire insertion
- Dimpled female socket detent for a firm grip

Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length
FQN18F25X03D	18 - 22	.250 X .032	.90	.250	MRE1022NV Y10D Y1022	3/8"
FQN14F18X02D*	14 - 16	.187 x .020	.90	.187	MRE1022NV Y10D Y1022	3/8"
FQN14F25X03D	14 - 16	.250 X .032	.90	.250		
FQN10F25X03D	10 - 12	.250 X .032	.98	.250	MRE1022NV Y10D Y1022	3/8"

* Not cULus.

TYPE YHSQ-M

HYDENT™ Heat Shrink Insulated Male Quick Disconnects



For Copper Conductor; -55° through 110°C

Standard crimp terminals leave the wire exposed allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

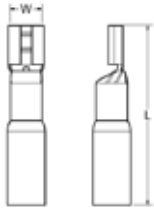
Features & Benefits

- Made from pure copper, annealed for maximum strength
- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

Catalog No. (100/bag)	Catalog No. (20/bag)	Conductor Size	NEMA Tab Size	Dimensions		Installation Tooling	Wire Strip Length
				W	L		
YHSQ18M25X03	YHSQ18M25X03RK	22-18 AWG	0.250 X 0.032	0.25	1.25	MR22	5/16"
YHSQ14M25X03	YHSQ14M25X03RK	16-14 AWG	0.250 X 0.032	0.25	1.25	MR22	5/16"
YHSQ10M25X03	YHSQ10M25X03RK	12-10 AWG	0.250 X 0.032	0.25	1.19	MR22	5/16"

TYPE YHSQ-F

HYDENT™ Heat Shrink Insulated Female Quick Disconnects



Tin Plated Brass; -55° through 110°C

Standard crimp terminals leave the wire exposed allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

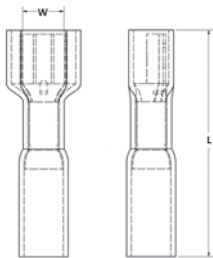
Features & Benefits

- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

Catalog No. (100/bag)	Catalog No. (20/bag)	Conductor Size	Tab Size	Dimensions		Installation Tooling	Wire Strip Length
				W	L		
YHSQ18F11X02D	—	22-18 AWG	0.110 X 0.020	0.16	1.28	MR22	5/16"
YHSQ18F18X02D	—		0.187 X 0.020	0.23	1.28		
YHSQ18F25X03	YHSQ18F25X03RK		0.250 X 0.032	0.30	1.27		
YHSQ14F11X02D	—	16-14 AWG	0.110 X 0.020	0.16	1.28	MR22	5/16"
YHSQ14F18X02D	—		0.187 X 0.020	0.23	1.28		
YHSQ14F25X03	YHSQ14F25X03RK		0.250 X 0.032	0.30	1.27		
YHSQ10F25X03	YHSQ10F25X03RK	12-10 AWG	0.250 X 0.032	0.30	1.27	MR22	5/16"

TYPE YHSFQ-F

HYDENT™ Fully Insulated Female Quick Disconnects



Tin Plated Brass; -55° through 110°C

Standard crimp terminals leave the wire exposed, allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

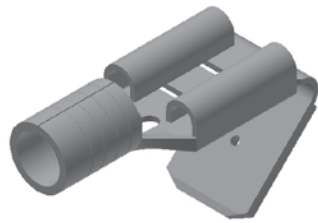
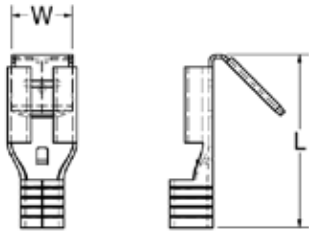
Features & Benefits

- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

Catalog No. (100/bag)	Catalog No. (20/bag)	Conductor Size	NEMA Tab Size	Dimensions		Installation Tooling	Wire Strip Length
				W	L		
YHSFQ18F25X03	YHSFQ18F25X03RK	22-18 AWG	0.250 X 0.032	0.38	1.28	MR22	5/16"
YHSFQ14F25X03	YHSFQ14F25X03RK	16-14 AWG	0.250 X 0.032	0.38	1.28	MR22	5/16"
YHSFQ10F25X03	YHSFQ10F25X03RK	12-10 AWG	0.250 X 0.032	0.38	1.34	MR22	5/16"

TYPE PG

Male / Female Combination Quick Disconnects



Tin-plated brass piggy-back connectors are designed to allow for additional terminals to be connected.

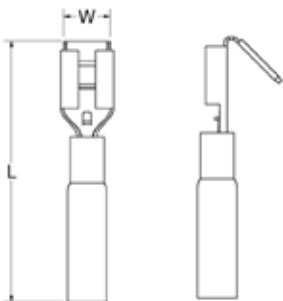
Features & Benefits

- Sleeved barrel
- Combination connector allows for more than one connection to a circuit
- Funnel entry barrel opening assures quick and easy wire insertion
- Dimpled female socket detent ensure firm grip

Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length
PG1825X03D	22 - 18 AWG	0.250 X 0.032	0.79	0.25	MRE1022B, Y10D, Y1022	3/8"
PG1425X03D	16 - 14 AWG	0.250 X 0.032	0.79	0.25	MRE1022B, Y10D, Y1022	3/8"
PG1025X03D	12 - 10 AWG	0.250 X 0.032	0.89	0.25	MRE1022B, Y10D, Y1022	3/8"

TYPE PGHS

Heat Shrink Insulated Male / Female Combination Quick Disconnects



For Copper Conductor; -55° through 110°C

Standard crimp terminals leave the wire exposed, allowing in moisture or other contaminants which can result in corrosion. Corrosion reduces the amount of current the wire can carry safely. The integrity of the electrical system can be compromised when unsealed electrical connections are utilized. Heat shrink terminals provide a durable seal blocking out contaminants ensuring a better connection.

Features & Benefits

- Made from pure copper, annealed for maximum strength
- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance

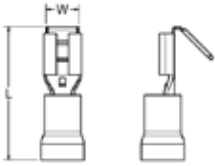
Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length
PGHS1825X03D	22 - 18 AWG	0.250 X 0.032	0.91	0.25	Y10D Y1022 MR22	5/16"
PGHS1425X03D	16 - 14 AWG	0.250 X 0.032	0.91	0.25	Y10D Y1022	5/16"

TYPE PGP

600 Volts Max., 105° C Max.

FINGRIP™ Vinyl Insulated Male/Female Combination Quick Disconnects

Tin-plated brass, vinyl insulated piggy-back connectors are designed to allow for additional terminals to be connected.



Features & Benefits

- Sleeved barrel
- Combination connector allows for more than one connection to a circuit
- Funnel entry barrel opening assures quick and easy wire insertion
- Dimpled female socket detent ensure firm grip

Standard Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length	Bulk Catalog Number
PGP1825X03D	18 - 22	0.250 X 0.032	0.91	0.28	MRE1022NV Y1022	3/8"	PGP1825X03B
PGP1425X03D	14 - 16	0.250 X 0.032	0.91	0.28	MRE1022NV Y1022	3/8"	PGP1425X03B
PGP1025X03D	10 - 12	0.250 X 0.032	0.95	0.28	MRE1022NV Y1022	3/8"	PGP1025X03B

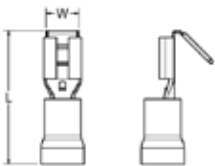
* For UL Listed applications, consult BURNDY® factory.

TYPE PGN

600 Volts Max., 105° C Max.

FINGRIP™ Nylon Insulated Male/Female Combination Quick Disconnects

Nylon insulated tin-plated brass quick disconnects allow for quickly connecting or disconnecting a terminal. The design also allows for additional terminals to be connected easily.



Features & Benefits

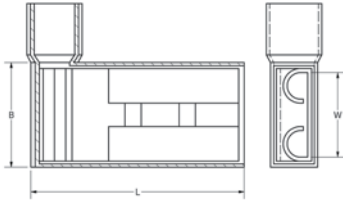
- Sleeved barrel
- Combination connector allows for more than one connection to a circuit
- Funnel entry barrel opening assures quick and easy wire insertion
- Dimpled female socket detent ensures firm grip

Standard Catalog Number	Wire Range	NEMA Tab Size	L	W	Installation Tool	Wire Strip Length	Bulk Catalog Number
PGN1825X03D	18 - 22	0.250 X 0.032	0.90	0.28	MRE1022NV Y10D	3/8"	PGN1825X03B
PGN1425X03D	14 - 16	0.250 X 0.032	0.90	0.28	MRE1022NV Y10D	3/8"	PGN1425X03B
PGN1025X03D	10 - 12	0.250 X 0.032	0.95	0.28	MRE1022NV Y10D	3/8"	PGN1025X03B

* For UL Listed applications, consult BURNDY® factory.

TYPE FLN

FINGRIP™ Nylon Flag-Style Female Quick Disconnect



Flag style female quick disconnects provide quick, reliable, snap-together interconnections without the use of tools. Side entrance chamfer to permit connections of 90° without bending the wire.

Features & Benefits

- Dimpled female socket detent ensure firm grip

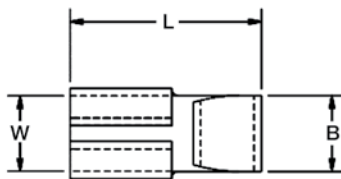
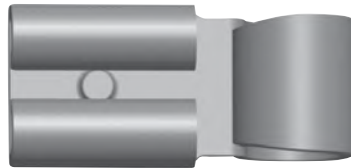


Catalog Number	Wire Range	NEMA Tab Size	L	B	W	Installation Tool	Wire Strip Length
FLN1825X03D	22 - 18	0.250 X 0.032	0.60	0.40	0.25	MRE1422FLN	3/8"
FLN1425X03D	16 - 14	0.250 X 0.032	0.63	0.40	0.25	MRE1422FLN	3/8"
FLN1025X03D*	12 - 10	0.250 X 0.032	0.64	0.40	0.25	MRE1422FLN	3/8"

* Not cULus.

TYPE FL

FINGRIP™ Flag-Style Female Quick Disconnect



Flag style female quick disconnects provide quick, reliable, snap-together interconnections without the use of tools. Side entrance chamfer to permit connections of 90° without bending the wire.

Features & Benefits

- Dimpled female socket detent ensure firm grip



Catalog Number	Std. Pkg. Qty	Wire Range	NEMA Tab Size	L	B	W	Installation Tool	Wire Strip Length	Bulk Catalog Number	Bulk Pkg. Qty
FL1825X03D	100	18 - 22	0.250 x 0.032	0.67	0.17	0.25	BTH450	3/8"	FL1825X03B	1000
FL1425X03D	100	14 - 16	0.250 x 0.032	0.67	0.17	0.25	BTH450	3/8"	FL1425X03B	1000
FL1025X03D	50	10 - 12	0.250 x 0.032	0.67	0.17	0.25	BTH450	3/8"	FL1025X03B	1000

TYPE YAIT

QIKTAP™ Splices



QIKTAP™ connectors are quick and convenient. Makes quick splices with no stripping, twisting, soldering, or special tooling.

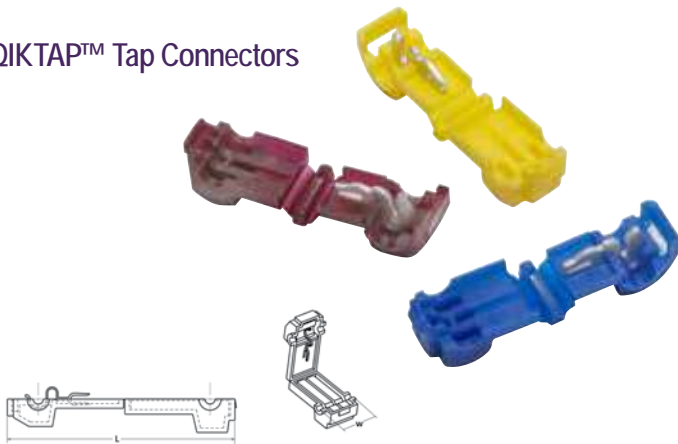
Features & Benefits

- Easy to use
- Saves time
- Color coded
- No special tooling required, just squeeze to install
- Dependable connection

Catalog Number	Wire Range	L	W
YAIT2218R	22 - 18	0.80	0.37
YAIT1814B	16 - 14	0.80	0.37
YAIT1210Y	12 - 10	0.80	0.37

TYPE TTV

QIKTAP™ Tap Connectors



Type TTV electrical connectors allow for an easy tap off of a run conductor. This tap allows for a male quick disconnect to complete the tap connection. This is especially useful when multiple re-connections could be necessary.

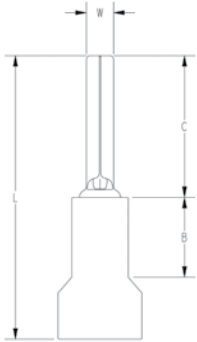
Features & Benefits

- Allows user to tap into a wire in mid-span without cutting or stripping the wire
- Connector then mates with a .250 inch male quick disconnect tab, making a reusable quick-connect wiring termination

Catalog Number	Wire Range	Insulation Color	W	L
TTV18	22 - 18 AWG	Red	0.38	1.44
TTV14	16 - 14 AWG	Blue	0.38	1.44
TTV10	12 - 10 AWG	Yellow	0.38	1.44

TYPE PTV

VINYLUTM



Insulated Pin Terminals are electrical connectors used to terminate stranded wires, creating a quality, reliable connection by ensuring each wire strand conducts current when properly crimped. This is especially useful when multiple reconnections could be necessary within terminal blocks or other similar devices. No breakage of wire strands when wire is bent, under stress or in a vibration environment.

Features & Benefits

- Vinyl insulation
- Color-coded barrels
- Provides an easy and effective way to terminate stranded wire into European/metric-style terminal blocks

Catalog Number	Wire Range	B	C	L	W	Installation Tooling	Wire Strip Length
PTV18	22 - 18 AWG	0.19	0.41	0.80	0.07	MRE1022NV Y1022	5/16"
PTV14	16 - 14 AWG	0.19	0.41	0.80	0.07	MRE1022NV Y1022	5/16"
PTV10	12 - 10 AWG	0.27	0.50	0.97	0.11	MRE1022NV Y1022	5/16"

TYPE YF-UI

Bare Ferrules



For Use on Copper Conductor

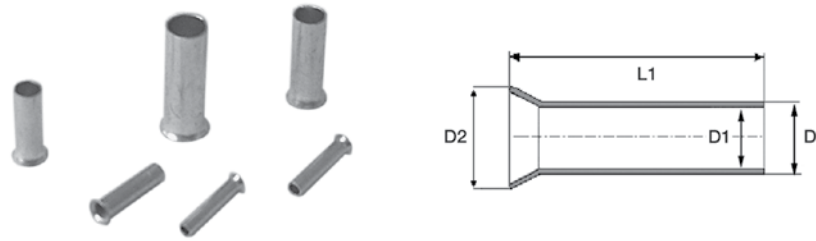
Wire ferrules are also known as cord end terminals or bootlace ferrules. These are electrical connectors used to terminate stranded wires. Made of electrolytically tin plated copper, uninsulated ferrules are designed to form neat end terminations to multi-strand cables or wires. Smooth funnel entry assists in wire insertion.

Features & Benefits

- Made of electrolytic copper, tin plated
- Seamless barrels
- Smooth funnel entry to make wire insertion easier
- RoHS compliant

Catalog Number	Wire Size		Dimensions in Inches				Recommended Tooling
	AWG	mm ²	L1 Dim (in)	D Dim (in)	D1 Dim (in)	D2 Dim (in)	
YF2807UI	28	0.14	0.28	0.04	0.03	0.06	YF3206TOOL
YF2605UI	26	0.25	0.19	0.04	0.03	0.06	YF3206TOOL YF2610TOOL
YF2607UI	26	0.25	0.28	0.04	0.03	0.06	
YF2405UI	24	0.34	0.19	0.05	0.03	0.06	
YF2407UI	24	0.34	0.28	0.05	0.03	0.06	
YF2206UI	22	0.50	0.24	0.05	0.04	0.09	YF3206TOOL YF2610TOOL YF2214TOOL YF2210TOOL YF2210FL
YF2208UI	22	0.50	0.32	0.05	0.04	0.07	
YF2210UI	22	0.50	0.40	0.05	0.04	0.07	
YF2212UI	22	0.50	0.40	0.05	0.04	0.07	
YF2006UI	20	0.75	0.24	0.06	0.05	0.10	
YF2010UI	20	0.75	0.39	0.06	0.05	0.08	
YF2012UI	20	0.75	0.47	0.06	0.05	0.08	
YF1806UI	18	1.00	0.24	0.07	0.06	0.11	
YF1808UI	18	1.00	0.32	0.07	0.06	0.09	
YF1810UI	18	1.00	0.39	0.07	0.06	0.09	
YF1812UI	18	1.00	0.47	0.07	0.06	0.09	
YF1607UI	16	1.50	0.28	0.08	0.07	0.09	
YF1608UI	16	1.50	0.32	0.08	0.07	0.12	
YF1610UI	16	1.50	0.39	0.08	0.07	0.12	
YF1612UI	16	1.50	0.47	0.08	0.07	0.12	
YF1618UI	16	1.50	0.71	0.08	0.07	0.12	
YF1407UI	14	2.50	0.28	0.10	0.09	0.13	
YF1408UI	14	2.50	0.32	0.10	0.09	0.13	
YF1410UI	14	2.50	0.39	0.10	0.09	0.13	
YF1412UI	14	2.50	0.47	0.10	0.09	0.13	
YF1418UI	14	2.50	0.71	0.10	0.09	0.13	
YF1209UI	12	4.00	0.35	0.13	0.11	0.15	YF3206TOOL YF2610TOOL YF2210TOOL YF2210FL
YF1212UI	12	4.00	0.47	0.13	0.11	0.17	
YF1215UI	12	4.00	0.59	0.13	0.11	0.15	
YF1218UI	12	4.00	0.71	0.13	0.11	0.15	
YF1010UI	10	6.00	0.39	0.15	0.14	0.19	YF3206TOOL YF2610TOOL YF2210TOOL YF1006TOOL YF2210FL
YF1012UI	10	6.00	0.47	0.15	0.14	0.19	
YF1015UI	10	6.00	0.59	0.15	0.14	0.19	
YF1018UI	10	6.00	0.71	0.15	0.14	0.19	

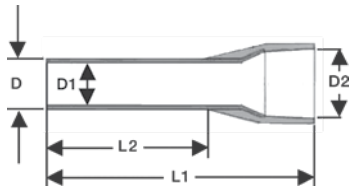
TYPE YF-UI (Continued)



Catalog Number	Wire Size		Dimensions in Inches				Recommended Tooling
	AWG	mm ²	L1 Dim (in)	D Dim (in)	D1 Dim (in)	D2 Dim (in)	
YF0812UI	8	10.00	0.47	0.19	0.18	0.29	YF3206TOOL YF1006TOOL YF081/0TOOL
YF0815UI	8	10.00	0.59	0.19	0.18	0.29	
YF0818UI	8	10.00	0.71	0.19	0.18	0.29	
YF0612UI	6	16.00	0.47	0.24	0.23	0.30	
YF0615UI	6	16.00	0.59	0.24	0.23	0.30	
YF0618UI	6	16.00	0.71	0.24	0.23	0.30	
YF0625UI	6	16.00	0.98	0.24	0.23	0.30	
YF0412UI	4	25.00	0.47	0.31	0.29	0.38	YF081/0TOOL YF041/0TOOL
YF0415UI	4	25.00	0.59	0.31	0.29	0.38	
YF0418UI	4	25.00	0.70	0.31	0.29	0.38	
YF0420UI	4	25.00	0.79	0.31	0.29	0.38	
YF0425UI	4	25.00	0.98	0.31	0.29	0.38	
YF0432UI	4	25.00	1.26	0.31	0.29	0.38	
YF0215UI	2	35.00	0.59	0.34	0.33	0.42		YF081/0TOOL YF041/0TOOL YF1/03/0TOOL
YF0220UI	2	35.00	0.79	0.34	0.33	0.42	
YF0225UI	2	35.00	0.98	0.34	0.33	0.42	
YF0232UI	2	35.00	1.26	0.34	0.33	0.42	
YF1/022UI	1/0	50.00	0.87	0.43	0.41	0.52	YF081/0TOOL YF041/0TOOL YF1/03/0TOOL
YF1/025UI	1/0	50.00	0.98	0.43	0.41	0.52	
YF1/032UI	1/0	50.00	1.26	0.43	0.41	0.52	
YF2/022UI	2/0	70.00	0.87	0.56	0.53	0.64	YF1/03/0TOOL
YF2/025UI	2/0	70.00	0.98	0.56	0.53	0.64	
YF2/032UI	2/0	70.00	1.26	0.56	0.53	0.64	
YF3/025UI	3/0	95.00	0.98	0.61	0.58	0.68	
YF3/030UI	3/0	95.00	1.18	0.61	0.58	0.68	
YF3/032UI	3/0	95.00	1.26	0.61	0.58	0.68	
YF4/032UI	4/0	120.00	1.26	0.70	0.70	0.81	YF4/0250TOOL
YF4/034UI	4/0	120.00	1.39	0.70	0.70	0.81	
YF4/040UI	4/0	120.00	1.57	0.70	0.70	0.81	
YF25032UI	250	150.00	1.26	0.81	0.72	0.91	
YF25040UI	250	150.00	1.57	0.81	0.72	0.91	644, 444 Series
YF35032UI	350	185.00	1.26	0.84	0.79	0.94	
YF35040UI	350	185.00	1.57	0.84	0.80	0.94	

TYPE YF-I Series D, T, & W

Insulated Ferrules



Offered in Series D, T, & W

Ferrules are electrical connectors used to terminate stranded wires, creating a quality, reliable connection by ensuring each wire strand conducts current when properly crimped. Especially useful when multiple reconnections could be necessary within terminal blocks or other similar devices. No breakage of wire strands when wire is bent, under stress or in a vibration environment. Twin ferrule designs allow two individual stranded conductors to be connected to the same termination, most beneficial in jumpering or similar applications. Both styles (single and twin) offer the same features and benefits. The YF-TOOL Series has been designed to crimp both the bare (Type YF-UI) and Insulated (Type YF-I) Ferrules.

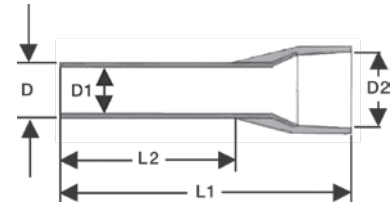
Features & Benefits

- Made of electrolytic copper, tin plated
- Smooth funnel entry to make wire insertion easier
- Secure contacting even after multiple reconnections
- Long-term contact resistance
- No fraying of strands
- No breakage of wire strands when wire is bent, under stress, or in vibration environment
- RoHS compliant

W Series	D Series	T Series	Wire Size		Dimensions in Inches					Bag Qty	Tooling
			AWG	mm ²	L1 (in)	L2 (in)	D (in)	D1 (in)	D2 (in)		
YF2806IW Gray	—	YF2806IT Brown	28	0.14	0.39	0.22	0.04	0.03	0.07	500	YF3206TOOL
YF2808IW Gray	—	YF2808IT Brown	28	0.14	0.49	0.32	0.04	0.03	0.04	500	
YF2606IW Lt. Blue	YF2606ID Yellow	YF2606IT Violet	26	0.25	0.40	0.23	0.05	0.03	0.08	500	YF3206TOOL, YF2610TOOL
YF2608IW Lt. Blue	YF2608ID Yellow	YF2608IT Violet	26	0.25	0.49	0.32	0.04	0.03	0.08	500	
YF2406IW Turquoise	—	YF2406IT Pink	24	0.34	0.48	0.31	0.04	0.03	0.08	500	
YF2408IW Turquoise	—	YF2408IT Pink	24	0.34	0.40	0.31	0.04	0.03	0.08	500	
YF2205IW Orange	YF2205ID White	YF2205IT White	22	0.50	0.44	0.21	0.05	0.04	0.11	500	YF3206TOOL, YF2610TOOL, YF2214TOOL, YF2210TOOL, YF2210FL
YF2206IW Orange	YF2206ID White	YF2206IT White	22	0.50	0.47	0.24	0.05	0.04	0.10	500	
YF2208IW Orange	YF2208ID White	YF2208IT White	22	0.50	0.55	0.32	0.05	0.04	0.11	500	
YF2210IW Orange	YF2210ID White	YF2210IT White	22	0.50	0.63	0.39	0.05	0.04	0.10	500	
YF2212IW Orange	YF2212ID White	YF2212IT White	22	0.50	0.47	0.24	0.05	0.04	0.10	500	
YF2006IW White	YF2006ID Gray	YF2006IT Blue	20	0.75	0.47	0.24	0.06	0.05	0.11	500	
YF2008IW White	YF2008ID Gray	YF2008IT Blue	20	0.75	0.56	0.31	0.06	0.05	0.12	500	
YF2010IW White	YF2010ID Gray	YF2010IT Blue	20	0.75	0.63	0.39	0.06	0.05	0.11	500	
YF2012IW White	YF2012ID Gray	YF2012IT Blue	20	0.75	0.71	0.47	0.06	0.05	0.11	500	
YF2018IW White	YF2018ID Gray	YF2018IT Blue	20	0.75	0.96	0.71	0.06	0.05	0.11	500	
YF1806IW Yellow	YF1806ID Red	YF1806IT Red	18	1.00	0.47	0.24	0.07	0.06	0.12	500	

TYPE YF-I Series D, T, & W

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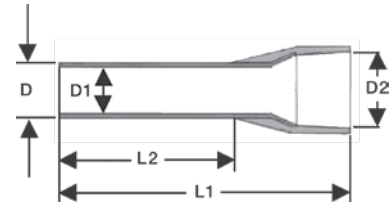
W Series	D Series	T Series	Wire Size		Dimensions in Inches					Bag Qty	Tooling
			AWG	mm ²	L1 (in)	L2 (in)	D (in)	D1 (in)	D2 (in)		
YF1808IW Yellow	YF1808ID Red	YF1808IT Red	18	1.00	0.56	0.32	0.07	0.05	0.12	500	YF3206TOOL, YF2610TOOL, YF2214TOOL, YF2210TOOL, YF2210FL
YF1810IW Yellow	YF1810ID Red	YF1810IT Red	18	1.00	0.63	0.39	0.07	0.06	0.12	500	
YF1812IW Yellow	YF1812ID Red	YF1812IT Red	18	1.00	0.71	0.47	0.07	0.06	0.12	500	
YF1818IW Yellow	YF1818ID Red	YF1818IT Red	18	1.00	0.96	0.71	0.07	0.06	0.12	500	
YF1606IW Red	YF1606ID Black	YF1606IT Black	16	1.50	0.48	0.24	0.08	0.07	0.14	500	
YF1608IW Red	YF1608ID Black	YF1608IT Black	16	1.50	0.55	0.32	0.08	0.07	0.14	500	
YF1610IW Red	YF1610ID Black	YF1610IT Black	16	1.50	0.63	0.39	0.08	0.07	0.14	500	
YF1612IW Red	YF1612ID Black	YF1612IT Black	16	1.50	0.71	0.47	0.08	0.07	0.14	500	
YF1615IW Red	YF1615ID Black	YF1615IT Black	16	1.50	0.84	0.59	0.08	0.07	0.14	500	
YF1618IW Red	YF1618ID Black	YF1618IT Black	16	1.50	0.95	0.71	0.08	0.07	0.14	500	
YF1408IW Blue	YF1408ID Blue	YF1408IT Gray	14	2.50	0.62	0.32	0.10	0.09	0.17	500	
YF1410IW Blue	YF1410ID Blue	YF1410IT Gray	14	2.50	0.69	0.39	0.09	0.09	0.17	500	
YF1412IW Blue	YF1412ID Blue	YF1412IT Gray	14	2.50	0.71	0.47	0.09	0.09	0.17	500	
YF1418IW Blue	YF1418ID Blue	YF1418IT Gray	14	2.50	0.95	0.71	0.09	0.09	0.17	500	
YF1209IW Gray	YF1209ID Gray	YF1209IT Orange	12	4.00	0.65	0.32	0.13	0.11	0.19	500	YF3206TOOL, YF2610TOOL, YF2210TOOL, YF2210FL
YF1210IW Gray	YF1210ID Gray	YF1210IT Orange	12	4.00	0.71	0.39	0.13	0.11	0.13	500	
YF1212IW Gray	YF1212ID Gray	YF1212IT Orange	12	4.00	0.79	0.47	0.13	0.11	0.19	500	
YF1218IW Gray	YF1218ID Gray	YF1218IT Orange	12	4.00	1.02	0.71	0.13	0.11	0.19	500	
YF1010IW Black	YF1010ID Yellow	YF1010IT Green	10	6.00	0.73	0.39	0.15	0.14	0.25	100	
YF1012IW Black	YF1012ID Yellow	YF1012IT Green	10	6.00	0.82	0.47	0.15	0.14	0.23	100	
YF1018IW Black	YF1018ID Yellow	YF1018IT Green	10	6.00	1.02	0.71	0.15	0.15	0.25	100	

Small Terminals

Insulated Ferrules for Copper Conductor
Series D, T, & W

TYPE YF-I Series D, T, & W

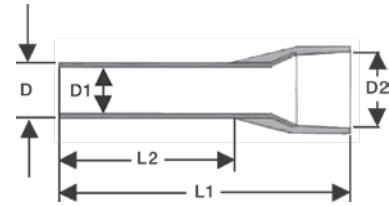
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W Series	D Series	T Series	Wire Size		Dimensions in Inches					Bag Qty	Tooling
			AWG	mm ²	L1 (in)	L2 (in)	D (in)	D1 (in)	D2 (in)		
YF0812IW Ivory	YF0812ID Red	YF0812IT Brown	8	10.00	0.91	0.46	0.19	0.18	0.31	100	YF3206TOOL, YF1006TOOL, YF0810TOOL
YF0815IW Ivory	YF0815ID Red	YF0815IT Brown	8	10.00	0.93	0.59	0.19	0.18	0.29	100	
YF0818IW Ivory	YF0818ID Red	YF0818IT Brown	8	10.00	1.10	0.71	0.19	0.18	0.29	100	
YF0612IW Green	YF0612ID Blue	YF0612IT Ivory	6	16.00	0.89	0.43	0.25	0.23	0.34	100	
YF0618IW Green	YF0618ID Blue	YF0618IT Ivory	6	16.00	0.89	0.43	0.25	0.23	0.34	100	
YF0412IW Brown	YF0412ID Yellow	YF0412IT Black	4	25.00	0.94	0.47	0.31	0.29	0.44	100		YF0810TOOL, YF0410TOOL
YF0415IW Brown	YF0415ID Yellow	YF0415IT Black	4	25.00	1.06	0.59	0.30	0.29	0.44	100	
YF0416IW Brown	YF0416ID Yellow	YF0416IT Black	4	25.00	1.10	0.63	0.30	0.29	0.44	100	
YF0418IW Brown	YF0418ID Yellow	YF0418IT Black	4	25.00	1.18	0.71	0.30	0.29	0.44	100	
YF0422IW Brown	YF0422ID Yellow	YF0422IT Black	4	25.00	1.42	0.87	0.30	0.29	0.44	100	
YF0425IW Brown	YF0425ID Yellow	YF0425IT Black	4	25.00	1.45	0.98	0.30	0.29	0.44	100	
YF0216IW Beige	YF0216ID Red	YF0216IT Beige	2	35.00	1.17	0.64	0.34	0.32	0.48	100	
YF0218IW Beige	YF0218ID Red	YF0218IT Beige	2	35.00	1.26	0.71	0.34	0.33	0.50	100	
YF0222IW Beige	YF0222ID Red	YF0222IT Beige	2	35.00	1.41	0.87	0.34	0.33	0.50	100	
YF0225IW Beige	YF0225ID Red	YF0225IT Beige	2	35.00	1.53	0.98	0.34	0.33	0.50	100	
YF1/012IW Olive Green	YF1/012ID Blue	YF1/012IT Olive Green	1/0	50.00	1.10	0.47	0.43	0.41	0.59	50	YF0810TOOL YF0410TOOL YF1/03/0TOOL
YF1/016IW Olive Green	YF1/016ID Blue	YF1/016IT Olive Green	1/0	50.00	1.26	0.63	0.43	0.41	0.59	50	
YF1/020IW Olive Green	YF1/020ID Blue	YF1/020IT Olive Green	1/0	50.00	1.45	0.79	0.43	0.40	0.58	50	
YF1/022IW Olive Green	YF1/022ID Blue	YF1/022IT Olive Green	1/0	50.00	1.50	0.87	0.43	0.41	0.59	50	
YF1/025IW Olive Green	YF1/025ID Blue	YF1/025IT Olive Green	1/0	50.00	0.98	0.43	0.43	0.41	0.59	50	
YF1/030IW Olive Green	YF1/030ID Blue	YF1/030IT Olive Green	1/0	50.00	1.18	0.43	0.43	0.41	0.59	50	
—	YF2/020ID Yellow	—	2/0	70.00	1.45	0.79	0.56	0.53	0.63	25	YF1/03/0TOOL
—	YF2/025ID Yellow	—	2/0	70.00	1.65	0.98	0.56	0.53	0.63	25	
—	YF2/027ID Yellow	—	2/0	70.00	1.73	1.06	0.56	0.53	0.63	25	
—	YF3/025ID Red	—	3/0	95.00	1.73	0.98	0.61	0.58	0.73	25	
—	YF3/030ID Red	—	3/0	95.00	1.95	1.18	0.61	0.58	0.73	25	

TYPE YF-I Series D, T, & W

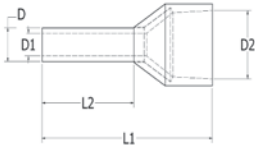
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W Series	D Series	T Series	Wire Size		Dimensions in Inches					Bag Qty	Tooling
			AWG	mm ²	L1 (in)	L2 (in)	D (in)	D1 (in)	D2 (in)		
—	YF4/027ID Blue	—	4/0	120.00	1.87	1.06	0.70	0.66	0.80	25	YF4/0250TOOL
—	YF4/030ID Blue	—	4/0	120.00	2.01	1.18	0.70	0.66	0.80	25	
—	YF4/032ID Blue	—	4/0	120.00	2.07	1.26	0.70	0.66	0.80	25	
—	YF4/034ID Blue	—	4/0	120.00	2.15	1.34	0.70	0.66	0.80	25	
—	YF25025ID Yellow	—	250	150.00	1.99	0.98	0.81	0.77	0.92	25	
—	YF25027ID Yellow	—	250	150.00	2.07	1.06	0.81	0.77	0.92	25	
—	YF25032ID Yellow	—	250	150.00	2.27	1.26	0.81	0.77	0.92	25	
—	YF25038ID Yellow	—	250	150.00	2.50	1.50	0.81	0.77	0.92	25	

TYPE YF-TW Series D, T, & W

Insulated Twin Ferrules



For Use on Copper Conductor

Ferrules are electrical connectors used to terminate stranded wires, creating a quality, reliable connection by ensuring each wire strand conducts current when properly crimped. Especially useful when multiple reconnections could be necessary within terminal blocks or other similar devices. No breakage of wire strands when wire is bent, under stress or in a vibration environment. Twin ferrule designs allow two individual stranded conductors to be connected to the same termination, most beneficial in jumpering or similar applications. Both styles (single and twin) offer the same features and benefits. The YF-TOOL Series has been designed to crimp both the bare (Type YF-UI) and Insulated (Type YF-I) Ferrules.

Features & Benefits

- Made of electrolytic copper, tin plated
- Smooth funnel entry to make wire insertion easier
- Secure contacting even after multiple reconnections
- No fraying or breakage of wire strands when wire is bent, under stress, or in vibration environment
- RoHS compliant

Catalog Number			Wire sizes		Dimensions in Inches					Tooling	Bag Qty		
W Series	T Series	D Series	AWG	mm ²	L1 Dim (in)	L2 Dim (in)	D Dim (in)	D1 Dim (in)	D2 Dim (in)				
YFTW2208W Orange	YFTW2208T White	YFTW2208D White	22 AWG	0.50	0.60	0.30	0.07	0.06	0.19	YF32016TOOL YF2210TOOL YF2210FL	500		
YFTW2010W White	YFTW2010T Lt. Blue	YFTW2010D Gray	20 AWG	0.75	0.66	0.39	0.08	0.07	0.22				
YFTW2008W White	YFTW2008T Lt. Blue	YFTW2008D Gray	20 AWG	0.75	0.60	0.31	0.08	0.07	0.20				
YFTW1810W Yellow	YFTW1810T Red	YFTW1810D Red	18 AWG	1.00	0.67	0.39	0.09	0.08	0.22				
YFTW1808W Yellow	YFTW1808T Red	YFTW1808D Red	18 AWG	1.00	0.62	0.31	0.09	0.08	0.22				
YFTW1612W Red	YFTW1612T Black	YFTW1612D Black	16 AWG	1.50	0.77	0.47	0.10	0.09	0.25				
YFTW1608W Red	YFTW1608T Black	YFTW1608D Black	16 AWG	1.50	0.65	0.31	0.10	0.09	0.26				
YFTW1413W Blue	YFTW1413T Gray	YFTW1413D Blue	14 AWG	2.50	0.85	0.51	0.13	0.11	0.32				
YFTW1410W Blue	YFTW1410T Gray	YFTW1410D Blue	14 AWG	2.50	0.77	0.39	0.13	0.11	0.31				
YFTW1212W Gray	YFTW1212T Orange	YFTW1212D Gray	12 AWG	4.00	0.92	0.46	0.17	0.15	0.36				
YFTW1014W Black	YFTW1014T Green	YFTW1014D Yellow	10 AWG	6.00	0.99	0.53	0.21	0.19	0.41				
YFTW0814W Beige	YFTW0814T Brown	YFTW0814D Red	8 AWG	10.00	1.04	0.55	0.27	0.25	0.51			YF0810TOOL YF1006TOOL	100
YFTW0614W Green	YFTW0614T Ivory	YFTW0614D Blue	6 AWG	16.00	1.23	0.55	0.34	0.33	0.75				

Small Terminal Kits

Packaged Kits of Various Types of Small Terminals



For Use on Copper Conductor

Small terminal kits are packaged in reusable plastic cases with secure compartments of each type of connector. Clearly marked on the inside front cover with part numbers and descriptions, the kits contain some of the most common terminals needed on everyday installations.

Features & Benefits

- Quality terminals of various types packaged together for convenience
- Color-coded barrels
- Reusable, refillable case
- Clearly marked with part numbers and descriptions on inside cover



Catalog Number: STKIT08

Contains:

Kit	Catalog Number	Quantity	Description
STKIT08	SP14	20	#16 - #14 AWG splice; vinyl insulation
	QP14M25X03D	10	#16 - #14 AWG male disconnect; .250 tab size; vinyl insulation
	QP14F25X03	10	#16 - #14 AWG female disconnect; .250 tab size; vinyl insulation
	TP1410	20	#16 - #14 AWG ring terminal; 8 - 10 stud size; vinyl insulation
	TP1410F	20	#16 - #14 AWG fork terminal; 8 - 10 stud size; vinyl insulation
	SP10	10	#12 - #10 AWG splice; vinyl insulation
	TP1010	20	#12 - #10 AWG ring terminal; 8 - 10 stud size; vinyl insulation
	TP1010F	20	#12 - #10 AWG fork terminal; 8 - 10 stud size; vinyl insulation

Catalog Number: STKIT15

Contains:

Kit	Catalog Number	Quantity	Description
STKIT15	QP18M18X02D	20	#22 - #18 AWG male disconnect; .187 tab; vinyl insulation
	QP18M25X03D	20	#22 - #18 AWG male disconnect; .250 tab; vinyl insulation
	QP18F18X02D	20	#22 - #18 AWG female disconnect; .187 tab; vinyl insulation
	QP18F25X03D	20	#22 - #18 AWG female disconnect; .250 tab; vinyl insulation
	BULM18P	20	#22 - #18 AWG male bullet disconnect; vinyl insulation
	BULF18P	20	#22 - #18 AWG female bullet disconnect; vinyl insulation
	SP18	20	#22 - #18 AWG splice; vinyl insulation
	QP14M18X02D	20	#16 - #14 AWG male disconnect; .187 tab; vinyl insulation
	QP14M25X03D	20	#16 - #14 AWG male disconnect; .250 tab; vinyl insulation
	QP14F18X02D	20	#16 - #14 AWG female disconnect; .187 tab; vinyl insulation
	QP14F25X03D	20	#16 - #14 AWG female disconnect; .250 tab; vinyl insulation
	BULM14P	20	#16 - #14 AWG male bullet disconnect; vinyl insulation
	BULF14P	20	#16 - #14 AWG female bullet disconnect; vinyl insulation
	SP14	20	#16 - #14 AWG splice; vinyl insulation
	SP10	20	#12 - #10 AWG splice; vinyl insulation

Small Terminal Kits

(Continued)

Packaged Kits of Terminals with Installation Tool

Small terminal kits are packaged in durable, dual-latched metal cases with secure compartments for each connector. Inside label clearly identifies the part number and description of the connector associated with each compartment. The kits contain some of the most common terminals needed for everyday installation.

Features & Benefits

- Terminals include rings, forks, splices, quick disconnects, and pin styles
- Color-coded barrels
- Reusable, refillable case
- Kit available with either Y1022 plier-type installation tool, or MRE1022NV full cycle ratchet installation tool



STKIT1601Y1022



STKIT1602MRE1022NV

KIT CONTENTS						
Catalog Number	Qty	Description	Wire Size	Stud Size	STKIT1601Y1022	STKIT1602MRE1022NV
					Included?	Included?
MRE1022NV	1	Mechanical Full Cycle Ratchet Tool	—	—	No	Yes
Y1022	1	HYTOOL™, Plier Type	—	—	Yes	No
PTV18	100	Vinyl Pin Terminal	22 - 18 AWG	—	Yes	Yes
PTV14	100	Vinyl Pin Terminal	16 - 14 AWG	—	Yes	Yes
PTV10	100	Vinyl Pin Terminal	12 - 10 AWG	—	Yes	Yes
QP14M25X03D	100	Vinyl Male Disconnect	16 - 14 AWG	—	Yes	Yes
QP14F25X03D	100	Vinyl Female Disconnect	16 - 14 AWG	—	Yes	Yes
QP10M25X03D	100	Vinyl Male Disconnect	12 - 10 AWG	—	Yes	Yes
QP10F25X03D	50	Vinyl Female Disconnect	12 - 10 AWG	—	Yes	Yes
TP1610	100	Vinyl Ring Tongue	22 - 16 AWG	#10	Yes	Yes
TP1410	100	Vinyl Ring Tongue	16 - 14 AWG	#10	Yes	Yes
TP1010	50	Vinyl Ring Tongue	12 - 10 AWG	#10	Yes	Yes
TP166LF	100	Vinyl Locking Fork	22 - 16 AWG	#6	Yes	Yes
TP148LF	100	Vinyl Locking Fork	16 - 14 AWG	#8	Yes	Yes
TP1010LF	50	Vinyl Locking Fork	12 - 10 AWG	#10	Yes	Yes
SP16	100	Vinyl Splice	22 - 16 AWG	—	Yes	Yes
SP14	50	Vinyl Splice	16 - 14 AWG	—	Yes	Yes
SP10	40	Vinyl Splice	12 - 10 AWG	—	Yes	Yes

TYPE HSKIT

Packaged Kit of Heat Shrink Connectors with Installation Tool



For Use on Copper Conductor

Standard crimp terminals leave the wire exposed, allowing in moisture or other contaminants which can result in corrosion. Heat shrink terminals provide a durable seal, blocking out contaminants, ensuring a better connection.

Features & Benefits

- Made from pure copper, annealed for maximum strength
- Color-coded, imprinted with wire size
- Serrated barrels offer maximum wire contact and tensile strength
- Electro-tin plated for corrosion resistance
- Wire strip length 5/16"

List of Items Included in HSKIT

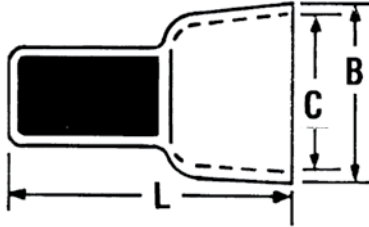
Quantity of Pieces included in kit	Description	Conductor Size	Stud Size	Quantity of Pieces included in kit	Description	Conductor Size	Stud Size
50	Butt Splice	22 - 18 AWG	—	10	Fork Terminal	22 - 18 AWG	#6
50	Butt Splice	16 - 14 AWG	—	10	Fork Terminal	22 - 18 AWG	#8
30	Butt Splice	12 - 10 AWG	—	10	Fork Terminal	22 - 18 AWG	#10
15	Butt Splice	#8 AWG	—	10	Fork Terminal	16 - 14 AWG	#6
10	Ring Terminal	22 - 18 AWG	#6	10	Fork Terminal	16 - 14 AWG	#8
10	Ring Terminal	22 - 18 AWG	#8	10	Fork Terminal	16 - 14 AWG	#10
10	Ring Terminal	22 - 18 AWG	#10	10	Fork Terminal	12 - 10 AWG	#6
10	Ring Terminal	22 - 18 AWG	5/16"	10	Fork Terminal	12 - 10 AWG	#8
10	Ring Terminal	22 - 18 AWG	1/4"	10	Fork Terminal	12 - 10 AWG	#10
10	Ring Terminal	22 - 18 AWG	3/8"	15	Fork Terminal	#8 AWG	3/8"
10	Ring Terminal	16 - 14 AWG	#8	50 (25 ea)	Male & Female Quick Disc.	22 - 18 AWG	—
10	Ring Terminal	16 - 14 AWG	#10	50 (25 ea)	Male & Female Quick Disc.	16 - 14 AWG	—
10	Ring Terminal	16 - 14 AWG	5/16"	50 (25 ea)	Male & Female Quick Disc.	12 - 10 AWG	—
10	Ring Terminal	16 - 14 AWG	1/4"	30 (15 ea)	Male & Female Bullet	16 - 14 AWG	—
10	Ring Terminal	16 - 14 AWG	3/8"	20 (10 ea)	Male & Female Ins. Quick Disc.	22 - 18 AWG	—
10	Ring Terminal	16 - 14 AWG	#6	20 (10 ea)	Male & Female Ins. Quick Disc.	16 - 14 AWG	—
10	Ring Terminal	12 - 10 AWG	#8	20 (10 ea)	Male & Female Ins. Quick Disc.	12 - 10 AWG	—
10	Ring Terminal	12 - 10 AWG	#10	10	Step Down Butt Splice	16 - 14 to 22 - 18 AWG	—
10	Ring Terminal	12 - 10 AWG	5/16"	10	Step Down Butt Splice	12 - 10 to 16 - 14 AWG	—
10	Ring Terminal	12 - 10 AWG	1/4"	1	Ratchet Crimp Tool	—	—
10	Ring Terminal	12 - 10 AWG	3/8"	1	Metal Case with Dividers	—	—
15	Ring Terminal	#8 AWG	#10				

TYPES YQE / RK

Rated 600 Volts (Building Wire) and 1000 Volts (Fixtures/Signs)

Pigtail Splice, Nylon Insulated

The BURCAP is a nylon insulated pigtail splice designed to splice a wide range of different cable sizes.



Catalog Number	Wire Combinations								Total Area Circular Mils	Dimension in Inches			Installation Tools M8ND, Y8ND, HYTOOL™	Wire Strip Length
										L	B	C		
YQE91†	1 # 16 & 1 # 18,								4205	0.76	0.30	0.24	N150WT	5/16"
	2# 18													
*RK1412	RK141ABOX100				RK142ABOX100				500 - 5,180	0.61 (16, 4)	0.31 (7, 9)	0.27 (8, 6)		
	22	20	18	16	18	16	14	12						
*RK1422	7					1	1	2,400 - 13,100	0.72 (18, 3)	0.44 (11, 2)	0.38 (9, 8)			
	6	1				2	1							
	5		1			3	1							
	4	2			1		1							
	4		1		2		1							
	3	2			3		1							
	3		2			1	1							
	3			1		2	1							
	2	3			1		1							
	2		2		2		1							
	2			1	3		1							
	1	4			2	2	1							
	1		2				2							
	1			1	1	1								
		4			2	1								
		3	1		3	1								
		2	2		4	1								
		2		1	1	2								
		1	2		2	2								
		1		1	3	2								
			3			2								
			2		1	3								
						3								
							5							

NOTE:

* Convenience Package. For Box quantity, order RK141ABOX100 and RK142ABOX100 respectively.

† This item is UL Listed

Table of Contents

Compression Connectors

Connector Selector Chart.....	C-3
Compression Connectors Information.....	C-5
Amcapacity Rating, Selection and Use, Tooling.....	C-5
Installation Hardware, Industry Standards.....	C-5
Telecommunications Connector Information.....	C-6
Wire Definitions.....	C-7
Plating Objective Table.....	C-7

Code Connectors Accommodating Flexible Wire

444S / 644 Series of Tools.....	C-8
4-POINT® 81K Series of Tools.....	C-9

Expanded Ranges

444S / 644 Series of Tools.....	C-10
4-POINT® 81K, 4PC Series of Tools.....	C-11

Copper Compression - Code

One Hole Standard Barrel.....	C-13
One Hole Standard Barrel Narrow Tongue.....	C-18
One Hole Long Barrel.....	C-21
One Hole Long Barrel w/ Inspection Window.....	C-25
Two Hole Standard Barrel.....	C-29
Two Hole Standard Barrel Narrow Tongue w/ Inspection Window.....	C-33
Two Hole Long Barrel.....	C-35
Two Hole Long Barrel Narrow Tongue.....	C-39
Two Hole Long Barrel w/ Inspection Window.....	C-43
Four Hole Long Barrel.....	C-47

Copper Compression - Flex

Copper Flex Wire Table.....	C-48
One Hole Standard Barrel.....	C-49
One Hole Standard Barrel Narrow Tongue.....	C-53
One Hole Standard Barrel No Window.....	C-56
One Hole Standard Barrel, Belled End.....	C-59
One Hole Long Barrel w/ Inspection Window.....	C-61
One Hole Long Barrel, Belled End, No Window.....	C-64
Two Hole Standard Barrel.....	C-67
Two Hole Standard Barrel Narrow Tongue.....	C-71
Two Hole Long Barrel w/ Inspection Window.....	C-74
Two Hole Long Barrel, Belled End, No Window.....	C-78
Two Hole Long Barrel Narrow Tongue.....	C-82
One Hole Standard Barrel, Tin-Zinc Plated.....	C-84
Two Hole Standard Barrel, Tin-Zinc Plated.....	C-87

Unique Feature Compression Connectors

Blank Tongue Long Barrel.....	C-90
Two Hole Standard Barrel, Slotted.....	C-93
Two Hole Long Barrel, Slotted.....	C-94
Two Hole Long Barrel, Slotted w/ Inspection Window.....	C-95
Two Hole Long Barrel, Slotted w/ Inspection Window (Flex).....	C-96
Split Tongue Standard Barrel.....	C-98
Split Tongue Long Barrel.....	C-100
Equipment Line, One & Two Hole Narrow Tongue.....	C-101

Metric Compression Connectors

One Hole Standard Barrel - Code.....	C-104
One Hole Long Barrel - Code.....	C-108
Two Hole Standard Barrel - Code.....	C-111
Two Hole Long Barrel - Code.....	C-114
One Hole Standard Barrel - Flex.....	C-118
One Hole Long Barrel - Flex.....	C-121
Two Hole Standard Barrel - Flex.....	C-124
Two Hole Long Barrel - Flex.....	C-127

Copper Adaptor Connectors

HYPLUG™ Compression.....	C-130
HYSTACK™ Stacking.....	C-134

Copper Compression Splices

Uninsulated Parallel Splice.....	C-136
Copper Compression Standard Barrel Splice.....	C-138
Copper Compression Long Barrel Splice.....	C-139
Reducing Adapter for Copper.....	C-140
Copper Compression Standard Barrel Belled Ends.....	C-141
High-Voltage Standard Barrel Tapered Ends.....	C-144
Copper Compression Long Barrel Belled Ends.....	C-145

Copper Compression In Line Splice Kits

Code/Flex Standard Barrel w/ Inspection Window.....	C-147
Reducing Splice Kit Code/Flex Standard Barrel w/ Inspection Window.....	C-149
Reducing Splice Kit Code/Flex Standard Barrel No Window.....	C-163
Reducing Splice Kit Code/Flex Long Barrel w/ Inspection Window.....	C-167
Reducing Splice Kit Code/Flex Long Barrel No Window.....	C-173

Compression Tap Connectors

Thin Wall Copper C-Tap.....	C-176
C-Tap.....	C-177
C-Tap CRIMPIT™.....	C-178
H-Tap CRIMPIT™.....	C-179
H-Tap Flame Retardant Cover (black).....	C-183
H-Tap Flame Retardant Cover (clear).....	C-183
Split H Copper CRIMPIT™.....	C-184

Copper Compression T-Coupler

Copper HYTEE™ Coupler.....	C-186
----------------------------	-------

Table of Contents

Aluminum Compression Connections

One Hole for Aluminum/Copper	C-187
Two and Four Hole for Aluminum/Copper	C-190
Transformer Lug Kit.....	C-193
YA-A Installation Tool Table Mechanical/Ratchet	C-194
YA-A Installation Tool Table Hydraulic (requiring dies)	C-195
YA-A Installation Tool Table Hydraulic (dieless)	C-196
YA-A Installation Instructions.....	C-197

Aluminum Adaptor Connectors

HYPLUG™ for Aluminum/Copper.....	C-198
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Aluminum Compression Splices

HYLINK™ for Aluminum/Copper.....	C-200
Reducing Splice for Aluminum/Copper	C-202

Aluminum Compression Taps

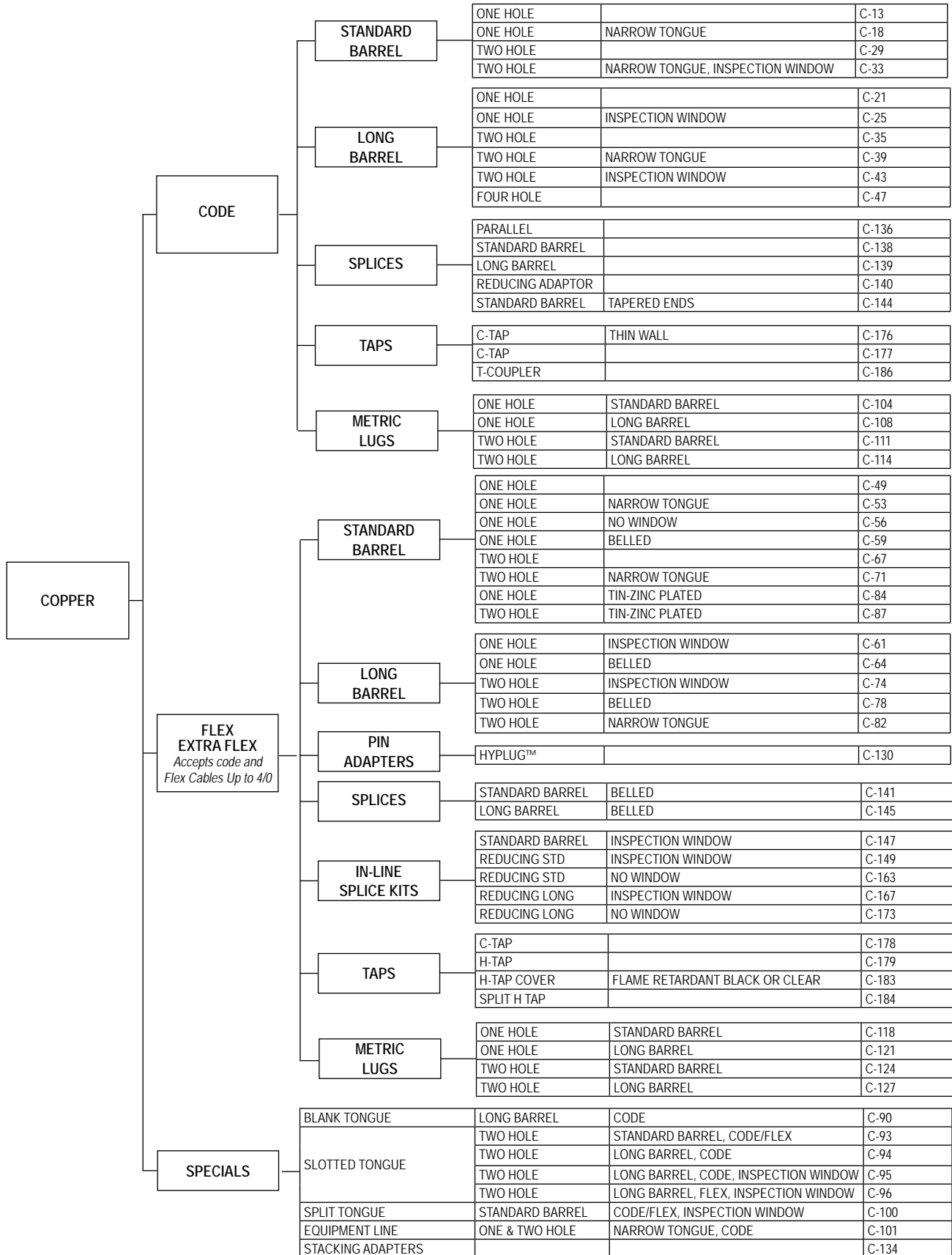
H-Tap for Aluminum/Copper.....	C-203
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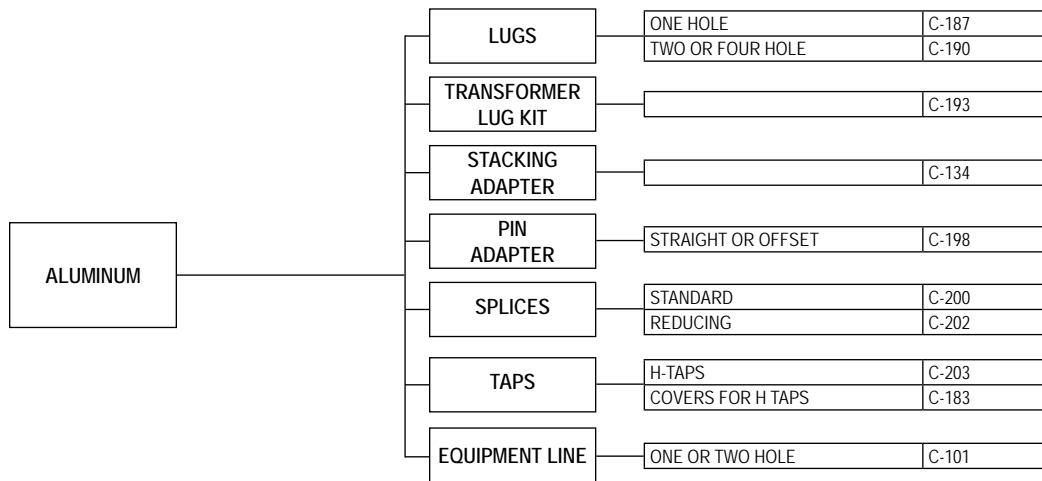
Compression Battery Terminals

Straight Style Battery Post	C-204
T-Style Battery Post	C-205
One Hole Grounding/Starter Lugs.....	C-206

Compression Cable Pulling Heads

Compression Cable Pulling Heads Aluminum/Copper.....	C-207
------------------------------------------------------	-------





Compression Connectors

BURNDY® compression connectors are designed for reliable and controllable electrical connections. The complete installation is fully inspectable. They are high conductivity copper and operate cooler than the wire on which they are installed. The connectors withstand a wide range of electrical and environmental conditions, including current surges, temperatures, corrosion and vibrations, for a wide variety of applications. These features mean a consistently high quality connection at a low installed cost.

Copper compression connectors are manufactured from high-conductivity electrolytic copper. The connectors are normally tin-plated, lead-plated, or plated with proprietary BURNDY® brite finish to provide durable long-lasting corrosion resistance. The connector design has been matched to the cable size to provide the necessary physical strength requirements for reliable electrical performance.

Aluminum compression connectors are manufactured from high conductivity, high purity wrought aluminum. They are designed with sufficient mass and are electro-tin plated to minimize corrosion due to galvanic action between dissimilar metals. The connector barrels are pre-filled with PENETROX™, BURNDY oxide inhibiting compound.

PENETROX™ contains homogeneously suspended metallic particles which penetrate the wire's oxides to establish excellent continuity between the individual strands and the connector barrel for a low-resistance connection. PENETROX™ maintains an air-tight connection. Each barrel end is covered with a color-coded plastic dust cap which prevents foreign matter from entering the connector before it is used. The connector design has been engineered to match the cable size to provide the necessary physical strength requirements for reliable electrical performance.

Connector Ampacity Rating

Per NEC 110.14(C) Provision (2) installed pressure connectors shall be used with conductors at the ampacities not exceeding the ampacity at the listed and identified temperature rating of the connector. Most BURNDY connector temperature ratings in this section, are rated 90°C, therefore the connector is rated to accommodate the ampacity of a conductor operating at or below 90°C.

Selection and Use

Copper compression connectors are recommended for use on copper conductors. Aluminum compression connectors are recommended for use on aluminum conductors. Dual-rated aluminum compression connectors may be used on both copper and aluminum conductors.

Two basic compression designs are available: Circumferential and indent. After compression, virtually all the air is removed leaving a tight homogeneous mass of connector and conductor.



The circumferential crimp design is recommended for color coded connectors in low and high voltage applications. Die index number embossment

provides an easy inspection where required to verify the use of the proper connector/die combination. It is also recommended for insulated connectors and for terminating flexible and welding cables.

The circumferential crimp design dies compress cable strands into polygonal shapes forming intimate contact with each other and the connector barrel. This compression forms a tight homogeneous mass with virtually no air pockets. The circumferential crimp provides an excellent electrical connection with high pull-out values. The circumferential crimp is ideal for high voltage applications leaving the connector barrel symmetrical, which is easier to insulate.

The indent type crimp can be used in virtually any application except polyvinylchloride (PVC) insulated terminals and splices. It is an excellent means of terminating flexible, extra flexible and welding cables. The indenter compresses the cable strands to form intimate contact with each other and the connector barrel. The result is an excellent electrical connection with high pull-out strength. Laboratory work testing curves established the proper depth and shape of indent for each type of connector and wire combination.

Tooling

Tooling systems are essential for proper installation of a compression connector. Since connectors and dies are designed as a unit for specific wire sizes, only the recommended tools and dies should be used. Most aluminum and copper HYLUG™ terminals and HYLINK™ splices are marked with a die index number and are color-coded to identify the correct installation die. Dies marked with the matching die index number and color can be used to install the connector.

BURNDY® tooling installs a wide range of connectors, is reliable, cost effective, and precision engineered for durable, long-lasting service and quality connections. The tools include small plier types, full cycle ratchet designs and hydraulically-powered HYPRESS™ heads and new Battery Actuated Tools. Some have permanent die grooves or adjustable dies, while others require a change of die sets or nest die for each connector size. BURNDY recommended tools achieve crimp performance consistent with UL and other industry standards. Since several tools are suitable for most connectors, the most economical and practical tool can be chosen for each application.

Installation Hardware

See the Hardware Section or Reference Section of the BURNDY Master Catalog for information on Recommended Hardware Materials and Tightening Torque Values.

Industry Standards

BURNDY compression terminals, splices, and tap connectors requiring third party testing and approval are listed by Underwriters Laboratories, Inc. (UL), and/or Canadian Standards Association (CSA), and all confirm to the applicable sections of the National Electrical Code (NEC).

Per UL486A-486B - Wire Connectors (1.3) standard, this standard is intended for connectors suitable for currents not exceeding the ampacity of insulated conductors rated 75°C or 90°C in accordance with the rating of the connector, if provided.

BURNDY® also offers connectors and splices which meet the (LOCA Seismic and Aging) requirements of IEEE standards 323, 383 and 344 for class 1E critical circuits for use in Nuclear Utility Applications. Certification to 10CFR50 and 10CFR21 available.

Detail catalog listings should be consulted to obtain the appropriate standards for each connector and splice.

Telecommunication Compression Connectors

The industry's first choice in compression connectors...

BURNDY® provides a complete selection of one and two hole compression terminals, H-taps, C-taps, and other compression connection products specifically engineered to meet the demanding applications of both the Central Office and Wireless communications markets.

All of the BURNDY compression products are designed for reliable and controllable electrical connections. All connectors are made from high conductivity electrolytic copper and operate at cooler temperatures than the conductor on which they are installed. The connectors are normally tin-plated, lead-plated, or plated with a proprietary BURNDY® brite finish to provide the industry standard in long-lasting corrosion resistance.

The complete installation is fully inspectable and UL Listed when installed with BURNDY® dies. Every die in the system is color-coded and provides die index embossment for complete inspectability.

BURNDY® Tooling... the right choice for the job!

BURNDY® tooling installs a wide range of connectors, is reliable, cost effective, and precision engineered for durable, long-lasting service and quality connections. BURNDY compression tooling system ranges from full cycle ratchet hand tools to 12 and 15 ton hydraulically-powered HYPRESS™ heads. Hydraulic tools are available in self-contained, battery powered, and AC service electrically powered pump and remote head designs to meet all possible installation situations.

The Circumferential Crimp...

The BURNDY® circumferential crimp provides a solid, homogenous connection, with high pull out values and is rated for high voltage applications, more than sufficient for the 48V DC operating voltage common in the telecom market. In addition the circumferential crimp doesn't require the removal of the copper flash produced by other die systems. This not only saves time in installation but removes a potential safety hazard from the job.

All of the dies in the system are color-coded to match the connectors and feature die index and die number matching to the connector for ease of installation.



Circumferential compression is solid and symmetrical. No sharp flash.

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Wire Definitions

- Copper Code Stranded Wire, as listed in this section refers to: Class B (Concentric, Compressed, Compact) or Class C
- Copper Flexible Wire, as listed in this section refers to: Listed by Nominal Wire followed by the designated wire classes (G, H, I, K, M, and DLO)
- Aluminum Stranded Wire, as listed in this section refers to: Class B (Concentric, Compressed, Compact)
- Copper Clad Aluminum (CCA) Stranded Wire, as listed in this section refers to: CCA stranded wire

Objective	Plating			
	Electro-tin	Hot Tin Dip	Nickel	Silver*
Reduce galvanic corrosion (bimetallic)	X	X	—	—
Resist corrosive elements	X	X	—	—
Increase conductivity/lower contact resistance	—	—	—	X
Provide high, continuous service temperatures (maximum)	X (347°F/175°C)	—	X (650°F/343°C)	X (500°F/260°C)
*Note: Never connect an aluminum surface to a silver plated surface. Aluminum in contact with silver results in a highly corrosive joint, which will further result in a high resistance connection.				

Compression Connections

Code Connectors Accommodating Flexible Wire with 444S and 644 Series Dieless Tools

Code Connectors Accommodating Flexible Wire with Dieless Tools

The following code connectors can accommodate flexible wire when using the 644 or 444S series dieless platform of installation tools ONLY. See table for specific connector to wire combinations.

Example: YA2CN code connector that accommodates #2 AWG Class B,C, can also accommodate a #3 Class G, H, I, K, M, DLO flexible wire when using a 644 or 444S series tools with the number of crimps identified in the table below.



Catalog Number Designation		Wire Sizes		# Crimps*	
Terminal	Splice*	Copper Code Wire	Copper Flexible Wire and DLO (if applicable)	Standard Barrel	Long Barrel
YA1C-	YS1C-	#1 AWG	#2 FLEX G,H,I,K,M,DLO	1	1
YA25-	YS25-	1/0 AWG	#1 FLEX G,H,I,K,M,DLO	1	1
YA26-	YS26-	2/0 AWG	1/0 FLEX G,H,I,K,M,DLO	1	1
YA27-	YS27-	3/0 AWG	2/0 FLEX G,H,I,K,M,DLO	1	1
YA28-	YS28-	4/0 AWG	3/0 FLEX G,H,I,K,M,DLO	1	1
YA29-	YS29-	250 kcmil	4/0 FLEX G,H	1	1
YA30-	YS30-	300 kcmil	4/0 FLEX I,K,M,DLO 250 FLEX G,H	1	1
YA31-	YS31-	350 kcmil	250 FLEX I,K,M, 262 DLO	1	1
YA32-	YS32-	400 kcmil	300 FLEX G,H,I,K,M, 313 DLO	1	1
YA34-	YS34-	500 kcmil	350 FLEX G,H,I,K,M, 373 DLO	1	1
YA36-	YS36-	600 kcmil	450 FLEX I,K,M, 444 DLO 500 FLEX G,H	1	1
YA38-	YS38-	700 kcmil	500 FLEX I,K,M, 535 DLO	1	1
			550 FLEX G,H	1	1
YA39-	YS39-	750 kcmil	600 FLEX G	1	1
			550 FLEX M	1	1
YA40-	YS40-	800 kcmil	600 FLEX H,I,K,M	1	1
			650 FLEX G, 646 DLO	1	1
YA44-	YS44-	1000 kcmil	650 FLEX I	1	1
			750 FLEX G,H, 777 DLO	1	1

*Splices: # of crimps required for each side



Code Connectors Accommodating Flexible Wire with Dieless Tools

The following code connectors can accommodate flexible wire when using the 81K series 4-POINT® dieless platform of installation tools ONLY. See table for specific connector to wire combinations.

Example: YA2CN code connector that accommodates #2 AWG Class B,C, can also accommodate a #3 Class G, H, I, K, M, DLO flexible wire when using an 81K series tool with the number of crimps identified in the table below.



Catalog Number Designation		Wire Sizes		# Crimps*	
Terminal	Splice*	Copper Code Wire	Copper Flexible Wire and DLO (if applicable)	Standard Barrel	Long Barrel
YA8C-	YS8C-	#8 AWG	#8 FLEX G,H,I,K,M,DLO	1	1
YA4C-	YS4C-	#4 AWG	#6 FLEX G,H,I,K,M,DLO #5 FLEX G,H,I,K,M,DLO	1	1
YA3C-	YS3C-	#3 AWG	#4 FLEX G,H,I,K,M,DLO	1	1
YA2C-	YS2C-	#2 AWG	#3 FLEX G,H,I,K,M,DLO	1	1
YA1C-	YS1C-	#1 AWG	#2 FLEX G,H,I,K,M,DLO	1	1
YA25-	YS25-	1/0 AWG	#1 FLEX G,H,I,K,M,DLO	1	2
YA26-	YS26-	2/0 AWG	1/0 FLEX G,H,I,K,M,DLO	1	2
YA27-	YS27-	3/0 AWG	2/0 FLEX G,H,I,K,M,DLO	1	2
YA28-	YS28-	4/0 AWG	3/0 FLEX G,H,I,K,M,DLO	1	2
YA29-	YS29-	250 kcmil	4/0 FLEX G,H	1	2
YA30-	YS30-	300 kcmil	4/0 FLEX I,K,M,DLO 250 FLEX G,H	1	2
YA31-	YS31-	350 kcmil	250 FLEX I,K,M, 262 DLO	1	2
YA32-	YS32-	400 kcmil	300 FLEX G,H,I,K,M, 313 DLO	1	2
YA34-	YS34-	500 kcmil	350 FLEX G,H,I,K,M, 373 DLO	1	2
YA36-	YS36-	600 kcmil	450 FLEX I,K,M, 444 DLO 500 FLEX G,H	2	2
YA38-	YS38-	700 kcmil	500 FLEX I,K,M, 535 DLO	2	2
			550 FLEX G,H	2	2
YA39-	YS39-	750 kcmil	600 FLEX G	2	3
			550 FLEX M	2	3
YA40-	YS40-	800 kcmil	600 FLEX H,I,K,M	2	3
			650 FLEX G, 646 DLO	2	3
YA44-	YS44-	1000 kcmil	650 FLEX I	—	3
			750 FLEX G,H, 777 DLO	2	3

*Splices: # of crimps required for each side



Code Class B/C
Terminal
(YA2CN shown)

+



Flexible Wire
Accommodates
(#3 G,H,I,K,M,DLO)

+



=



UL Listed
CSA Certified

EXPANDED RANGES



The following list of connector types can accommodate a range of conductors when crimped using the 644 and 444S family of tools:

COPPER CONNECTORS

Copper HYLUG™ & HYLINK™ Connectors Types YA, YA-L, YAB, YS, YS-L, YSR, YST, YS-T, YSP-T			
Catalog No.		Copper Wire Size	Copper Expanded Wire Range
Terminal*	Splice**		
YA4C- YA3C- YA2C- YA1C-	YS4C- YS3C- YS2C- YS1C-	#4 AWG #3 AWG #2 AWG #1 AWG	#4 AWG #3 - #4 AWG #2 - #4 AWG #1 - #4 AWG
YA25- YA26- YA27- YA28-	YS25- YS26- YS27- YS28-	1/0 AWG 2/0 AWG 3/0 AWG 4/0 AWG	1/0 - #4 AWG 2/0 - #4 AWG 3/0 - #2 AWG 4/0 - #1 AWG
YA29- YA30- YA31- YA32- YA34-	YS29- YS30- YS31- YS32- YS34-	250 kcmil 300 kcmil 350 kcmil 400 kcmil 500 kcmil	250 kcmil - 1/0 AWG 300 kcmil - 2/0 AWG 350 kcmil - 3/0 AWG 400 kcmil - 4/0 AWG 500 kcmil - 4/0 AWG
YA36- YA39- YA40-	YS36- YS39- YS40-	600 kcmil 750 kcmil 800 kcmil	600 - 250 kcmil 750 - 500 kcmil 800 - 500 kcmil
YA44-	YS44-	1000 kcmil	1000 - 750 kcmil

* 1 Crimp
** 1 Crimp per side

ALUMINUM CONNECTORS

Aluminum HYLUG™ & HYLINK™ Connectors Types YA-A & YS-A			
Catalog No.		Copper or Aluminum Wire Size	Copper or Aluminum Expanded Wire Range
Terminal*	Splice**		
YA6CA- YA4CA- YA2CA- YA1CA-	YS6CA- YS4CA- YS2CA- YS1CA-	#6 AWG #4 AWG #2 AWG #1 AWG	#6 AWG #4 - #6 AWG #2 - #6 AWG #1 - #2 AWG
YA25A- YA26A- YA27A- YA28A-	YS25A- YS26A- YS27A- YS28A-	1/0 AWG 2/0 AWG 3/0 AWG 4/0 AWG	1/0 - #1 AWG 2/0 - #1 AWG 3/0 - #1 AWG 4/0 - #1 AWG
YA29A- YA30A- YA31A- YA32A- YA34A-	YS29A- YS30A- YS31A- YS32A- YS34A-	250 kcmil 300 kcmil 350 kcmil 400 kcmil 500 kcmil	250 kcmil - 1/0 AWG 300 kcmil - 2/0 AWG 350 kcmil - 3/0 AWG 400 kcmil - 4/0 AWG 500 kcmil - 4/0 AWG
YA36A- YA39A- YA40A- YA42A- †	YS36A- YS39A- YS40A- YS42A- ‡	600 kcmil 750 kcmil 800 kcmil 900 kcmil ▲	600 - 250 kcmil 750 - 500 kcmil 800 - 500 kcmil 900 - 600 kcmil
YA44A-	YS44A-	1000 kcmil	1000 - 750 kcmil

* 1 Crimp
** 1 Crimp per side
▲ 900 AL only
† 2 Crimps
‡ 2 Crimps per side

AYP/AYPO ALUMINUM CONNECTORS

(Aluminum Conductor Only)				
Wire Size	Expanded Range	Pin		# Crimps
		Straight	Offset	
#6 AWG	#6 AWG	AYP6	—	1
#4 AWG	#4 AWG	AYP4	—	1
#2 AWG	#4 - #2 AWG	AYP2	—	1
#1 AWG	#2 - #1 AWG	AYP1	—	1
1/0 AWG	#1 - 1/0 AWG	AYP1/0	—	1
2/0 AWG	#1 - 2/0 AWG	AYP2/0	AYPO2/0	2
3/0 AWG	#1 - 3/0 AWG	AYP3/0	AYPO3/0	2
4/0 AWG	#1 - 4/0 AWG	AYP4/0	AYPO4/0	2
250 kcmil	1/0 - 250 kcmil	AYP250	AYPO250	2
300 kcmil	2/0 - 300 kcmil	AYP300	AYPO300	2
350 kcmil	3/0 - 350 kcmil	AYP350	AYPO350	2
400 kcmil	4/0 - 400 kcmil	AYP400	AYPO400	2
500 kcmil	4/0 - 500 kcmil	AYP500	AYPO500	2
600 kcmil	250 - 600 kcmil	AYP600	AYPO600	3
750 kcmil	500 - 750 kcmil	AYP750	AYPO750	3



EXPANDED RANGES

The following list of connector types can accommodate a range of conductors when crimped using the 4-POINT® (81K or 4PC) family of tools:



COPPER CONNECTORS

Copper Conductor (Class B&C)**							
Copper Conductor		Standard Barrel			Long Barrel		
Wire Size	Expanded Range	Terminal	Splice	# of Crimps*	Terminal	Splice	# of Crimps*
#8 AWG	#8 AWG	YA8CL-	YS8CL-	1	YA8C-	YS8C-	1
#6 AWG	#6 AWG	YA6CL-	YS6CL-	1	YA6C-	YS6C-	1
#4 AWG	#6 - #4	YA4CL-	YS4CL-	1	YA4C-	YS4C-	1
#2 AWG	#6-#2	YA2CL-	YS2CL-	1	YA2C-	YS2C-	2
#1 AWG	#6-#1	YA1CL-	YS1CL-	1	YA1C-	YS1C-	2
1/0 AWG	#6-1/0	YA25L-	YS25L-	1	YA25-	YS25-	2
2/0 AWG	#4 - 2/0	YA26L-	YS26L-	1	YA26-	YS26-	2
3/0 AWG	#2 - 3/0	YA27L-	YS27L-	2	YA27-	YS27-	2
4/0 AWG	#1 - 4/0	YA28L-	YS28L-	2	YA28-	YS28-	2
250 kcmil	1/0 - 250	YA29L-	YS29L-	2	YA29-	YS29-	2
300 kcmil	2/0 - 300	YA30L-	YS30L-	2	YA30-	YS30-	3
350 kcmil	3/0 - 350	YA31L-	YS31L-	2	YA31-	YS31-	3
400 kcmil	4/0 - 400	YA32L-	YS32L-	2	YA32-	YS32-	3
500 kcmil	4/0 - 500	YA34L-	YS34L-	2	YA34-	YS34-	4
600 kcmil	250 - 600	YA36L-	YS36L-	2	YA36-	YS36-	4
700 kcmil	350-700	YA38L-	YS38L-	3	YA38-	YS38-	4
750 kcmil	500-750	YA39L-	YS39L-	3	YA39-	YS39-	4
800 kcmil	500-800	YA40L-	YS40L-	3	YA40-	YS40-	4
1000 kcmil	750-1000	YA44L-	YS44L-	3	YA44-	YS44-	4

ALUMINUM CONNECTORS

Aluminum & Copper Conductor (Class B & C)**				
Copper / Aluminum Conductor		Connector		
Wire Size	Expanded Range	Terminal	Splice	# Crimps
#8 AWG	#8 AWG	YA8CA-	YS8CA-	1
#6 AWG	#6 AWG	YA6CA-	YS6CA-	1
#4 AWG	#6 - #4 AWG	YA4CA-	YS4CA-	1
#2 AWG	#6-#2 AWG	YA2CA-	YS2CA-	2
#1 AWG	#6-#1 AWG	YA1CA-	YS1CA-	2
1/0 AWG	#6-1/0 AWG	YA25A-	YS25A-	2
2/0 AWG	#4 - 2/0 AWG	YA26A-	YS26A-	2
3/0 AWG	#2 - 3/0 AWG	YA27A-	YS27A-	2
4/0 AWG	#1 - 4/0 AWG	YA28A-	YS28A-	2
250 kcmil	1/0 - 250	YA29A-	YS29A-	2
300 kcmil	2/0 - 300	YA30A-	YS30A-	2
350 kcmil	3/0 - 350	YA31A-	YS31A-	3
400 kcmil	4/0 - 400	YA32A-	YS32A-	4
500 kcmil	4/0 - 500	YA34A-	YS34A-	4
600 kcmil	250 - 600	YA36A-	YS36A-	4
750 kcmil	500-750	YA39A-	YS39A-	4



PAT81KFTLI



PAT4PC834LI

* Same number of recommended crimps for both Standard and Expanded wire ranges

** Class B - Concentric, Compressed, or Compact



The following list of connector types can accommodate a range of conductors when crimped using the 4-POINT® (81K or 4PC) family of tools:



EXPANDED RANGES

COPPER CONNECTORS

Nom Flex Wire Size	Copper Conductor (Flex Only)							
	Standard Barrel				Long Barrel			
	Expanded Range	Terminal	Splice	# of Crimps	Expanded Range	Terminal	Splice	# of Crimps
#8 AWG	#8 AWG	YAV8CL-	YSV8CL-	1	#8 AWG	YAV8C-	YSV8C-	1
#6 AWG	#6 AWG	YAV6CL-	YSV6CL-	1	#6 AWG	YAV6C-	YSV6C-	1
#4 AWG	#6 - #4 AWG	YAV4CL-	YSV4CL-	1	#6 - #4 AWG	YAV4C-	YSV4C-	1
#2 AWG	#6 - #2 AWG	YAV2CL-	YSV2CL-	1	#6 - #2 AWG	YAV2C-	YSV2C-	1
#1 AWG	#4 - #1 AWG	YAV1CL-	YSV1CL-	1	#4 - #1 AWG	YAV1C-	YSV1C-	1
1/0 AWG	#4 - 1/0 AWG	YAV25L-	YSV25L-	1	#4 - 1/0 AWG	YAV25-	YSV25-	2
2/0 AWG	#2 - 2/0 AWG	YAV26L-	YSV26L-	1	#4 - 2/0 AWG	YAV26-	YSV26-	2
3/0 AWG	#1 - 3/0 AWG	YAV27L-	YSV27L-	1	#2 - 3/0 AWG	YAV27-	YSV27-	2
4/0 AWG	1/0 - 4/0 AWG	YAV28L-	YSV28L-	1	#1 - 4/0 AWG	YAV28-	YSV28-	2
250 kcmil	3/0 AWG - 250 kcmil	YAV29L-	YS29L-	1	1/0 AWG - 250 kcmil	YAV29-	YS29-	2
300 kcmil	4/0 AWG - 313.1 kcmil	YA32L-	YS32L-	1	2/0 AWG - 313.1 kcmil	YA32-	YS32-	2
350 kcmil	262.2 - 373.7 kcmil	YA34L-	YS34L-	1	3/0 AWG - 373.7 kcmil	YA34-	YS34-	2
450 kcmil	373.7 - 444.4 kcmil	YA36L-	YS36L-	1	262.2 - 444.4 kcmil	YA36-	YS36-	2
450 kcmil	262.2 - 444.4 kcmil	YA36L-	YS36L-	2				
500 kcmil	444.4 - 535.3 kcmil	YA38L-	YS38L-	1	373.7 - 535.3 kcmil	YA38-	YS38-	2
500 kcmil	373.7 - 535.3 kcmil	YA38L-	YS38L-	2				
600 kcmil	373.7 - 600 kcmil	YA39L-	YS39L-	2	262.2 - 600 kcmil	YA39-	YS39-	3
650 kcmil	444.4 - 646 kcmil	YA40L-	YS40L-	2	444.4 - 646 kcmil	YA40-	YS40-	3
750 kcmil	750.0 - 777.7 kcmil	YA44L-	YS44L-	2	646.0 - 777.7 kcmil	YA44-	YS44-	3



PAT81KFTLI



PAT4PC834LI

TYPES YA-L, YA-L-TC

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

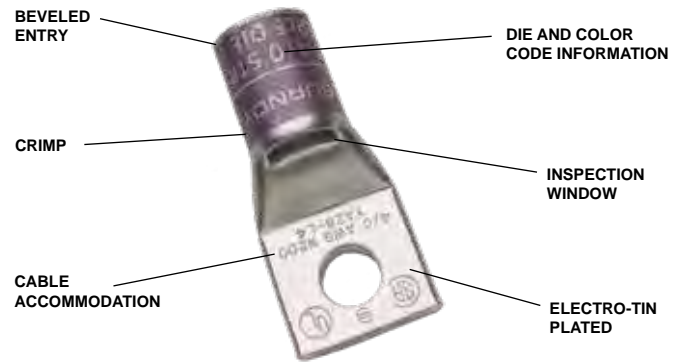
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

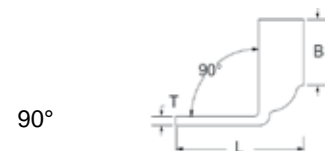
- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug; not recommended in highly corrosive environments as the wire in the barrel is exposed to corrosive elements when installed
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



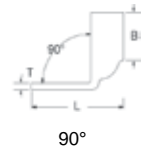
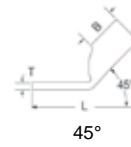
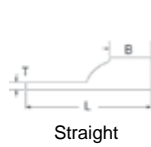
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Compression Connections

Copper Compression — Code — One Hole
Standard Barrel

TYPES YA-L, YA-L-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YAV10BOX	#14-#10 Str #12-#10 Sol	3.31 - 5.26 6	#8-#10	0.38	0.40	0.06	0.97	Non-Ratchet: Y10D, Y1022 Ratchet: MR8G98, MR89Q, Y8MRB1, MR20, N10HT, N10HT24, Y122CMR	—	—	—	—	—	7/16"
YAV10RBOX (90°)			#8-#10	0.38	0.38	0.06	0.53							3/8"
YAV10T2BOX			5/16	0.53	0.39	0.04	1.13							7/16"
YAV10R3BOX (90°)			1/4	0.47	0.38	0.04	0.55							5/16"
YAV10T3BOX			1/4	0.45	0.41	0.05	1.10							7/16"
YAV10T4BOX			3/8	0.55	0.45	0.04	1.17							
YA8CLBOX	#8 AWG #8 Flex G,H,I,K,M DLO	8.37 † 10	#8-#10	0.41	0.44	0.08	1.16	Y122CMR (1) Y1MRTC (1) MRC840 (1) Y8MRB1 (1) MY29 Series (1) 4PC Series (1) 81K Series (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16
YA8CL1BOX			1/4	0.44	0.44	0.08	1.26							
YA8CL2BOX			5/16	0.52	0.44	0.06	1.38							
YA8CL3BOX			3/8	0.58	0.44	0.06	1.51							
YA8CL4BOX			1/2	0.71	0.44	0.05	1.76							
YA6CL1BOX	#6 AWG Str. Sol.	13.3	#8-#10	0.41	0.54	0.09	1.27	Y122CMR (1) Y1MRTC (1) MRC840 (1) MY29 Series (1) 81K Series (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	U5CRT (1)	Blue	7 or 374	9/16
YA6CLBOX			1/4	0.45	0.54	0.08	1.45							
YA6CL3BOX			5/16	0.52	0.54	0.07	1.52							
YA6CL4BOX			3/8	0.63	0.54	0.06	1.62							
YA6CL6			1/2	0.75	0.54	0.12	1.87							
YA5CL	#5 AWG	—	1/4	0.44	0.81	0.07	1.65	W5CRT (1) W5CVT (1) X5CRT (1)	W5CRT (1) X5CRT (1) W5CVT (1)					
YA4CL1BOX	#4 AWG	21.2	#8-#10	0.50	0.81	0.09	1.58	Y122CMR (2) Y1MRTC (2) MRC840 (1) MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1) U6CABT (1)	Gray	8	7/8
YA4CLBOX			1/4	0.50	0.81	0.09	1.74							
YA4CL3BOX			5/16	0.50	0.81	0.08	1.79							
YA4CL4BOX			3/8	0.58	0.81	0.09	1.92							
YA4CL6BOX			1/2	0.71	0.81	0.06	2.20							
YA3CL	#3 Str #2 Sol	26.7 25	5/16	0.55	0.88	0.09	1.88	W3CRT (1)	W3CRT (1)	U3CRT (1)	White	9	15/16	

* Use PUADP1 adapter with U dies in 46 Series

** P-RT die sets for use in Y46 HYPRESS™ only, PUADP1 adapter not required

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† The MM² conductor size listed is for both Class 2 and Class 5 conductor

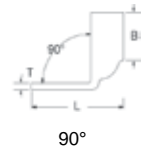
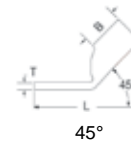
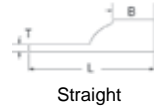
▲ See tooling section of this catalog for complete tool and die listings

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

YAV10 Series feature rounded tongues and are not ink stamped

TYPES YA-L, YA-L-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA2CL2BOX	#2 AWG	33.6 35	1/4	0.61	0.88	0.11	1.88	Y122CMR (2)** Y1MRTC (2) MY29 Series (1) MRC840 (1) 644 Series (1) 444 Series (1) 81K Series (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	15/16
YA2CLBOX			5/16	0.61	0.88	0.11	1.93							
YA2CL4BOX			3/8	0.61	0.88	0.11	2.06							
YA2CL6BOX			1/2	0.73	0.88	0.09	2.32							
YA1CL2	#1 AWG	42.4 50	1/4	0.68	0.88	0.10	1.81		W1CVT(1) W1CRT1 (1) X1CRT1 (1)	W1CVT(1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (1) U4CABT (1)	Green	11 or 375	15/16
YA1CLBOX			5/16	0.68	0.88	0.10	1.94							
YA1CL4BOX			3/8	0.68	0.88	0.10	2.06							
YA1CL6BOX			1/2	0.73	0.88	0.09	2.37							
YA25L2BOX	1/0 AWG	53.5	1/4	0.75	0.88	0.12	1.84	MY29 Series (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1) U2CABT (1)	Pink	12	15/16
YA25LBOX			5/16	0.75	0.88	0.12	1.96							
YA25L4BOX			3/8	0.75	0.88	0.12	2.09							
YA25L6			1/2	0.75	0.88	0.12	2.34							
YA26L2BOX	2/0 AWG	67.4 70	1/4	0.83	0.94	0.12	1.94		W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	1
YA26L3			5/16	0.83	0.94	0.12	2.06							
YA26LBOX			3/8	0.83	0.94	0.12	2.19							
YA26L6BOX			1/2	0.83	0.94	0.12	2.44							
YA26L60	3/4	1.02	0.94	0.10	2.96									
YA27L3	3/0 AWG	85	5/16	0.91	1.00	0.13	2.16	MY29 Series (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1-1/16
YA27L4BOX			3/8	0.91	1.00	0.13	2.29							
YA27LBOX			1/2	0.91	1.00	0.13	2.54							
YA28L2	4/0 AWG	107	1/4	1.02	0.88	0.14	1.96	MY29 Series (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/8
YA28L3			5/16	1.02	0.88	0.14	2.08							
YA28L4BOX			3/8	1.02	0.88	0.14	2.21							
YA28LBOX			1/2	1.02	0.88	0.14	2.46							
YA28L56	3/4	1.05	0.88	0.13	2.90									
YA29L2	250 kcmil	127	1/4	1.11	1.06	0.16	2.17	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (2)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/8
YA29L4			3/8	1.11	1.06	0.16	2.42							
YA29L7			5/16	1.11	1.06	0.16	2.30							
YA29LBOX			1/2	1.11	1.06	0.16	2.67							
YA29LTC78			7/8	1.11	1.06	0.14	3.36							

* Use PUADP1 adapter with U dies in 46 Series
 ** Y122CMR tool #10-#2 AWG Wire only
 *** The MM² conductor sizes listed are the recommendations for Class 2 conductor

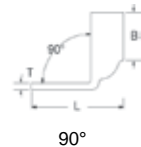
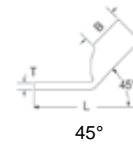
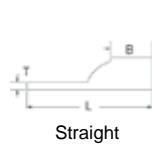
▲ See tooling section of this catalog for complete tool and die listings.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.
 Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Code — One Hole
Standard Barrel

TYPES YA-L, YA-L-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA30L1	300 kcmil	152 150	5/16	1.20	1.03	0.16	2.31	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2) U28ART (2)	White	17	1-1/16
YA30L24			3/8	1.20	1.03	0.16	2.44							
YA30L			1/2	1.20	1.03	0.16	2.69							
YA30LN			1/2	1.20	1.03	0.16	2.87							
YA30L7			5/8	1.20	1.03	0.16	2.94							
YA30L28			3/4	1.20	1.03	0.16	3.12							
YA30L27			7/8	1.20	1.03	0.16	3.37							
YA31L11			350 kcmil	177 185	3/8	1.29	1.06							0.18	2.50	644 Series (1) 444 Series (1) 81K Series (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2) U29ART (2)	Red	18	1-1/8
YA31L	1/2	1.29			1.06	0.18	2.75							
YA31L7	5/8	1.29			1.06	0.18	3.00							
YA31L36	7/8	1.29			1.06	0.18	4.02							
YA32L14	400 kcmil	203	3/8	1.40	1.19	0.19	2.68	644 Series (1) 444 Series (1) 81K Series (2)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2) U30ART (2)	Blue	19	1-1/4
YA32LN			1/2	1.40	1.19	0.19	3.12							
YA32L1			1/2	1.40	1.19	0.19	2.93							
YA32L			5/8	1.40	1.19	0.19	3.18							
YA32LTC78	7/8	1.40	1.19	0.19	3.62									
YA33L	450 kcmil	—	5/8	1.48	1.50	0.21	3.57	644 Series (1) 444 Series (1) 81K Series (2)	W33VT (2)	W33VT (2) W33RT (2)	U33RT (2)	Gray	326	1-9/16
YA34L37	500 kcmil	253 240	3/8	1.55	1.27	0.23	2.87	644 Series (1) 444 Series (1) 81K Series (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2) U31ART (1)	Brown	20	1-7/16
YA34L6			1/2	1.55	1.27	0.23	3.12							
YA34L			5/8	1.55	1.27	0.23	3.37							
YA34L8			3/4	1.55	1.27	0.23	3.55							
YA34L9			7/8	1.55	1.27	0.23	3.80							
YA34L20			1	1.55	1.27	0.23	4.05							
YA36L11	600 kcmil	304 300	1/2	1.74	1.38	0.27	3.29	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U36RT (2)	Green	22 or 472	1-3/4
YA36L			5/8	1.74	1.38	0.27	3.54							
YA36LTC78			7/8	1.74	1.38	0.27	3.97							

* Use PUADP1 adapter with U dies in 46 Series

** P-RT die sets for use in 46 Series only, PUADP1 adapter not required

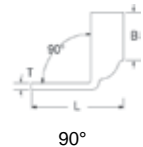
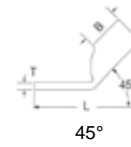
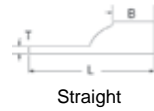
*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPES YA-L, YA-L-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA37L	650 kcmil	—	5/8	1.80	1.39	0.27	3.57	—	—	U37RT (2)	Orange	23	1-15/16	
YA37L1			3/4	1.80	1.39	0.27	3.76							
YA38L	700 kcmil	355	5/8	1.84	1.45	0.27	3.66	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U38RT (2)	Pink	400	1-15/16
YA39L6	750 kcmil	380	1/2	1.91	1.42	0.27	3.41							
YA39L			5/8	1.91	1.42	0.27	3.57							
YA39L2			7/8	1.91	1.42	0.27	4.10							
YA39L9			1-1/4	1.91	1.42	0.27	4.85							
YA40L	800 kcmil	405 400	5/8	1.98	1.42	0.30	3.81	644 Series (1) 444 Series (1) 81K Series (3)	—	—	P40RT (3)**	Orange	25	1-15/16
YA41L	850 kcmil	—	5/8	2.01	1.88	0.31	4.15							
YA44L2	1000 kcmil	507 500	1/2	2.19	1.65	0.33	3.98	—	—	—	P44RT (3)**	White	27	1-15/16
YA44L			5/8	2.19	1.65	0.33	4.04							
YA44L23			1	2.19	1.65	0.33	4.73							
YA45L	1250 kcmil	633	3/4	2.46	2.00	0.38	4.68	—	—	—	P45RT (3)**	Yellow	29	2-1/16
YA453LBOX	1300 kcmil	—	3/4	2.53	2.00	0.39	4.71	—	—	—	-	Orange	30	2-1/16
YA46L	1500 kcmil	760	3/4	2.69	2.00	0.40	4.78	—	—	—	P46RT (3)**	Green	31	2-1/16
YA48L	2000 kcmil	1010 1000	3/4	3.10	2.25	0.46	5.19	—	—	—	-	Brown	34	2-3/8

* Use PUADP1 adapter with U dies in 46 Series

** P-RT die sets for use in 46 Series only, PUADP1 adapter not required

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPE YA-L-NT

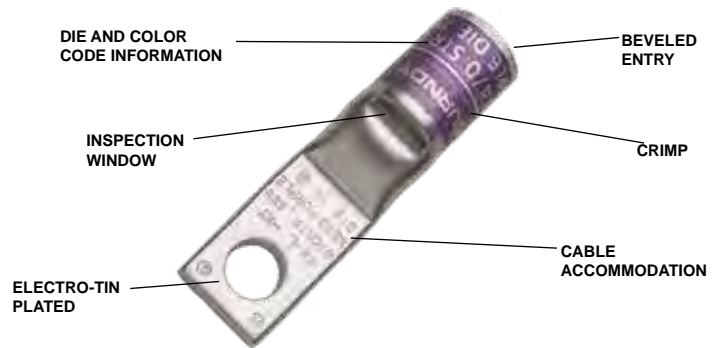
HYLUG™

Uninsulated Copper Compression Narrow Tongue Terminal
UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug; not recommended in highly corrosive environments as the wire in the barrel is exposed to corrosive elements when installed
- Narrow tongue/tang is designed for limited space applications
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

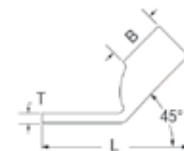


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

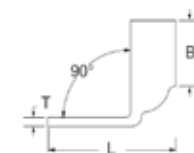
Straight



45°



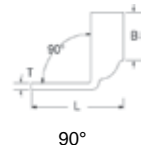
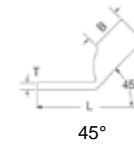
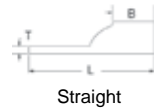
90°



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPE YA-L,-NT (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)						Wire Strip Length
	AWG	MM ² ***			(B)	(T)	(L)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750 46° Series	Color Code	Die Index	
YA8CLNT6	#8 AWG #8 Flex G,H,I,K,M DLO	8.37 10	#6	0.29	0.44	0.09	1.08	Y1MRTC (1) Y122CMR (1) MY29 Series (1) 81K Series (1)	W8CVT (1)	X8CRT (1)	U8CRT (1)	Red	49	1/2
YA8CLNT8			#8	0.33	0.44	0.09	1.18							
YA6CLNT6	#6 AWG Sol./Str.	13.3	#6	0.29	0.54	0.09	1.17	Y1MRTC (1) Y122CMR (1) MY29 Series (1) MRC840 (1) 81K Series (1)	W5CVT (1)	X5CRT (1)	U5CRT (1)	Blue	7	7/8
YA4CLNT10	#4 AWG	21.2	#10	0.40	0.81	0.09	1.73		W4CVT (1)	X4CRT (1)	U4CRT (1)	Gray	8	7/8
YA3CLNT14	#3 AWG #2 Sol.	26.7 25	1/4	0.41	0.88	0.08	1.82		W3CVT (1)	W3CVT (1)	U3CRT (1)	White	9	15/16
YA3CLNT516			5/16	0.49	0.88	0.08	1.80		W2CVT (1)	X2CRT (1)	U2CRT (1)	Brown	10	15/16
YA2CLNT10	#10	0.48	0.88	0.11	1.80									
YA2CLNT14	#2 AWG	33.6 35	1/4	0.48	0.88	0.11	1.80							
YA2CLNT516			5/16	0.49	0.88	0.11	1.82							
YA1CLNT10	#1 AWG	42.4 50	#10	0.50	0.88	0.10	2.23		MY29 Series (1) 81K Series (1)	W1CVT (1)	X1CRT (1)	U1CRT (1)	Green	11	15/16
YA1CLNT14			1/4	0.50	0.88	0.10	2.23							
YA25LNT10	1/0 AWG	53.5	#10	0.62	0.88	0.12	2.28	MY29 Series (1) MRC840 (1) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (2)	X25RT (2)	U25RT (1)	Pink	12	15/16
YA25LNT14			1/4	0.48	0.88	0.12	1.93							
YA25LNT516			5/16	0.62	0.88	0.12	2.28							
YA25LNT38			3/8	0.62	0.88	0.12	2.18							
YA26LNT10	2/0 AWG	67.4 70	#10	0.62	0.94	0.13	2.62		W26VT (2)	X26RT (1)	U26RT (1)	Black	13	1
YA26LNT14			1/4	0.48	0.94	0.12	2.02							
YA26LNT516			5/16	0.62	0.94	0.13	2.62							
YA26LNT38			3/8	0.72	0.94	0.12	2.48							
YA27LNT14	3/0 AWG	85	1/4	0.76	1.00	0.13	2.10	MY29 Series (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (2)	X27RT (3)	U27RT (1)	Orange	14	1-1/16
YA27LNT516			5/16	0.60	1.00	0.12	2.17							
YA27LNT38			3/8	0.76	1.00	0.12	2.73							
YA28LNT14	4/0 AWG	107	1/4	0.76	0.88	0.14	2.60	W28VT (2)	X28RT (3)	U28RT (1)	Purple	15	1-1/8	
YA28LNT516			5/16	0.70	0.88	0.14	2.09							
YA28LNT38			3/8	0.76	0.88	0.14	2.67							W28VT (2) W28RT (2) X28RT (3)	X28RT (3)	U28RT (1)	Purple	15	1-1/16

* Use PUADP1 adapter with U dies in 46 Series
 ** The MM² conductor size listed is for Class 2 and Class 5 conductor
 *** The MM² conductor sizes listed are the recommendations for Class 2 conductor

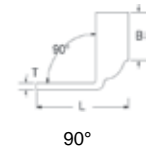
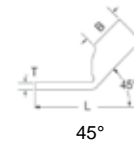
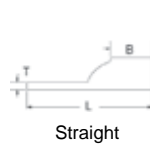
▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for FX connectors. For nest/indentor system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions
 Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Code — One Hole
Narrow Tongue, Standard Barrel

TYPE YA-L-NT (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless	Installation Tooling (# of crimps)					Wire Strip Length
	AWG	MM ² ***			(B)	(T)	(L)		Mech. MD6, OUR840, MD734R	Hydraulic		Color Code	Die Index	
YA29LNT516	250 kcmil	127	5/16	0.76	1.06	0.16	2.49	MY29 Series (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W29VT (2)	X29RT (4)	U29RT (1)			Yellow	16	1-1/8
YA29LNT38			3/8	0.76	1.06	0.16	2.96							
YA29LNT38			3/8	0.96	1.06	0.16	2.96							
YA30LNT14	300 kcmil	152	1/4	0.83	1.03	0.16	2.26	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (2)	—	U30RT (2)	White	17	1-1/8
YA30LNT38		150	3/8	0.96	1.03	0.16	2.97							
YA31LNT38	350 kcmil	177	3/8	0.96	1.06	0.18	3.31		W31VT (2)	—	U31RT (2)	Red	18	1-1/8
YA31LNT12		185	1/2	0.88	1.06	0.18	2.75							
YA32LNT38	400 kcmil	203	3/8	0.96	1.19	0.20	3.21		W32VT (2)	—	U32RT (2)	Blue	19	1-1/4
YA32LNT12			1/2	0.96	1.19	0.19	3.21							
YA34LNT38	500 kcmil	253	3/8	0.96	1.27	0.23	3.65		W34VT (2)	—	U34RT (2)	Brown	20	1-7/16
YA34LNT12		240	1/2	0.96	1.27	0.23	3.65							
YA36LNT38	600 kcmil	304	3/8	1.12	1.38	0.27	4.09		—	—	U36RT (2)	Green	22	1-3/4
YA36LNT12		300	1/2	1.00	1.38	0.27	3.29							
YA39LNT38	750 kcmil	355	3/8	1.12	1.42	0.27	4.24	81K Series (3)	—	—	U39RT (2)	Black	24	1-15/16
YA39LNT12			1/2	1.12	1.42	0.27	4.24							
YA39LNT58			5/8	1.30	1.42	0.27	3.67							

* Use PUADP1 adapter with U dies in 46 Series

** The MM² conductor size listed is for Class 2 and Class 5 conductor

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

TYPES YA, YA-TC

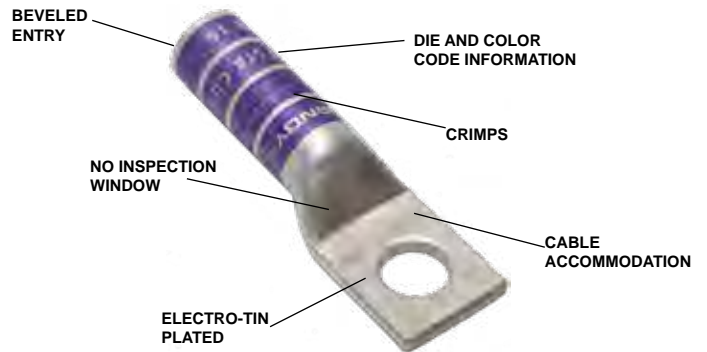
HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

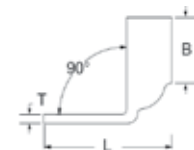
Straight



45°



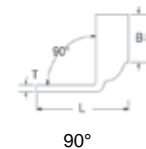
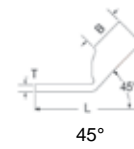
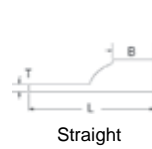
90°



Compression Connections

Copper Compression — Code — One Hole
Long Barrel — No Inspection Window

TYPES YA, YA-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750 46** Series	Color Code	Die Index	
YA8CTC10	#8 AWG #8 Flex G,H,I,K,M DLO	8.37 † 10	#10	0.41	0.81	0.08	1.57	Y122CMR (2) MRC840 (2) MY29 Series (2) Y8MBR1 (1) Y1MR TC (2) 81K Series (1)	W8CVT (2) W8CRT (2) X8CRT (2)	X8CRT (2) W8CVT (2) W8CRT (2)	U8CRT (2)	Red	49	7/8
YA8CTC14			1/4	0.44	0.81	0.08	1.69							
YA8CTC38			3/8	0.58	0.81	0.06	1.88							
YA6CTC8	#6 AWG Sol./Str.	13.3	#8	0.42	1.12	0.09	1.83	Y122CMR (2) MRC840 (2) MY29 Series (2) Y1MR TC (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16
YA6CTC10			#10	0.42	1.12	0.09	1.89							
YA6C			1/4	0.41	1.12	0.09	1.81							
YA6CN			1/2	0.83	1.12	0.12	2.64							
YA6CTC516			5/16	0.52	1.12	0.07	2.08							
YA6CTC38			3/8	0.58	1.12	0.06	2.21							
YA5C	#5 AWG	—	1/4	0.44	1.12	0.07	1.98	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16	
YA5CN			1/2	0.83	1.12	0.12	2.67							
YA4CTC10	#4 AWG	21.2	#10	0.50	1.12	0.09	1.94	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16	
YA4C			1/4	0.50	1.12	0.09	1.87							
YA4CTC38			3/8	0.58	1.12	0.08	2.25							
YA4CN			1/2	0.83	1.12	0.12	2.69							
YA3CTC14	#3 AWG #2 Solid	26.7 25	1/4	0.55	1.25	0.09	2.23	Y1MR TC (4) Y122CMR (4) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16
YA3C			5/16	0.55	1.25	0.09	2.30							
YA3CTC38			3/8	0.58	1.25	0.08	2.42							
YA3CN			1/2	0.83	1.25	0.12	2.86							
YA2CTC10	#2 AWG	33.6 35	#10	0.60	1.25	0.11	2.10	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16	
YA2CTC14			1/4	0.60	1.25	0.11	2.23							
YA2C			5/16	0.60	1.25	0.11	2.29							
YA2CTC38			3/8	0.60	1.25	0.11	2.41							
YA2CN			1/2	0.83	1.25	0.12	2.88							
YA1CTC10	#1 AWG	42.4 50	#10	0.68	1.38	0.10	2.27	Y1MR TC (4) MRC840 (2) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11	1-7/16
YA1CTC14			1/4	0.68	1.38	0.10	2.39							
YA1C			5/16	0.68	1.38	0.10	2.45							
YA1CTC38			3/8	0.68	1.38	0.10	2.58							
YA1CN			1/2	0.83	1.38	0.12	3.06							

* Use PUADP1 adapter with U dies in 46 Series

** P-RT die sets for use in 46 Series only, PUADP1 adapter not required

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

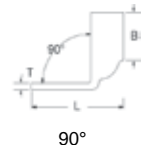
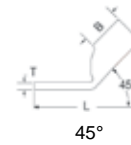
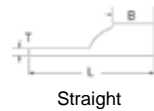
▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color coded die recommendations for -FX connectors. For nest/indentor system contact factory

◆ Available undrilled. Add suffix U to catalog number (example: YA25U)

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

TYPES YA, YA-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length						
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750 46** Series	Color Code	Die Index							
YA25TC10	1/0 AWG	53.5	#10	0.75	1.38	0.12	2.30	MRC840 (4) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12	1-7/16						
YA25			5/16	0.75	1.38	0.13	2.48													
YA25TC38			3/8	0.75	1.38	0.12	2.61													
YA25N			1/2	0.83	1.38	0.11	3.05													
YA26TC14	2/0 AWG	67.4 70	1/4	0.83	1.50	0.12	2.58	MRC840 (4) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16						
YA26TC516			5/16	0.83	1.50	0.12	2.65													
YA26			3/8	0.83	1.50	0.12	2.77													
YA26N			1/2	0.83	1.50	0.12	3.21													
YA27	3/0 AWG	85	1/2	0.91	1.50	0.13	3.06	MRC840 (4) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16						
YA28TC38	4/0 AWG	107	3/8	1.02	1.62	0.14	2.98													
YA28			1/2	1.02	1.62	0.14	3.23													
YA28N			1/2	1.02	1.62	0.14	3.41													
YA29	250 kcmil	127	1/2	1.11	1.62	0.16	3.26	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	1-11/16						
YA30	300 kcmil	152	1/2	1.20	2.00	0.16	3.69	644 Series (1) 444 Series (1) 81K Series (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17 or 298	2-1/16						
YA30N		150	1/2	1.20	2.00	0.16	3.88													
YA31	350 kcmil	177 185	1/2	1.29	2.00	0.18	3.73								W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18 or 324	2-1/16
YA32N	400 kcmil	203	1/2	1.40	2.12	0.19	4.09								W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16
YA32			5/8	1.40	2.12	0.19	4.15													

* Use PUADP1 adapter with U dies in 46 Series

** P-RT die sets for use in 46 Series only, PUADP1 adapter not required

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color coded die recommendations for -FX connectors. For nest/indenter system contact factory

• Available undrilled. Add suffix U to catalog number (example: YA25U)

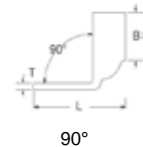
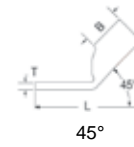
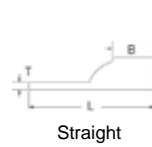
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

Compression Connections

Copper Compression — Code — One Hole
Long Barrel — No Inspection Window

TYPES YA, YA-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length								
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Color Code	Die Index									
YA33N	450 kcmil	—	1/2	1.48	2.13	0.21	4.17	644 Series (1) 444 Series (1) 81K Series (4)	W33VT (4)	W33VT (4) W33RT (4)	U33RT (4)	Gray	326 or 538	2-5/16								
YA33		—	5/8	1.48	2.13	0.21	4.24															
YA34N	500 kcmil	253	1/2	1.55	2.25	0.23	4.32		644 Series (1) 444 Series (1) 81K Series (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART (2)	Brown	20 or 299	2-5/16							
YA34		240	5/8	1.55	2.25	0.23	4.39															
YA36N	600 kcmil	304	1/2	1.74	2.69	0.27	4.83			644 Series (1) 444 Series (1) 81K Series (4)	—	—	U36RT (4) U32ART (4)	Green	22 or 472	2-3/4						
YA36		300	5/8	1.74	2.69	0.27	4.90															
YA37N	650 kcmil	—	1/2	1.80	2.81	0.27	4.98				644 Series (1) 444 Series (1) 81K Series (4)	—	—	U37RT (4)	Orange	23	2-7/8					
YA37		—	5/8	1.80	2.81	0.27	5.05															
YA38N	700 kcmil	355	1/2	1.84	2.81	0.27	5.01					644 Series (1) 444 Series (1) 81K Series (4)	—	—	U38RT (4)	Pink	400	2-7/8				
YA38		—	5/8	1.84	2.81	0.27	5.07															
YA39N	750 kcmil	380	1/2	1.91	2.88	0.27	5.11						644 Series (1) 444 Series (1) 81K Series (4)	—	—	U39RT (4) P39RT (4)	Black	24	2-15/16			
YA39		—	5/8	1.91	2.88	0.27	5.17															
YA40	800 kcmil	405 400	5/8	1.98	2.94	0.30	5.25							644 Series (1) 444 Series (1) 81K Series (4)	—	—	P40RT (4)	Orange	25	3		
YA41N	850 kcmil	—	1/2	2.01	2.94	0.31	5.20														644 Series (1) 444 Series (1) 81K Series (4)	—
YA41		—	5/8	2.01	2.94	0.31	5.26															
YA44N	1000 kcmil	507	1/2	2.19	3.00	0.33	5.38								644 Series (1) 444 Series (1) 81K Series (4)	—	—	P44RT (4)	White	27		3-1/16
YA44		500	5/8	2.19	3.00	0.33	5.45															
YA45	1250 kcmil	633	3/4	2.46	3.19	0.38	5.93	644 Series (1) 444 Series (1) 81K Series (4)								—	—	P45RT (6)	Yellow	29		3-1/4
YA46N	1500 kcmil	760	1/2	2.69	3.19	0.40	5.79		644 Series (1) 444 Series (1) 81K Series (4)														—	—	P46RT (6)	Green	31	3-5/16
YA46		—	3/4	2.69	3.19	0.40	6.04															
YA47N	1750 kcmil	887	1/2	2.90	3.44	0.42	6.13			644 Series (1) 444 Series (1) 81K Series (4)						—	—	—	Gray	33		3-1/2
YA47		—	3/4	2.90	3.44	0.42	6.38															
YA48N	2000 kcmil	1010	1/2	3.10	3.44	0.46	6.22				644 Series (1) 444 Series (1) 81K Series (4)					—	—	—	Brown	34		3-1/2
YA48		—	3/4	3.10	3.44	0.46	6.47															

* Use PUADP1 adapter with U dies in 46 Series

** P-RT die sets for use in 46 Series only, PUADP1 adapter not required

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color coded die recommendations for -FX connectors. For nest/indenter system contact factory

• Available undrilled. Add suffix U to catalog number (example: YA25U)

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

TYPE YAZ

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

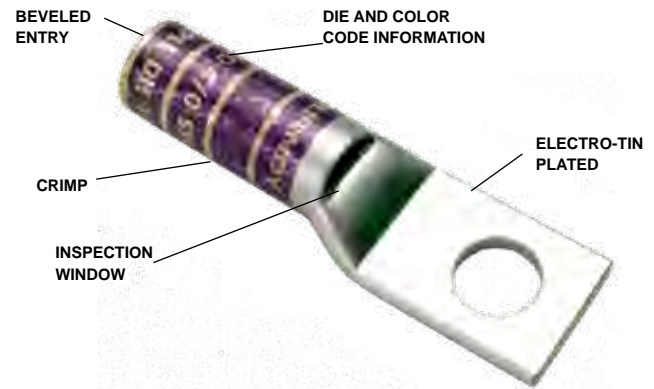
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

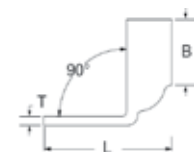
Straight



45°



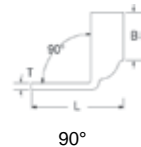
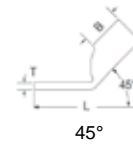
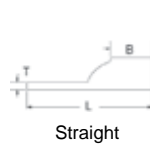
90°



Compression Connections

Copper Compression — Code — One Hole
Long Barrel — with Inspection Window

TYPE YAZ (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length	
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index		
YAZV10TC14	#14-10 Str #12-10 Sol	5.26 6	1/4	0.41	0.69	0.05	1.52	MR20 (2) Y8MRB1 (2) Y122CMR (2)	—	—	—	—	—	—	3/4
YAZ8CTC10	#8 AWG	8.37 10	#10	0.41	0.75	0.08	1.43	Y122CMR (2) Y1MRTC (2) MY29 Series (2) MRC840 (2) 81K Series (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	13/16	
YAZ8CTC14	#8 Flex G,H,I,K,M DLO		1/4	0.44	0.75	0.08	1.56								
YAZ8CTC38			3/8	0.58	0.75	0.06	1.75								
YAZ6CTC10	#6 AWG Sol / Str	13.3	#10	0.42	1.12	0.09	1.89		W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16	
YAZ6CTC14			1/4	0.45	1.12	0.08	2.02								
YAZ6CTC38			3/8	0.58	1.12	0.06	2.21								
YAZ6CTC12			1/2	0.75	1.12	0.12	2.46								
YAZ5CTC12	#5 AWG	—	1/2	0.83	1.12	0.12	2.48		W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) X5CRT (2) W5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16	
YAZ4CTC14	#4 AWG	21.2	1/4	0.50	1.12	0.09	2.04	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16	
YAZ4CTC38			3/8	0.58	1.12	0.08	2.22								
YAZ4CTC12			1/2	0.73	1.12	0.06	2.50								
YAZ3CTC14	#3 AWG #2 Sol	26.7 25	1/4	0.55	1.25	0.09	2.19	Y122CMR** (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16	
YAZ3CTC38			3/8	0.58	1.25	0.08	2.38								
YAZ3CTC12			1/2	0.71	1.25	0.07	2.63								
YAZ2CTC14	#2 AWG	33.6 35	1/4	0.60	1.25	0.11	2.21		W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16	
YAZ2CTC516			5/16	0.60	1.25	0.11	2.27								
YAZ2CTC38			3/8	0.60	1.25	0.11	2.40								
YAZ2CTC12			1/2	0.73	1.25	0.09	2.65								
YAZ1CTC14	#1 AWG	42.4 50	1/4	0.68	1.38	0.10	2.37		W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11 or 375	1-7/16	
YAZ1CTC38			3/8	0.68	1.38	0.10	2.56								
YAZ1CTC12			1/2	0.73	1.38	0.09	2.81								

* Use PUADP1 adapter with U dies in 46 Series

** Y122CMR tool #10-#2 AWG Wire only

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† The MM² conductor size listed is for Class 2 and Class 5 conductor

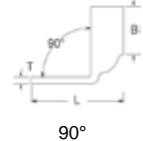
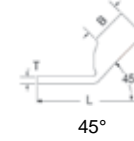
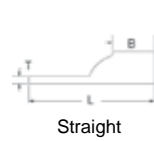
▲ See tooling section of this catalog for complete tool and die listings

• Available undrilled. Add suffix U to catalog number (example: YA25U)

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

TYPES YAZ (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAZ25TC14	1/0 AWG	53.5	1/4	0.75	1.38	0.12	2.40	MY29 Series (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W25RT (4) W25VT (4) X25RT (4)	W25VT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12 or 348	1-7/16
YAZ25TC516			5/16	0.75	1.38	0.12	2.46							
YAZ25TC38			3/8	0.75	1.38	0.12	2.59							
YAZ25TC12			1/2	0.75	1.38	0.12	2.84							
YAZ26TC14	2/0 AWG	67.4 70	1/4	0.83	1.50	0.12	2.56		W26RT (4) W26VT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YAZ26TC38			3/8	0.83	1.50	0.12	2.75							
YAZ26TC12			1/2	0.83	1.50	0.12	3.00							
YAZ27TC38	3/0 AWG	85	3/8	0.90	1.50	0.12	2.79		W27RT (4) W27VT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16
YAZ27TC12			1/2	0.90	1.50	0.12	3.04							
YAZ28TC38	4/0 AWG	107	3/8	1.02	1.62	0.14	2.95		W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZ28TC12			1/2	1.02	1.62	0.14	3.20							
YAZ29TC38	250 kcmil	127	3/8	1.10	1.62	0.16	2.98		W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (6)	U29RT (2)	Yellow	16	1-11/16
YAZ29TC12			1/2	1.10	1.62	0.16	3.23							
YAZ30TC38	300 kcmil	152 150	3/8	1.20	2.00	0.16	3.41	W30VT (4)	W30VT (4) W30RT (4)	U30RT U28ART(4)	White	17 or 298	2-1/16	
YAZ30TC12			1/2	1.20	2.00	0.16	3.66							
YAZ31TC38	350 kcmil	177 185	3/8	1.29	2.00	0.18	3.44	W31VT (4)	W31VT (4) W31RT (4)	U31RT U29ART (4)	Red	18 or 324	2-1/16	
YAZ31TC12			1/2	1.29	2.00	0.18	3.69							
YAZ32TC38	400 kcmil	203	3/8	1.40	2.12	0.19	3.61	W32VT (4)	W32VT (4) W32RT (4)	U32RT U30ART (4)	Blue	19 or 470	2-3/16	
YAZ32TC12			1/2	1.40	2.12	0.19	3.86							
YAZ33TC12	450 kcmil	—	1/2	1.48	2.12	0.21	3.95	W33VT (4)	W33VT (4) W33RT (4)	W33RT (4)	Gray	326 or 538	2-5/16	
YAZ34TC38	500 kcmil	253 240	3/8	1.55	2.25	0.23	3.84	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART(2)	Brown	20 or 299	2-5/16	
YAZ34TC12			1/2	1.55	2.25	0.23	4.10							
YAZ35TC12	550 kcmil	—	1/2	1.65	2.62	0.25	4.50	—	—	U35RT (4)	Yellow	21	2-11/16	

* Use PUADP1 adapter with U dies in 46 Series

** Y122CMR tool #10-#2 AWG Wire only

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† The MM² conductor size listed is for Class 2 and Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings

• Available undrilled. Add suffix U to catalog number (example: YA25U)

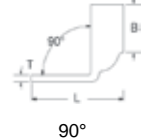
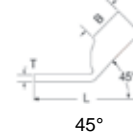
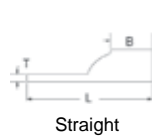
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

Compression Connections

Copper Compression — Code — One Hole
Long Barrel — with Inspection Window

TYPE YAZ (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length				
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index			
YAZ36TC38	600 kcmil	304	3/8	1.74	2.69	0.26	4.54	644 Series (1) 444 Series (1) 81K Series (4)	—	—	U36RT (4)	Green	22 or 472	2-3/4			
YAZ36TC12		300	1/2	1.74	2.69	0.26	4.60				U32ART (4)						
YAZ37TC12	650 kcmil	—	1/2	1.80	2.81	0.27	4.75				U37RT (4)	Orange	23	2-7/8			
YAZ38TC12	700 kcmil	355	1/2	1.84	2.81	0.27	4.77				U38RT (4)	Pink	400	2-7/8			
YAZ39TC38	750 kcmil	380	3/8	1.91	2.88	0.27	4.81				—	—	—	U39RT (4)	Black	24	2-15/16
YAZ39NT12			1/2	1.63	2.88	0.27	4.87							P39RT** (4)			
YAZ39TC12			1/2	1.91	2.88	0.27	4.87										
YAZ40TC12	800 kcmil	405 400	1/2	1.98	2.94	0.30	4.94				—	Orange	25	3			
YAZ41TC12	850 kcmil	—	1/2	2.01	2.94	0.31	4.96				—	Gold	26	3			
YAZ44TC38	1000 kcmil	507 500	3/8	2.19	3.00	0.33	5.08				—	—	—	P44RT** (4)	White	27	3-1/16
YAZ44TC12			1/2	2.19	3.00	0.33	5.14										
YAZ45TC12	1250 kcmil	633	1/2	2.46	3.19	0.38	5.43				—	—	—	P45RT** (6)	Yellow	29	3-1/4
YAZ453TC12	1300 kcmil	—	1/2	2.53	3.19	0.39	5.46	—	—	—	—	Orange	30	3-1/4			
YAZ46TC12	1500 kcmil	760	1/2	2.69	3.19	0.40	5.53	—	—	—	P46RT** (6)	Green	31	3-1/4			
YAZ47TC12	1750 kcmil	887	1/2	2.90	3.44	0.42	5.87	—	—	—	—	Gray	33	3-1/2			
YAZ48TC12	2000 kcmil	1010	1/2	3.10	3.44	0.46	5.95	—	—	—	—	Brown	34	3-1/2			

* Use PUADP1 adapter with U dies in 46 Series

** Y122CMR tool #10-#2 AWG Wire only

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† The MM² conductor size listed is for Class 2 and Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings

• Available undrilled. Add suffix U to catalog number (example: YA25U)

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

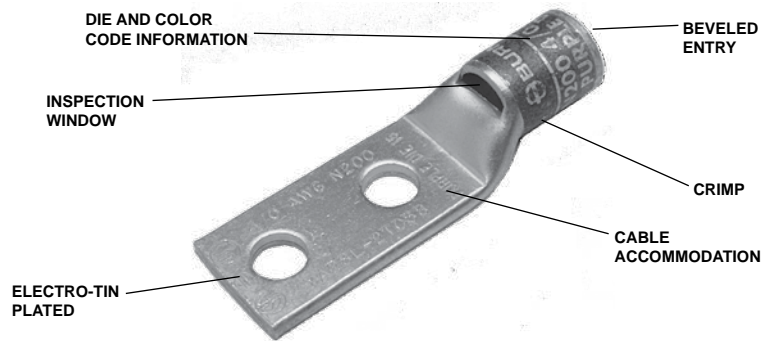
Note: All dimensions shown are for reference only

TYPES YAV-2TC, YA-2LN, YA-L-2TC-

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175



Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Short/Standard length barrel is recommended for installations with limited space requirements
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

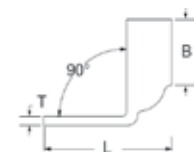
Straight



45°



90°



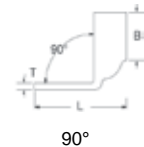
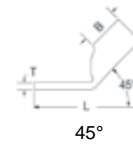
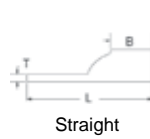
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Compression Connections

Copper Compression — Code — Two Hole Standard Barrel — with Inspection Window

TYPES YAV-2TC, YA-2LN, YA-L-2TC- (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAV102TC10	#14-10 Str. Sol.	5.26 6	#10	5/8"	0.36	0.38	0.06	1.72	MR20 (1) Y8MRB1 (1) Y122CMR (1)	—	—	—	—	—	7/16
YAV102TC10E2			#10	3/4"	0.36	0.38	0.06	1.84							
YAV102TC14			1/4	5/8"	0.41	0.38	0.05	1.84							
YAV102TC14E1			1/4	1"	0.41	0.38	0.05	2.22							
YAV102TC14E2			1/4	3/4"	0.41	0.38	0.05	1.97							
YAV102TC38			3/8	1"	0.56	0.38	0.04	2.40							
YA8CL2TC10	#8 AWG #8 Flex G,H,I,K,M DLO	8.37 † 10	#10	5/8"	0.41	0.44	0.08	1.83	Y122CMR (1) Y1MRTC (1) Y8MRB1 (1) MY29 Series (1) MRC840 (1) 81K Series (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16
YA8CL2TC10E2			#10	3/4"	0.41	0.44	0.08	1.95							
YA8CL2TC14			1/4	5/8"	0.44	0.44	0.08	1.95							
YA8CL2TC14E2			1/4	3/4"	0.44	0.44	0.08	2.08							
YA8CL2TC14E1			1/4	1"	0.44	0.44	0.08	2.33							
YA8CL2TC38			3/8	1"	0.58	0.44	0.06	2.52							
YA8C2LN			1/2	1-3/4"	0.83	0.44	0.12	3.75							
YA6C2L51	6 AWG Sol/Str	13.3	#10	1/2"	0.42	0.54	0.09	1.79	Y122CMR (1) Y1MRTC (1) Y8MRB1 (1) MY29 Series (1) MRC840 (1) 81K Series (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	U5CRT (1) U8CABT (1)	Blue	7 or 374	5/8
YA6CL2TC10			#10	5/8"	0.42	0.54	0.09	1.94							
YA6C2L52			1/4	1/2"	0.45	0.54	0.08	1.88							
YA6CL2TC14E			1/4	1/2"	0.45	0.54	0.08	1.94							
YA6C2L			1/4	5/8"	0.45	0.54	0.08	2.01							
YA6CL2TC14			1/4	5/8"	0.45	0.54	0.08	2.07							
YA6CL2TC14E2			1/4	3/4"	0.45	0.54	0.08	2.19							
YA6CL2TC14E1			1/4	1"	0.45	0.54	0.08	2.44							
YA6CL2TC516E2			5/16	3/4"	0.52	0.54	0.07	2.53							
YA6CL2TC516			5/16	1"	0.52	0.54	0.07	2.78							
YA6CL2TC38			3/8	1"	0.58	0.54	0.06	2.63							
YA6C2LN	1/2	1-3/4"	0.83	0.54	0.12	4.10									
YA5C2L	5 AWG	—	1/4	5/8"	0.44	0.81	0.07	2.28	Y122CMR (1) Y1MRTC (1) MY29 Series (1) MRC840 (1) 81K Series (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	U5CRT (1) U8CABT (1)	Blue	7 or 374	7/8
YA4C2L	4 AWG	21.2	1/4	5/8"	0.50	0.81	0.09	2.30	Y122CMR (2) Y1MRTC (2) MY29 Series (1) MRC840 (1) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1) U6CABT (1)	Gray	8 or 346	7/8
YA4CL2TC14			1/4	5/8"	0.50	0.81	0.09	2.36							
YA4CL2TC14E2			1/4	3/4"	0.50	0.81	0.09	2.49							
YA4CL2TC14E1			1/4	1"	0.50	0.81	0.09	2.74							
YA4CL2TC516			5/16	1"	0.52	0.81	0.09	2.80							
YA4CL2TC38			3/8	1"	0.58	0.81	0.08	2.96							
YA4C2LN			1/2	1-3/4"	0.83	0.81	0.12	4.14							

-- Color code not assigned

* Use PUADP1 adapter with U dies in 46 Series

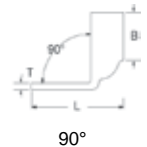
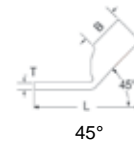
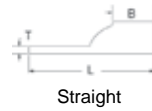
*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings

◆ For applications greater than 2000 volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

TYPES YAV-2TC, YA-2LN, YA-L-2TC- (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA3CL2TC14	3 AWG #2 Sol.	26.7 25	1/4	5/8"	0.55	0.88	0.09	2.45	Y122CMR** (2) Y1MRTC (2) MY29 Series (1) MRC840 (1) 644 Series (1) 444 Series (1) 81K Series (1)	W3CRT (1)	W3CRT (1)	U3CRT (1)	White	9	15/16
YA3C2L			5/16	5/8"	0.55	0.88	0.09	2.64							
YA3CL2TC38			3/8	1"	0.58	0.88	0.08	3.06							
YA2CL2TC14	#2 AWG	33.6 35	1/4	5/8"	0.60	0.88	0.11	2.47		W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	15/16
YA2CL2TC14E2			1/4	3/4"	0.60	0.88	0.11	2.60							
YA2CL2TC14E1			1/4	1"	0.60	0.88	0.11	2.85							
YA2C2L			5/16	3/4"	0.60	0.88	0.11	2.67							
YA2CL2TC516			5/16	1"	0.60	0.88	0.11	2.91							
YA2CL2TC38			3/8	1"	0.60	0.88	0.11	3.03							
YA2C2LN			1/2	1-3/4"	0.83	0.88	0.12	4.27							
YA1CL2TC14			1 AWG	42.4 50	1/4	5/8"	0.68	0.88								0.10	2.51	W1CVT (1) W1CRT-1 (1) X1CRT-1 (1)	W1CVT (1) W1CRT-1 (1) X1CRT-1 (1)	U1CRT-1 (1) U4CABT (1)	Green	11 or 375	15/16
YA1CL2TC14E2	1/4	3/4"			0.68	0.88	0.10	2.64							
YA1C2L	5/16	7/8"			0.68	0.88	0.10	2.82							
YA1CL2TC38	3/8	1"			0.68	0.88	0.10	3.07							
YA1C2LN	1/2	1-3/4"			0.83	0.88	0.12	4.32							
YA25L2TC14	1/0 AWG	53.5	1/4	5/8"	0.75	0.88	0.12	2.54	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1) U2CABT (1)	Pink	12 or 348	15/16	
YA25L2TC14E2			1/4	3/4"	0.75	0.88	0.12	2.66							
YA25L2TC14E1			1/4	1"	0.75	0.88	0.12	2.91							
YA252L			5/16	7/8"	0.75	0.88	0.12	2.85							
YA25L2TC38			3/8	1"	0.75	0.88	0.12	3.10							
YA252LN			1/2	1-3/4"	0.83	0.88	0.11	4.29							
YA26L2TC14	2/0 AWG	67.4 70	1/4	5/8"	0.83	0.94	0.12	2.64	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	1	
YA26L2TC14E2			1/4	3/4"	0.83	0.94	0.12	2.76							
YA26L2TC14E1			1/4	1"	0.83	0.94	0.12	3.01							
YA262L			5/16	7/8"	0.83	0.94	0.12	2.95							
YA26L2TC38			3/8	1"	0.83	0.94	0.12	3.20							
YA262LN			1/2	1-3/4"	0.83	0.94	0.12	4.39							
YA27L2TC14E2	3/0 AWG	85	1/4	3/4"	1.00	1.00	0.12	2.86	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1-1/16	
YA27L2TC38			3/8	1"	1.00	1.00	0.12	3.30							
YA272LN			1/2	1-3/4"	0.91	1.00	0.13	4.48							
YA28L2TC14E2	4/0 AWG	107	1/4	3/4"	1.02	0.88	0.14	2.78	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/8	
YA28L2TC14E1			1/4	1"	1.02	0.88	0.14	3.03							
YA28L2NTC516			5/16	1-3/4"	1.02	0.88	0.14	3.84							
YA28L2TC38E2			3/8	3/4"	1.02	0.88	0.14	2.97							
YA28L2TC38			3/8	1"	1.02	0.88	0.14	3.22							
YA282LN			1/2	1-3/4"	1.02	0.88	0.14	4.41							
YA29L2TC38	250 kcmil	127	3/8	1.00"	1.10	1.06	0.16	3.43	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/8	
YA292LN			1/2	1-3/4"	1.10	1.06	0.16	4.62							

-- Color code not assigned

* Use PUADP1 adapter with U dies in 46 Series

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings

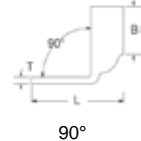
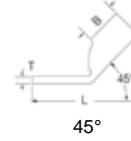
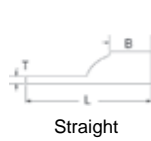
◆ For applications greater than 2000 volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

Compression Connections

Copper Compression — Code — Two Hole Standard Barrel — with Inspection Window

TYPES YAV-2TC, YA-2LN, YA-L-2TC- (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length	
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index		
YA30L2TC38	300 kcmil	152	3/8	1"	1.20	1.03	0.16	3.45	644 Series (1) 444 Series (1) 81K Series (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2) U28ART (2)	White	17 or 298	1	
YA302LN		150	1/2	1-3/4"	1.20	1.03	0.16	4.63								
YA31L2TC14E2	350 kcmil	177	1/4	3/4"	1.29	1.06	0.18	3.07	644 Series (1) 444 Series (1) 81K Series (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2) U29ART (2)	Red	18 or 324	1-1/8	
YA31L2TC38			3/8	1"	1.29	1.06	0.18	3.51								
YA31L2TC12		185	1/2	1-1/4"	1.29	1.06	0.18	4.01								
YA312LN		1/2	1-3/4"	1.29	1.06	0.18	4.70									
YA322L	400 kcmil	203	3/8	1"	1.40	1.19	0.19	3.75	644 Series (1) 444 Series (1) 81K Series (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2) U30ART (2)	Blue	19 or 470	1-1/4	
YA32L2TC38			3/8	1"	1.40	1.19	0.19	3.69								
YA32L2TC38E5		3/8	1-1/16"	1.40	1.19	0.19	3.75									
YA322LN		1/2	1-3/4"	1.40	1.19	0.19	4.88									
YA34L2TC14E2	500 kcmil	253	1/4	3/4"	1.55	1.27	0.23	3.44	644 Series (1) 444 Series (1) 81K Series (1)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2) U31ART (2)	Brown	20 or 299	1-7/16	
YA342L			3/8	1"	1.55	1.27	0.23	3.94								
YA34L2TC38		240	3/8	1"	1.55	1.27	0.23	3.88								
YA34L2TC12		1/2	1-1/4"	1.55	1.27	0.23	4.38									
YA342LN	550 kcmil	—	1/2	1-3/4"	1.55	1.27	0.23	5.06	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U35RT (2)	Yellow	21	1-3/4	
YA352L			3/8	1-1/8"	1.65	1.69	0.25	4.64								
YA352LN	1/2	1-3/4"	1.65	1.69	0.25	5.51	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U36RT (2) U32ART (2)	Green	22 or 472	1-3/4			
YA36L2TC38	600 kcmil	304	3/8	1"	1.74	1.38								0.27	4.23	
YA362LN	300	1/2	1-3/4"	1.74	1.38	0.27	5.23	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U37RT (2)	Orange	23	1-15/16		
YA372L	650 kcmil	—	3/8	1-1/8"	1.80	1.39	0.27								4.40	
YA372LN	1/2	1-3/4"	1.80	1.39	0.27	5.27	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U38RT (2)	Pink	400	1-15/16			
YA38L2TC38	700 kcmil	355	3/8	1"	1.84	1.45								0.27	4.35	
YA382L			3/8	1-1/8"	1.84	1.45								0.27	4.48	
YA38L2TC12			1/2	1-1/2"	1.84	1.45								0.27	4.67	
YA382LN			1/2	1-3/4"	1.84	1.45	0.27	5.35								
YA39L2TC38	750 kcmil	380	3/8	1"	1.91	1.42	0.27	4.36	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U39RT (2) P39RT (2)	Black	24	1-15/16	
YA392L			3/8	1-1/8"	1.91	1.42	0.27	4.48								
YA39L2TC12E3			1/2	1-1/2"	1.91	1.42	0.27	4.92								
YA392LN			1/2	1-3/4"	1.91	1.42	0.27	5.36								
YA39L2TC58	5/8	1-1/2"	1.91	1.42	0.27	5.17	644 Series (1) 444 Series (1) 81K Series (2)	—	—	P40RT (3)	Orange	25	1-15/16			
YA40L2TC38	800 kcmil	405	3/8	1"	1.98	1.42								0.30	4.37	
YA402L	400	3/8	1-1/8"	1.98	1.42	0.30								4.50		
YA402LN	1/2	1-3/4"	1.98	1.42	0.30	5.38	644 Series (1) 444 Series (1) 81K Series (2)	—	—	P41D (1)** P44PR	Gold	26	1-15/16			
YA412L	850 kcmil	—	3/8	1-1/8"	2.01	1.88								0.31	4.97	
YA442L	1000 kcmil	507	1/2	1-1/4"	2.19	1.65	0.33	5.24	644 Series (1) 444 Series (1) 81K Series (2)	—	—	P44RT (3)	White	27	1-15/16	
YA44L2TC12			500	1/2	1-1/4"	2.19	1.65	0.33								5.05
YA442LN			1/2	1-3/4"	2.19	1.65	0.33	5.74								

-- Color code not assigned

* Use PUADP1 adapter with U dies in 46 Series

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings

◆ For applications greater than 2000 volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

TYPE YA-L-2NT

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

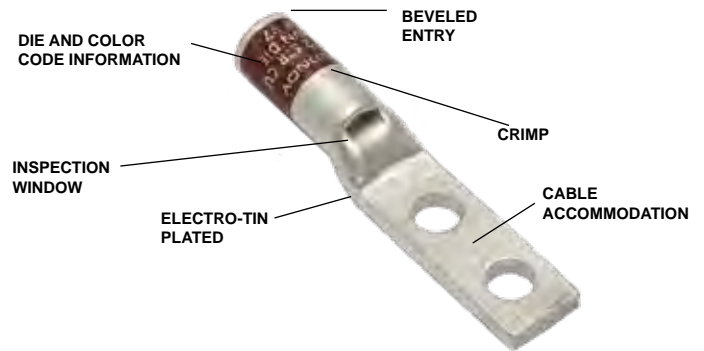
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed for limited space applications
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Short/Standard length barrel is recommended for installations with limited space requirements
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

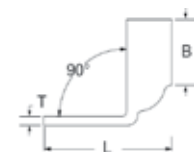
Straight



45°



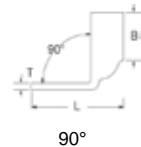
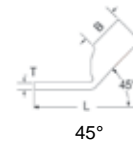
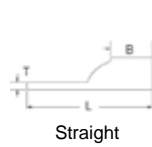
90°



Compression Connections

Copper Compression — Code — Two Hole
Narrow Tongue, Standard Barrel — with Inspection Window

TYPE YA-L-2NT (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length							
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index						
YA2CL2NT14	#2 AWG	33.6 35	1/4	5/8"	0.48	0.88	0.11	2.47	Y122CMR** (1) MRC840 (1) MY29 Series (1) 644 Series (1) 444 Series (1) Y1MRTC (2) 81K Series (1)	W2CVT (1)	W2CVT (1)	U2CRT (1)	Brown	10	15/16						
YA2CL2NT14E2			1/4	1/4"	0.48	0.88	0.11	2.60													
YA2CL2NT14E1			1/4	1"	0.48	0.88	0.11	2.84													
YA1CL2NT14	#1 AWG	42.4 50	1/4	5/8"	0.50	0.88	0.11	2.55	W1CVT (1)	W1CRT1 (1)	U1CRT1 (1)	Green	11	15/16							
YA1CL2NT14E2			1/4	3/4"	0.50	0.88	0.10	2.68													
YA25L2NT14	1/0 AWG	53.5	1/4	5/8"	0.48	0.88	0.12	2.56	MRC840 (2) MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (2)	W25VT (2)	U25RT (1)	Pink	12	15/16						
YA25L2NT14E1	1/4	1"	0.48	0.88	0.12	3.28															
YA26L2NT14	2/0 AWG	67.4 70	1/4	5/8"	0.48	0.94	0.12	2.66													
YA26L2NT14E1			1/4	1"	0.48	0.94	0.12	3.03													
YA27L2NT14	3/0 AWG	85	1/4	5/8"	0.76	1.00	0.13	2.73													
YA27L2NT38			3/8	1"	0.60	1.00	0.13	3.30													
YA27L2NT516			5/16	1"	0.60	1.00	0.13	3.26													
YA28L2NT14	4/0 AWG	107	1/4	5/8"	0.76	0.88	0.13	2.65								W28RT (2)	W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YA29L2NT38	3/8	1"	0.80	1.00	0.16	3.43															
YA29L2NT38E16	250 kcmil	127	3/8	1-3/4"	0.80	1.06	0.16	4.18								MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W29VT (2) X29RT (2)	W29VT (2) W29RT (2) X29RT (2)	U29RT (1)	Yellow	16	1-1/8
YA31L2NT38	350 kcmil	177 185	3/8	1"	0.96	1.06	0.18	3.51	644 Series (1) 444 Series (1) 81K Series (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (1) U29ART (2)	Red	18	1-1/8						
YA31L2NT38E16	3/8	1-3/4"	0.88	1.06	0.18	4.26															
YA34L2NT38	3/8	1"	0.96	1.27	0.23	3.65															
YA34L2NT38E16	500 kcmil	253 240	3/8	1-3/4"	0.96	1.27	0.23	4.63													
YA34L2NT12E1	1/2	1"	0.96	1.27	0.23	4.13															
YA36L2NNT	600 kcmil	304 300	1/2	1-3/4"	1.12	1.38	0.27	5.43	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U36RT (2)	Green	472	1-3/4						
YA39L2NT38	750 kcmil	380	3/8	1"	1.63	1.42	0.27	4.34	—	—	U39RT (2)	Black	24	1-1/2							
YA39L2NT38E16			3/8	1-3/4"	1.30	1.42	0.27	5.11													
YA39L2NT12E1			1/2	1"	1.30	1.42	0.27	4.42													
YA44L2NTC12E24	1000 kcmil	507 500	1/2	1.85	1.63	1.65	0.33	5.65	644 Series (1) 444 Series (1) 81K Series (2)	—	—	P44RT (3)	White	27	1-15/16						

* Use PUADP1 adapter with U dies in 46 Series

** Y122CMR tool #10-#2 AWG Wire only

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor.

Note: All dimensions shown are for reference only.

TYPES YA-2N, YA-2TC

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

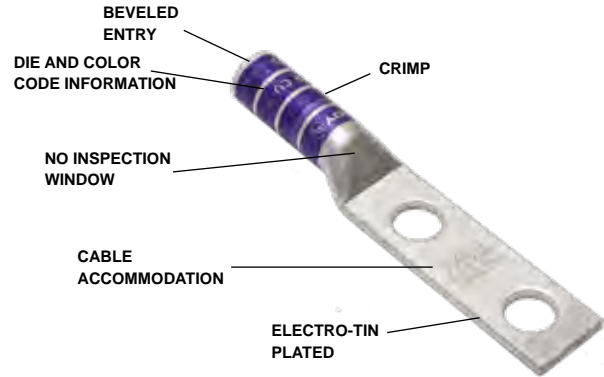
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

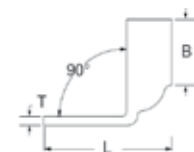
Straight



45°



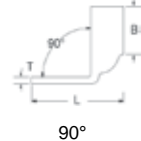
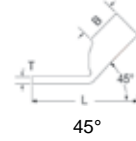
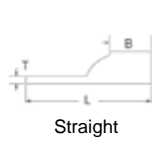
90°



Compression Connections

Copper Compression — Code — Two Hole
Long Barrel — No Inspection Window

TYPES YA-2N, YA-2TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA8C2TC14	#8 AWG #8 Flex G,H,I,K,M DLO	8.37 † 10	1/4	5/8"	0.44	0.81	0.08	2.33	Y8MRB1 (2) Y1MRTC MY29 Series (2) MRC840 (2) 81K Series (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	7/8
YA8C2TC14E2			1/4	3/4"	0.44	0.81	0.08	2.45							
YA8C2TC38			3/8	1"	0.58	0.81	0.06	2.89							
YA8C2N			1/2	1-3/4"	0.83	0.81	0.12	4.08							
YA6C2TC14	#6 AWG Sol□/Str	13.3	1/4	5/8"	0.45	1.12	0.08	2.65	Y1MRTC (2) MY29 Series (2) MRC840 (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16
YA6C2TC14E2			1/4	3/4"	0.45	1.12	0.08	2.78							
YA6C2TC14E1			1/4	1"	0.45	1.12	0.08	3.03							
YA6C2TC38E2			3/8	3/4"	0.58	1.12	0.06	2.97							
YA6C2TC38E6			3/8	7/8"	0.58	1.12	0.06	3.09							
YA6C2TC38			3/8	1"	0.58	1.12	0.06	3.22							
YA6C2N	1/2	1-3/4"	0.83	1.12	0.12	4.40									
YA5C2N	#5 AWG	—	1/2	1-3/4"	0.83	1.12	0.12	4.43	MY29 Series (2) MRC840 (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16
YA4C2TC14	#4 AWG	21.2	1/4	5/8"	0.50	1.12	0.09	2.70	Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16
YA4C2TC14E2			1/4	3/4"	0.50	1.12	0.09	2.83							
YA4C2TC38			3/8	1"	0.58	1.12	0.08	3.26							
YA4C2N			1/2	1-3/4"	0.83	1.12	0.12	4.45							
YA3C2TC14	#3 Str. #3 AWG #2 Sol.	26.7 25	1/4	5/8"	0.55	1.25	0.09	2.87	Y122CMR** (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W3CVT (2) W3CRT (2)	W3CVT (2) W3CRT (2)	U3CRT (2)	White	9	1-5/16
YA3C2TC14E2			1/4	3/4"	0.55	1.25	0.09	2.99							
YA3C2TC38E2			3/8	3/4"	0.58	1.25	0.08	3.18							
YA3C2TC38			3/8	1"	0.58	1.25	0.08	3.43							
YA3C2N			1/2	1-3/4"	0.83	1.25	0.12	4.62							
YA2C2TC14	#2 AWG	33.6 35	1/4	5/8"	0.60	1.25	0.11	2.86	Y122CMR** (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16
YA2C2TC14E2			1/4	3/4"	0.60	1.25	0.11	2.98							
YA2C2TC516E2			5/16	3/4"	0.60	1.25	0.11	3.05							
YA2C2TC38E2			3/8	3/4"	0.60	1.25	0.11	3.17							
YA2C2TC38E6			3/8	7/8"	0.60	1.25	0.11	3.30							
YA2C2TC38			3/8	1"	0.60	1.25	0.11	3.42							
YA2C2NTC38			3/8	1-3/4"	0.60	1.25	0.11	4.17							
YA2C2N			1/2	1-3/4"	0.83	1.25	0.12	4.64							
YA1C2TC14	#1 AWG	42.4 50	1/4	5/8"	0.67	1.38	0.10	3.03	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11 or 375	1-7/16	
YA1C2TC14E2			1/4	3/4"	0.67	1.38	0.10	3.15							
YA1C2TC38			3/8	1"	0.67	1.38	0.10	3.59							
YA1C2N			1/2	1-3/4"	0.83	1.38	0.12	4.82							

▲ See tooling section of this catalog for complete tool and die listings

* Use PUADP1 adaptor with U dies in 46 Series

** Y122CMR tool #10-#2 AWG Wire only

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

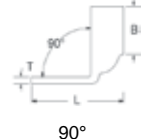
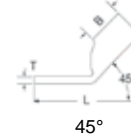
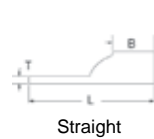
† The MM² conductor size listed here is for Class 2 and Class 5 conductor

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Available undrilled. Add suffix U to catalog number (example: YA25U)

Note: All dimensions shown are for reference only

TYPES YA-2N, YA-2TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA252TC14	1/0 AWG	53.5	1/4	5/8"	0.75	1.38	0.12	3.05	MY29 Series (2) MIRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12	1-7/16
YA252TC14E2			1/4	3/4"	0.75	1.38	0.12	3.18							
YA252TC516			5/16	1"	0.75	1.38	0.12	3.49							
YA252TC38			3/8	1"	0.75	1.38	0.12	3.62							
YA252NTC38			3/8	1-3/4"	0.75	1.38	0.12	4.37							
YA252N	1/2	1-3/4"	0.83	1.38	0.11	4.81									
YA262TC14	2/0 AWG	67.4 70	1/4	5/8"	0.83	1.50	0.12	3.22		W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YA262TC14E2			1/4	3/4"	0.83	1.50	0.12	3.34							
YA262TC38			3/8	1"	0.83	1.50	0.12	3.78							
YA262N			1/2	1-3/4"	0.83	1.50	0.12	4.97							
YA272TC14E2	3/0 AWG	85	1/4	3/4"	0.90	1.50	0.12	3.38		W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16
YA272TC38			3/8	1"	0.90	1.50	0.12	3.82							
YA272N			1/2	1-3/4"	0.91	1.50	0.13	5.01							
YA282TC14E2	4/0 AWG	107	1/4	3/4"	1.02	1.62	0.14	3.55		W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YA282TC38			3/8	1"	1.02	1.62	0.14	3.99							
YA282NTC38			3/8	1-3/4"	1.02	1.62	0.14	4.74							
YA282N			1/2	1-3/4"	1.02	1.62	0.14	5.17							
YA292TC38	250 kcmil	127	3/8	1"	1.10	1.62	0.16	4.02	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (8)	W29VT (4) W29RT (4)	U29RT (2)	Yellow	16	1-11/16
YA292N			1/2	1-3/4"	1.11	1.62	0.16	5.21							
YA292TC58E16			5/8	1-3/4"	1.11	1.62	0.16	5.27							
YA302TC38	300 kcmil	152 150	3/8	1"	1.20	2.00	0.16	4.45	644 Series (1) 444 Series (1) 81K Series (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17 or 298	2-1/16
YA302N			1/2	1-3/4"	1.20	2.00	0.16	5.64							
YA312TC14E2	350 kcmil	177 185	1/4	3/4"	1.29	2.00	0.18	4.05	644 Series (1) 444 Series (1) 81K Series (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18 or 324	2-1/16
YA312TC38			3/8	1"	1.29	2.00	0.18	4.49							
YA312N			1/2	1-3/4"	1.29	2.00	0.18	5.69							
YA322TC38	400 kcmil	203	3/8	1"	1.40	2.12	0.19	4.66	644 Series (1) 444 Series (1) 81K Series (3)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16
YA322N			1/2	1-3/4"	1.40	2.12	0.19	5.85							
YA332N	450 kcmil	—	1/2	1-3/4"	1.48	2.13	0.21	5.93	644 Series (1) 444 Series (1) 81K Series (4)	W33VT (4)	W33VT (4) W33RT (4)	U33RT (4)	Gray	326 or 538	2-3/16
YA342TC14E2	500 kcmil	253 240	1/4	3/4"	1.55	2.25	0.23	4.46							
YA342TC38			3/8	1"	1.55	2.25	0.23	4.90							
YA342N			1/2	1-3/4"	1.55	2.25	0.23	6.06							
YA352N	550 kcmil	—	1/2	1-3/4"	1.65	2.63	0.25	6.49		—	—	U35RT (4) U36RT (4) U32ART (4)	Yellow Green	21 22 or 472	2-11/16 2-3/4
YA362TC38	600 kcmil	304 300	3/8	1"	1.74	2.69	0.26	5.59							
YA362N			1/2	1-3/4"	1.74	2.69	0.27	6.59							

▲ See tooling section of this catalog for complete tool and die listings

* Use PUADP1 adaptor with U dies in 46 Series

** Y122CMR tool #10-#2 AWG Wire only

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† The MM² conductor size listed here is for Class 2 and Class 5 conductor

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

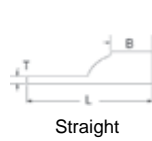
Available undrilled. Add suffix U to catalog number (example: YA25U)

Note: All dimensions shown are for reference only

Compression Connections

Copper Compression — Code — Two Hole
Long Barrel — No Inspection Window

TYPES YA-2N, YA-2TC (Continued)



Straight



45°



90°

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA372N	650 kcmil	—	1/2	1-3/4"	1.80	2.81	0.27	6.74	644 Series (1) 444 Series (1) 81K Series (4)	—	—	U37RT (4)	Orange	23	2-7/8
YA382TC38	700 kcmil	355	3/8	1"	1.84	2.81	0.27	5.76				U38RT (4)	Pink	400	2-7/8
YA382N			1/2	1-3/4"	1.84	2.81	0.27	6.77				U39RT (4) P39RT (4)	Black	24	2-15/16
YA392TC38	750 kcmil	380	3/8	1"	1.63	2.88	0.27	5.87							
YA392N			1/2	1-3/4"	1.91	2.88	0.27	6.87							
YA402N	800 kcmil	405 400	1/2	1-3/4"	1.98	2.94	0.30	6.95				P40RT (4)	Orange	25	3
YA412N	850 kcmil	—	1/2	1-3/4"	2.01	2.94	0.31	6.96				P41D (2)** P44PR	Gold	26	3
YA442TC38	1000 kcmil	507 500	3/8	1"	2.19	3.00	0.33	6.14				P44RT (4)	White	27	3-1/16
YA442N	1000 kcmil		1/2	1-3/4"	2.19	3.00	0.32	7.14				P44RT (4)	White	27	3-1/16
YA452N	1250 kcmil	633	1/2	1-3/4"	2.46	3.19	0.38	7.44				P45RT (6)	Yellow	29	3-1/4
YA4532N	1300 kcmil	—	1/2	1-3/4"	2.53	3.19	0.39	7.48	—	Orange	30	3-1/4			
YA462N	1500 kcmil	760	1/2	1-3/4"	2.69	3.19	0.40	7.55	P46RT (6)	Green	31	3-1/4			
YA472N	1750 kcmil	887	1/2	1-3/4"	2.90	3.44	0.42	7.89	—	Gray	33	3-1/2			
YA482N	2000 kcmil	1010	1/2	1-3/4"	3.10	3.44	0.46	7.98	—	Brown	34	3-1/2			

▲ See tooling section of this catalog for complete tool and die listings

* Use PUADP1 adaptor with U dies in 46 Series

** Y122CMR tool #10-#2 AWG Wire only

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† The MM² conductor size listed here is for Class 2 and Class 5 conductor

□ 644 Series tooling not for use on 6 AWG Sol.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Available undrilled. Add suffix U to catalog number (example: YA25U)

Note: All dimensions shown are for reference only

TYPE YA-2NT

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

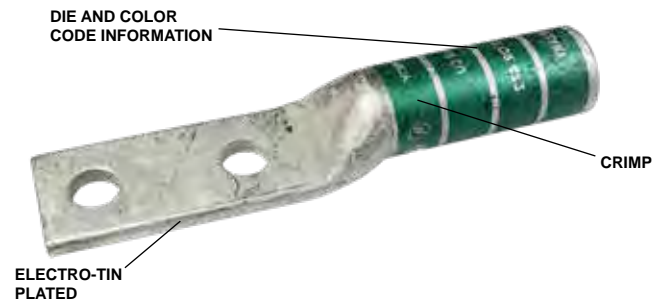
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Narrow tongue/tang is designed for limited space applications
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

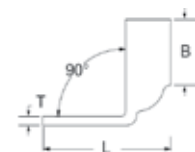
Straight



45°



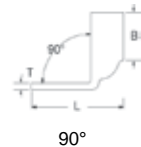
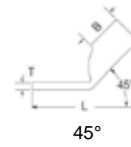
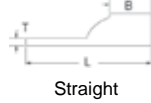
90°



Compression Connections

Copper Compression — Code — Two Hole
Narrow Tongue, Long Barrel — No Inspection Window

TYPE YA-2NT (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length
	AWG	*** MM ²				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA8C2NT8	#8 AWG #8 Flex G,H,I,K,M DLO	8.37 10	#8	5/8"	0.33"	0.81"	0.09"	2.14"	Y122CMR (2) Y1MRTC (2) MY29 Series (2) MRC840 (2) 81K Series (1)	W8CRT (2) W8CVT (2) X8CRT (2)	W8CRT (2) W8CVT (2) X8CRT (2)	U8CRT (1)	Red	49	7/8"
YA6C2NT8	#6 AWG Sol/Str	13.3	#8	5/8"	0.33"	0.81"	0.09"	2.14"	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W5CRT (2) W5CVT (2) X5CRT (2) X8CART (2)	W5CRT (2) W5CVT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT(2)	Blue	7 or 374	1-3/16"
YA4C2NT10	#4 AWG	21.2	#10	5/8"	0.33"	1.12"	0.09"	2.47"	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Black	8 or 346	1-3/16"
YA4C2NT14			1/4"	5/8"	0.49"	1.12"	0.09"	2.70"							
YA2C2NT14	#2 AWG	33.6 35	1/4"	5/8"	0.48"	1.25"	0.11"	2.86"	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (1)	Brown	10	1-5/16"
YA2C2NT14E2			1/4"	3/4"	0.75"	1.25"	0.11"	2.99"							
YA2C2NT14E1			1/4"	1"	0.60"	1.00"	0.13"	3.26"							
YA1C2NT10	#1 AWG	42.4 50	#10	5/8"	0.50"	1.38"	0.10"	2.90"	Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W1CVT (2) W1CRT (2) X1CRT (2)	W1CVT (2) W1CRT (2) X1CRT (2)	U1CRT1 (2) U4CABT (2)	Green	11 or 375	1-7/16"
YA1C2NT14			1/4"	5/8"	0.50"	1.38"	0.10"	3.03"							
YA1C2NT14E2			1/4"	3/4"	0.75"	1.38"	0.10"	3.15"							
YA1C2TC38			3/8"	1"	0.60"	1.38"	0.10"	3.59"							
YA1C2N			1/2"	1-3/4"	0.83"	1.38"	0.12"	4.82"							

* Use PUADP1 adapter with U dies in 46 Series

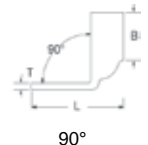
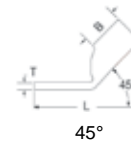
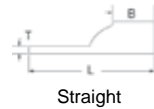
*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPE YA-2NT (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length
	AWG	*** MM ²				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA252NT14	1/0 AWG	53.5	1/4"	5/8"	0.48"	1.38"	0.09"	3.05"	MY29 Series (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25CRT (2) U2CABT (2)	Pink	12	1-7/16"
YA252NT14E1			1/4"	1"	0.48"	1.38"	0.09"	3.05"							
YA252NT38			3/8"	1"	0.48"	1.38"	0.09"	3.05"							
YA262NT14	2/0 AWG	67.4 70	1/4"	5/8"	0.48"	1.50"	0.12"	3.22"	MY29 Series (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16"
YA262NT14E1			1/4"	1"	0.48"	1.50"	0.12"	3.59"							
YA262NT516			5/16"	1"	0.52"	1.50"	0.13"	3.66"							
YA262NT38			3/8"	1"	0.62"	1.50"	0.13"	3.78"							
YA272NT14	3/0 AWG	85	1/4"	5/8"	0.60"	1.50"	0.13"	3.26"	MY29 Series (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16"
YA272NT516			5/16"	1"	0.60"	1.50"	0.13"	3.70"							
YA272NT38			3/8"	1"	0.76"	1.50"	0.13"	3.82"							
YA282NT14	4/0 AWG	107	1/4"	5/8"	0.76"	1.62"	0.14"	3.42"	MY29 Series (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16"
YA282NT516			5/16"	1"	0.76"	1.62"	0.14"	3.86"							
YA282NT38			3/8"	1"	0.76"	1.62"	0.10"	3.99"							
YA292NT14	250 kcmil	127	1/4"	5/8"	0.76"	1.62"	0.16"	3.49"	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	1-11/16"
YA292NT516			5/16"	1"	0.76"	1.62"	0.16"	3.90"							
YA292NT38			3/8"	1"	0.76"	1.62"	0.16"	4.02"							
YA292NT38E16			3/8"	1-3/4"	0.76"	1.62"	0.16"	4.77"							
YA292NNT			1/2"	1-3/4"	0.96"	1.62"	0.16"	5.21"							
YA302NT38	300 kcmil	152 150	3/8"	1"	0.52"	2.00"	0.13"	3.66"	644 Series (1) 444 Series (1) 81K Series (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17 or 298	2-1/16"

* Use PUADP1 adapter with U dies in 46 Series

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.

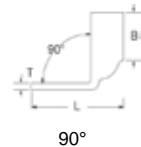
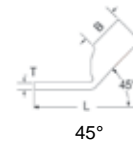
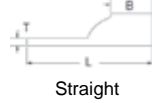
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Code — Two Hole
Narrow Tongue, Long Barrel — No Inspection Window

TYPE YA-2NT (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling					Wire Strip Length	
	AWG	*** MM ²				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA312NT38	350 kcmil	177 185	3/8"	1"	0.96"	2.00"	0.18"	4.48"	644 Series (1) 444 Series (1) 81K Series (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18 or 324	2-1/16"
YA312NT38E16			3/8"	1-3/4"	0.96"	2.00"	0.18"	5.24"							
YA322NT38	400 kcmil	203	3/8"	1"	0.96"	2.12"	0.19"	4.66"	644 Series (1) 444 Series (1) 81K Series (3)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16"
YA322NNT			1/2"	1-3/4"	0.96"	2.00"	0.18"	5.24"							
YA342NT38	500 kcmil	253 240	3/8"	1"	0.96"	2.25"	0.23"	4.90"	644 Series (1) 444 Series (1) 81K Series (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART (2)	Brown	20 or 299	2-5/16"
YA342NT38E16			3/8"	1-3/4"	0.96"	2.25"	0.23"	4.90"							
YA342NNT			1/2"	1-3/4"	0.76"	2.25"	0.23"	6.08"							
YA342NT58			5/8"	1-3/4"	1.29"	2.25"	0.23"	6.15"							
YA362NT38	600 kcmil	304 300	3/8"	1-3/4"	1.12"	2.69"	0.26"	6.59"	644 Series (1) 444 Series (1) 81K Series (4)	-	-	U36RT (4) U32ART (4)	Green	22 or 472	2-3/4"
YA362NNT			1/2"	1-3/4"	1.47"	2.69"	0.27"	6.59"							
YA362NT12			1/2"	1-3/4"	1.12"	2.69"	0.26"	6.59"							
YA392NT38	750 kcmil	380	3/8"	1"	1.12"	2.88"	0.16"	5.87"	644 Series (1) 444 Series (1) 81K Series (4)	-	-	U39RT (4) P39RT (4)	Black	24	2-15/16"
YA392NT38E16			3/8"	1-3/4"	1.12"	2.88"	0.16"	6.43"							
YA392NNT			1/2"	1-3/4"	1.63"	2.88"	0.26"	6.87"							
YA392ENNT			1/2"	1-3/4"	1.30"	2.88"	0.26"	6.87"							
YA392NT58			5/8"	1-3/4"	1.30"	2.88"	0.26"	6.93"							

* Use PUADP1 adapter with U dies in 46 Series

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPES YAZ-2N, YAZ-2TC

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

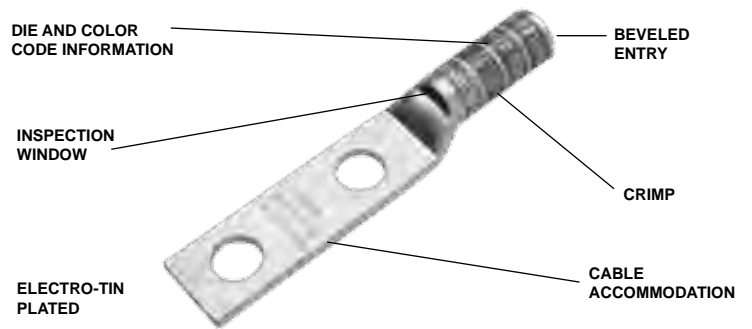
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

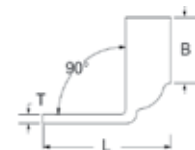
Straight



45°



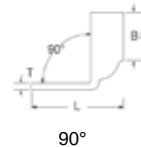
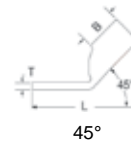
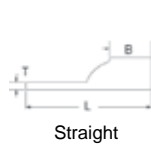
90°



Compression Connections

Copper Compression — Code — Two Hole
Long Barrel — with Inspection Window

TYPES YAZ-2N, YAZ-2TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length					
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index						
YAZV102TC14	14-10 AWG	5.26 6	1/4	5/8"	0.41	0.69	0.05	2.16	MR20 (2) Y8MRB1 (2) Y122CMR (2)	—	—	—	—	—	3/4					
YAZV102TC14E2			1/4	3/4"	0.41	0.69	0.05	2.28	—	—	—	—	—	—	—					
YAZ8C2TC10	#8 AWG #8 Flex G,H,I,K,M DLO	8.37 † 10	#10	5/8"	0.41	0.75	0.08	2.07	Y122CMR (2) Y1MRTC (2) Y8MRB1 (2) MY29 Series (2) MRC840 (2) 81K Series (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	7/8					
YAZ8C2TC10E2			#10	3/4"	0.41	0.75	0.08	2.19	—							—	—	—	—	—
YAZ8C2TC14			1/4	5/8"	0.44	0.75	0.08	2.19	—							—	—	—	—	—
YAZ8C2TC14E2			1/4	3/4"	0.44	0.75	0.08	2.32	—							—	—	—	—	—
YAZ8C2TC14E1			1/4	1"	0.44	0.75	0.08	2.57	—							—	—	—	—	—
YAZ8C2TC38			3/8	1"	0.58	0.75	0.06	2.76	—							—	—	—	—	—
YAZ6C2TC10E2			#6 AWG Sol/Str	13.3	#10	3/4"	0.42	1.12	0.09							2.65	Y122CMR (2) MY29 Series (2) MRC840 (2) Y1MRTC (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16
YAZ6C2TC14	1/4	5/8"			0.45	1.12	0.08	2.65	—	—	—	—	—							
YAZ6C2TC14E2	1/4	3/4"			0.45	1.12	0.08	2.78	—	—	—	—	—							
YAZ6C2TC14E1	1/4	1"			0.45	1.12	0.08	3.03	—	—	—	—	—							
YAZ6C2TC38E2	3/8	3/4"			0.58	1.12	0.06	2.97	—	—	—	—	—							
YAZ6C2TC38E6	3/8	7/8"			0.58	1.12	0.06	3.09	—	—	—	—	—							
YAZ6C2TC38	3/8	1"			0.58	1.12	0.06	3.22	—	—	—	—	—							
YAZ6C2TC38E16	3/8	1-3/4"			0.58	1.12	0.06	3.97	—	—	—	—	—							
YAZ6C2N	1/2	1-3/4"			0.83	1.12	0.12	4.40	—	—	—	—	—							
YAZ5C2N	#5 AWG	—	1/2	1-3/4"	0.83	1.12	0.12	4.43	W5CRT (2) W5CVT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16						
YAZ4C2TC10E2	#4 AWG	21.2	#10	3/4"	0.50	1.12	0.09	2.67	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W4CVT (2) X4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16					
YAZ4C2TC14			1/4	5/8"	0.50	1.12	0.09	2.67								—	—	—	—	—
YAZ4C2TC14E2			1/4	3/4"	0.50	1.12	0.09	2.80								—	—	—	—	—
YAZ4C2TC38			3/8	1"	0.58	1.12	0.08	3.23								—	—	—	—	—
YAZ4C2N			1/2	1-3/4"	0.83	1.12	0.12	4.45								—	—	—	—	—
YAZ3C2TC14	#3 AWG #2 Sol	26.7 25	1/4	5/8"	0.55	1.25	0.09	2.83	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16					
YAZ3C2TC14E2			1/4	3/4"	0.55	1.25	0.09	2.95								—	—	—	—	—
YAZ3C2TC38E2			3/8	3/4"	0.58	1.25	0.08	3.14								—	—	—	—	—
YAZ3C2TC38			3/8	1"	0.58	1.25	0.08	3.39								—	—	—	—	—
YAZ3C2N	1/2	1-3/4"	0.83	1.25	0.12	4.62	—	—	—	—	—									
YAZ2C2TC10E2	#2 AWG	33.6 35	#10	3/4"	0.60	1.25	0.11	2.85	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16					
YAZ2C2TC14			1/4	5/8"	0.60	1.25	0.11	2.85								—	—	—	—	—
YAZ2C2TC14E2			1/4	3/4"	0.60	1.25	0.11	2.97								—	—	—	—	—
YAZ2C2TC14E1			1/4	1"	0.60	1.25	0.11	3.22								—	—	—	—	—
YAZ2C2TC516E7			5/16	.63	0.60	1.25	0.11	2.91								—	—	—	—	—
YAZ2C2TC516E2			5/16	3/4"	0.60	1.25	0.11	3.03								—	—	—	—	—
YAZ2C2TC38E2			3/8	3/4"	0.60	1.25	0.11	3.16								—	—	—	—	—
YAZ2C2TC38E6			3/8	7/8"	0.60	1.25	0.11	3.28								—	—	—	—	—
YAZ2C2TC38			3/8	1"	0.60	1.25	0.11	3.41								—	—	—	—	—
YAZ2C2NTC38			3/8	1-3/4"	0.60	1.25	0.11	4.16								—	—	—	—	—
YAZ2C2N			1/2	1-3/4"	0.83	1.25	0.12	4.64								—	—	—	—	—

* Use PUADP1 adapter with U dies in 46 Series

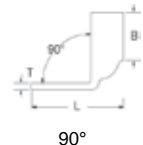
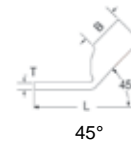
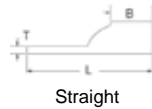
*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPES YAZ-2N, YAZ-2TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAZ1C2TC14	#1 AWG	42.4 50	1/4	5/8"	0.67	1.38	0.10	3.01	Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11 or 375	1-7/16
YAZ1C2TC14E2			1/4	3/4"	0.67	1.38	0.10	3.13							
YAZ1C2TC38			3/8	1"	0.67	1.38	0.10	3.57							
YAZ1C2N			1/2	1-3/4"	0.83	1.38	0.12	4.82							
YAZ252TC14	1/0 AWG	53.5	1/4	5/8"	0.75	1.38	0.12	3.04	MY29 Series (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W25RT (4) W25VT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12 or 348	1-7/16
YAZ252TC14E2			1/4	3/4"	0.75	1.38	0.12	3.16							
YAZ252TC14E1			1/4	1"	0.75	1.38	0.12	3.41							
YAZ252TC14E3			1/4	1.00	0.75	1.38	0.12	3.42							
YAZ252TC516E6			5/16	7/8"	0.75	1.38	0.12	3.35							
YAZ252TC516			5/16	1"	0.75	1.38	0.12	3.47							
YAZ252TC38			3/8	1"	0.75	1.38	0.12	3.60							
YAZ252NTC38			3/8	1-3/4"	0.75	1.38	0.12	4.35							
YAZ252N			1/2	1-3/4"	0.83	1.38	0.11	4.79							
YAZ262TC14			2/0 AWG	67.4 70	1/4	5/8"	0.83	1.50								0.12	3.20	MY29 Series (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YAZ262TC14E2	1/4	3/4"			0.83	1.50	0.12	3.32							
YAZ262TC14E1	1/4	1.00			0.83	1.50	0.12	3.57							
YAZ262TC38	3/8	1"			0.83	1.50	0.12	3.76							
YAZ262TC38E16	3/8	1-3/4"			0.83	1.50	0.12	4.51							
YAZ262N	1/2	1-3/4"			0.83	1.50	0.12	4.95							
YAZ272TC14E2	3/0 AWG	85	1/4	3/4"	0.90	1.50	0.12	3.36	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16
YAZ272TC38			3/8	1"	0.90	1.50	0.12	3.80							
YAZ272N			1/2	1-3/4"	0.91	1.50	0.12	4.98							
YAZ282TC14E2	4/0 AWG	107	1/4	3/4"	1.02	1.62	0.14	3.55	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZ282TC38			3/8	1"	1.02	1.62	0.14	3.99							
YAZ282NTC38			3/8	1-3/4"	1.02	1.62	0.14	4.74							
YAZ282N			1/2	1-3/4"	1.02	1.62	0.14	5.15							
YAZ292TC38	250 kcmil	127	3/8	1"	1.10	1.62	0.14	3.99	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) W29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	1-11/16
YAZ292N			1/2	1-3/4"	1.10	1.62	0.16	5.18							
YAZ302TC38	300 kcmil	152 150	3/8	1"	1.20	2.00	0.16	4.42	644 Series (1) 444 Series (1) 81K Series (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17 or 298	2-1/16
YAZ302N			1/2	1-3/4"	1.20	2.00	0.16	5.60							
YAZ312TC14E2	350 kcmil	177 185	1/4	3/4"	1.29	2.00	0.18	4.02	644 Series (1) 444 Series (1) 81K Series (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18 or 324	2-1/16
YAZ312TC38			3/8	1"	1.29	2.00	0.18	4.45							
YAZ312N			1/2	1-3/4"	1.29	2.00	0.18	5.64							
YAZ322TC38	400 kcmil	203	3/8	1"	1.40	2.12	0.19	4.62	644 Series (1) 444 Series (1) 81K Series (3)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16
YAZ322N			1/2	1-3/4"	1.40	2.12	0.19	5.81							

* Use PUADP1 adapter with U dies in 46 Series

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings.

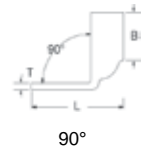
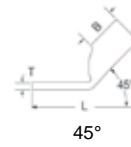
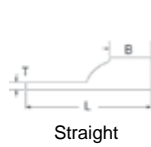
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Code — Two Hole
Long Barrel — with Inspection Window

TYPES YAZ-2N, YAZ-2TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length		
	AWG	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index			
YAZ332N	450 kcmil	—	1/2	1-3/4	1.48	2.12	0.21	5.89	644 Series (1) 444 Series (1) 81K Series (4)	W33VT (4)	W33RT (4)	U33RT (4)	Gray	326 or 538	2-5/16		
YAZ342TC14E2	500 kcmil	253 240	1/4	3/4"	1.55	2.25	0.23	4.42		W34VT (4)	W34RT (4)	U34RT (4)	U31ART (4)	Brown	20 or 299	2-5/16	
YAZ342TC38			3/8	1"	1.55	2.25	0.23	4.85		—	—	U35RT (4)	Yellow	21	2-11/16		
YAZ342N			1/2	1-3/4"	1.55	2.25	0.23	6.04		—	—	U36RT (4)	U32ART (4)	Green	22 or 472	2-3/4	
YAZ352N	550 kcmil	—	1/2	1-3/4"	1.65	2.62	0.25	6.45		—	—	U37RT (4)	Orange	23	2-7/8		
YAZ362TC38	600 kcmil	304 300	3/8	1"	1.74	2.69	0.26	5.55		—	—	U38RT (4)	Pink	400	2-7/8		
YAZ362N			1/2	1-3/4"	1.74	2.69	0.26	6.55		—	—	U39RT (4)	P39RT (4)**	Black	24	2-15/16	
YAZ372N	650 kcmil	—	1/2	1-3/4"	1.80	2.81	0.27	6.70		—	—	P40RT (4)**	Orange	25	3		
YAZ382N	700 kcmil	355	1/2	1-3/4"	1.84	2.81	0.27	6.72		—	—	—	Gold	26	3		
YAZ392NT38	750 kcmil	380	3/8	1"	1.63	2.88	0.27	5.82		—	—	P44RT (4)**	White	27	3-1/16		
YAZ392TC38			3/8	1"	1.91	2.88	0.27	5.82		—	—	—	—	—	—		
YAZ392N			1/2	1-3/4"	1.91	2.88	0.27	6.82		—	—	—	—	—	—		
YAZ392NNT			1/2	1-3/4"	1.63	2.88	0.27	6.82		—	—	—	—	—	—		
YAZ402N	800 kcmil	405 400	1/2	1-3/4"	1.98	2.94	0.30	6.89		—	—	—	—	—	—		
YAZ412N	850 kcmil	—	1/2	1-3/4"	2.01	2.94	0.31	6.91	—	—	—	—	—	—			
YAZ442TC38	1000 kcmil	507	3/8	1"	2.19	3.00	0.33	6.09	—	—	—	P45RT (6)**	Yellow	29	3-1/4		
YAZ442N	500	1/2	1-3/4"	2.19	3.00	0.33	7.08	—				—	P46RT (6)**	Green	31	3-5/16	
YAZ452N	1250 kcmil	633	1/2	1-3/4"	2.46	3.19	0.38	7.38				—	—	—	Orange	30	2-1/16
YAZ4532N	1300 kcmil	—	1/2	1-3/4"	2.53	3.19	0.39	7.41				—	—	—	Gray	33	3-1/2
YAZ462N	1500 kcmil	760	1/2	1-3/4"	2.69	3.19	0.40	7.48				—	—	—	Brown	34	3-1/2
YAZ472N	1750 kcmil	887	1/2	1-3/4"	2.90	3.44	0.42	7.82				—	—	—	—	—	—
YAZ482N	2000 kcmil	1010	1/2	1-3/4"	3.10	3.44	0.46	7.89				—	—	—	—	—	—

* Use PUADP1 adapter with U dies in 46 Series

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▲ See tooling section of this catalog for complete tool and die listings.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

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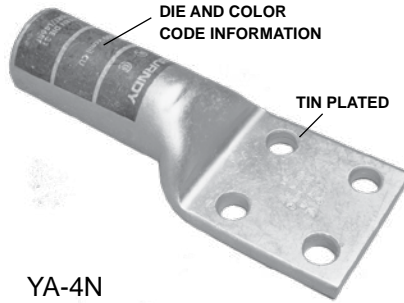
TYPES YA-4N, YAB-4N

HYLUG™

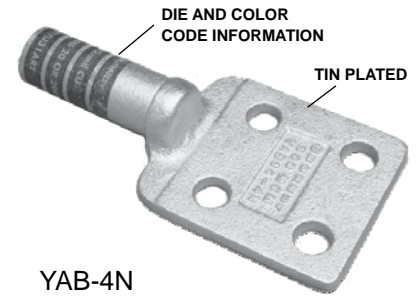


Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



YA-4N

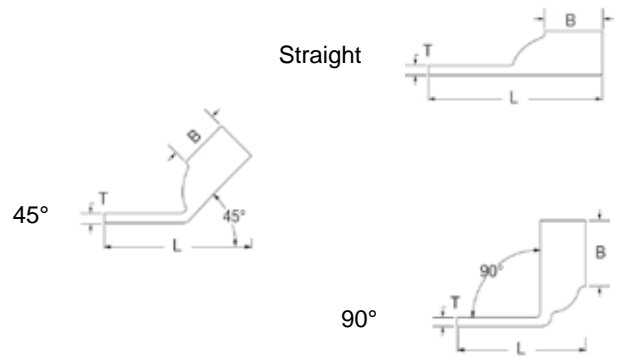


YAB-4N

Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Four hole tongue/tang is recommended when space permits as the 4-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Tongue Angle	Installation Tooling						Wire Strip Length
	AWG	*** MM ²					Barrel Length	Tongue Thickness	Length (Total)	Hydraulic (35, 750, 46* Series)			
										* **	Color Code	Die Index	
YAB344N	500 kcmil	—	1/2	1.75"	3.00	Straight	2.25	0.25	6.33	U34RT	Brown	20	2-5/16
YAB364N	600 kcmil	—	1/2	1.75"	3.00	Straight	2.69	0.25	6.79	U36RT	Green	22	2-3/4
YAB394N	750 kcmil	—	1/2	1.75"	3.00	Straight	2.88	0.25	7.15	U39RT	Black	24	2-15/16
YA444N	1000 kcmil	500	1/2	1.75"	3.00	Straight	3.00	0.23	7.14	P44RT	White	27	3-1/16
YA454N	1250 kcmil	—	1/2	1.75"	3.00	Straight	3.19	0.30	7.44	P45RT	Yellow	29	3-1/4
YA464N	1500 kcmil	—	1/2	1.75"	3.00	Straight	3.19	0.34	7.55	P46RT	Green	31	3-1/4
YA474N	1750 kcmil	—	1/2	1.75"	2.90	Straight	3.44	0.39	7.89	†L47RT	Gray	33	3-1/2
YA484N	2000 kcmil	—	1/2	1.75"	3.10	Straight	3.44	0.46	7.98	†L48RT	Brown	34	3-1/2
YA4864N	2500 kcmil	—	1/2	1.75"	3.46	Straight	4.69	0.52	9.38	†L486RT	—	—	4-3/4

* Use PUADP1 adaptor with U dies in 46 Series
 ** P dies for use with 46 Series only. PUADP1 adaptor not required
 *** The MM² conductor sizes listed are for Class 2 conductor. For applications greater than 2000 Volts, consult cable manufacturer for voltage stress relief instructions
 † Requires 60 Series Tools
 ▲ Not UL Listed

Available undrilled. Add suffix U to catalog number (example YA444NU)
 Note: All dimensions shown are for reference only

Copper Wire Table									
*Terminal Designation	Barrel O.D. (IN)	Code	Flexible Nominal Wire Size / Wire Classes / Wire Class Stranding					DLO	
		Class B, C	Flex Size (Nominal)	G	H	I	K		M
**YAV10	0.21	#14 - #10 AWG	#14 - #10 AWG	—	—	26/24	104/30	259/34	27/24
**YA8C	0.27	#8 AWG	#8 AWG	49	133	41/24	168/30	420/34	37/24
YAV6C	0.31	#6 AWG	#6 AWG	49	133	63/24	266/30	655/34	61/24
YA5C	0.30	#5 AWG	#5 AWG	49	133	84/24	336/30	836/34	91/24
YAV4C	0.38	#4 AWG	#4 AWG	49	133	105/24	420/30	1064/34	105/24
YAV3C	0.42	#3 AWG	#3 AWG	49	133	133/24	532/30	1323/34	125/24
YAV2C	0.46	#2 AWG	#2 AWG	49	133	161/24	665/30	1666/34	150/24
YAV1C	0.51	#1 AWG	#1 AWG	133	259	210/24	835/30	2107/34	225/24
YAV25-FX	0.56	1/0 AWG	1/0 AWG	133	259	226/24	1064/30	2646/34	275/24
YAV26-FX	0.63	2/0 AWG	2/0 AWG	133	259	342/24	1323/30	3325/34	325/24
YAV27-FX	0.70	3/0 AWG	3/0 AWG	133	259	418/24	1666/30	4256/34	450/24
YAV28-FX	0.77	4/0 AWG	4/0 AWG	133	427	532/24	2107/30	5320/34	550/24
YAV29	0.80	250 kcmil	4/0	(4/0 AWG) 133	(4/0 AWG) 427	(4/0 AWG) 532/24	(4/0 AWG) 2107/30	(4/0 AWG) 5320/34	(4/0 AWG) 550/24
YA30-FX	0.81	—	250 kcmil	259	427	—	—	—	—
YA31-FX	0.88	—	250 kcmil	—	—	637/24	2499/30	6348/34	262
YA32-FX	0.95	—	300 kcmil	259	427	735/24	2989/30	7581/34	313
YA34-FX	1.06	—	350 kcmil	259	427	882/24	3458/30	8806/34	373
YA36-FX	1.19	—	500 kcmil	259	427	—	—	—	444
YA38-FX	1.25	—	500 kcmil	—	427	1225/24	5054/30	—	535
		—	550 kcmil	427	703	1372/24	—	—	
YA39-FX	1.30	—	600 kcmil	427	703	1470/24	5985/30	—	1470/24
YA40-FX	1.35	—	650 kcmil	427	—	—	—	—	646
YA44-FX	1.50	—	750 kcmil	427	703	1862	—	—	777
YA46-FX	1.84	—	1000 kcmil	—	—	—	—	—	1111

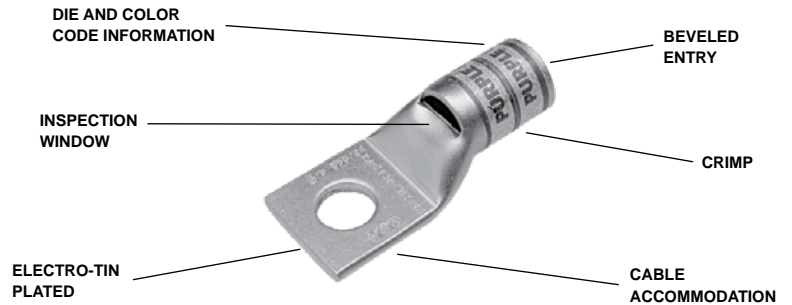
*Catalog Number with suffix "FX" denote connectors that accommodate Copper Flexible Wire

TYPES YA-L, YA-L-FX, YAV, YAV-L-FX

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



Features & Benefits

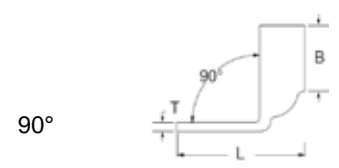
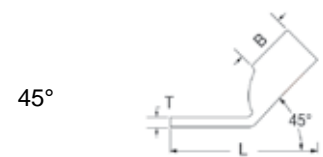
- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Accessories

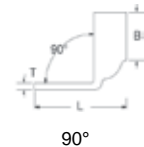
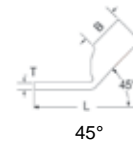
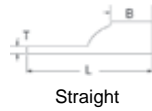
- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



Compression Connections

Copper Compression — Flex — One Hole
Standard Barrel — with Inspection Window

TYPES YA-L, YA-L-FX, YAV, YAV-L-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length	
	AWG/KCML	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index		
YA8CLBOX	#8 AWG G,H,I,K,M, DLO	** 10	#8 - #10	0.41	0.44	0.08	1.16	Y122CMR (1) Y1MRTC (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16	
YA8CL1BOX			1/4	0.44	0.44	0.08	1.26	MY29 Series (1)							
YA8CL2BOX			5/16	0.52	0.44	0.06	1.38	4PC Series (1)							
YA8CL3BOX			3/8	0.58	0.44	0.06	1.51	Y8MRB1 (1)							
YA8CL4BOX	#6 Sol #8 Sol		1/2	0.71	0.44	0.05	1.76	81K Series (1)							
YAV6CLTC10FX	#6 AWG #6 Flex G,H,I,K,M, DLO	** 16	#10	0.48	0.50	0.08	1.30	Y122CMR (1) Y1MRTC (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2	
YAV6CLTC14FX			1/4	0.48	0.50	0.08	1.43	MY29 Series (1)							
YAV6CLTC516FX			5/16	0.52	0.50	0.07	1.49	MRC840 (1)							
YAV6CLTC38FX			3/8	0.58	0.50	0.06	1.61	Y8MRB1 (1)							
YAV6CLTC12FX			1/2	0.75	0.50	0.12	1.86	81K Series (1)							
YAV6CLTC34FX			3/4	1.04	0.50	0.09	2.66								
YAV4CLTC10FX	#4 AWG #4 Flex G,H,I,K,M, DLO	—	#10	0.55	0.50	0.09	1.32	Y122CMR (1) MY29 Series (1) 4PC Series (1) 81K Series (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2	
YAV4CLTC14FX			1/4	0.55	0.50	0.09	1.44								
YAV4CLTC516FX			5/16	0.55	0.50	0.09	1.51								
YAV4CLTC38FX			3/8	0.58	0.50	0.08	1.67								
YAV4CLTC12FX			1/2	0.71	0.50	0.07	1.92								
YAV2CLTC10FX	#2 AWG #2 Flex G,H,I,K,M, DLO	35	#10	0.68	0.63	0.10	1.50	Y1MRTC (2)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16	
YAV2CLTC14FX			1/4	0.68	0.63	0.10	1.62	644 Series (1)							
YAV2CLTC516FX			5/16	0.68	0.63	0.10	1.69	444 Series (1)							
YAV2CLTC38FX			3/8	0.68	0.63	0.10	1.81								
YAV2CLTC12FX			1/2	0.73	0.63	0.09	2.12								
YAV1CLTC10FX	#1 AWG #1 Flex G,H,I,K,M, DLO	—	#10	0.75	0.62	0.12	1.52	644 Series (1) 444 Series (1) MY29 Series (1) 81K Series (1) 4PC Series (1)	W1CVT (1) W1CRT (1) X1CRT (1)	W1CVT (1) W1CRT (1) X1CRT (1)	U1CRT (1)	Green	11	11/16	
YAV1CLTC14FX			1/4	0.75	0.62	0.12	1.65								
YAV1CLTC516FX			5/16	0.75	0.62	0.12	1.71								
YAV1CLTC38FX			3/8	0.75	0.62	0.12	1.84								
YAV1CLTC12FX			1/2	0.75	0.62	0.12	2.09								
YAV25LTC14FX	1/0 AWG 1/0 Flex G,H,I,K,M, DLO	50	1/4	0.83	0.69	0.12	1.75	644 Series (1) 444 Series (1) MY29 Series (1) 81K Series (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/16	
YAV25LTC516FX			5/16	0.83	0.69	0.12	1.81								
YAV25LTC38FX			3/8	0.83	0.69	0.12	1.94								
YAV25LTC12FX			1/2	0.83	0.69	0.12	2.19								
YAV26LTC10FX	2/0 AWG 2/0 Flex G,H,I,K,M, DLO	70	#10	0.93	0.81	0.13	1.80	4PC Series (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16	
YAV26LTC14FX			1/4	0.93	0.81	0.13	1.92								
YAV26LTC516FX			5/16	0.93	0.81	0.13	1.98								
YAV26LTC38FX			3/8	0.93	0.81	0.13	2.11								
YAV26LTC12FX			1/2	0.93	0.81	0.13	2.36								
YAV26LTC58FX			5/8	0.93	0.81	0.13	2.61								
YAV26LTC34FX	3/4	1.10	0.81	0.11	2.89										

* Use PUADP1 adapter with U dies in 46 Series

• P-RT dies for 46 Series Tooling only

** The MM² conductor size listed is for both Class 2 and Class 5 conductors

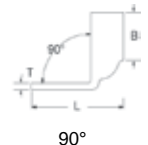
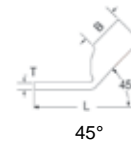
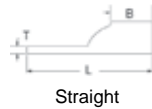
*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use only color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only

TYPES YA-L, YA-L-FX, YAV, YAV-L-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YAV27LTC10FX	3/0 AWG 3/0 Flex G,H,I,K,M, DLO	95	#10	1.03	1.00	0.14	2.03	644 Series (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1
YAV27LTC14FX			1/4	1.03	1.00	0.14	2.15	444 Series (1)						
YAV27LTC516FX			5/16	1.03	1.00	0.14	2.21	MY29 Series (1)						
YAV27LTC38FX			3/8	1.03	1.00	0.14	2.34	81K Series (1)						
YAV27LTC12FX			1/2	1.03	1.00	0.14	2.59	4PC Series (1)						
YAV28LTC14FX	4/0 AWG 4/0 Flex G,H,I,K,M, DLO	120	1/4	1.14	1.03	0.15	2.23	644 Series (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAV28LTC516FX			5/16	1.14	1.03	0.15	2.29	444 Series (1)						
YAV28LTC38FX			3/8	1.14	1.03	0.15	2.42	MY29 Series (1)						
YAV28LTC12FX			1/2	1.14	1.03	0.15	2.67	81K Series (1)						
YAV28LTC58FX			5/8	1.14	1.03	0.15	2.92	4PC Series (1)						
YAV28LTC34FX	3/4	1.14	1.03	0.15	3.11									
YAV29LTC14FX	250 kcmil 4/0 Flex G,H,I,K,M, DLO	—	1/4	1.18	1.03	0.16	2.23	644 Series (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAV29LTC516FX			5/16	1.18	1.03	0.16	2.30	444 Series (1)						
YAV29LTC38FX			3/8	1.18	1.03	0.16	2.42	MY29 Series (1)						
YAV29LTC12FX			1/2	1.18	1.03	0.16	2.67	81K Series (1)						
YAV29LTC58FX			5/8	1.18	1.03	0.16	2.92	4PC Series (1)						
YAV29LTC34FX	3/4	1.18	1.03	0.16	3.11									
YA30LTC516FX	250 kcmil G,H	—	5/16	1.20	1.03	0.16	2.31	644 Series (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/8
YA30LTC38FX			3/8	1.20	1.03	0.16	2.44	444 Series (1)						
YA30LTC12FX			1/2	1.20	1.03	0.16	2.69	81K Series (1)						
YA30LTC58FX			5/8	1.20	1.03	0.16	2.94	4PC Series (1)						
YA30LTC34FX			3/4	1.20	1.03	0.16	3.12							
YA31LTC14FX	250 kcmil I,K,M, 262 DLO	150	1/4	1.29	1.06	0.18	2.31	644 Series (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17 or 298	1-1/8
YA31LTC516FX			5/16	1.29	1.06	0.18	2.37	444 Series (1)						
YA31LTC38FX			3/8	1.29	1.06	0.18	2.50	81K Series (1)						
YA31LTC12FX			1/2	1.29	1.06	0.18	2.75	4PC Series (1)						
YA31LNT12FX			1/2	0.96	1.06	0.18	2.75							
YA31LTC58FX	5/8	1.29	1.06	0.18	3.00									
YA31LTC34FX	3/4	1.29	1.06	0.18	3.19									
YA32LTC38FX	300 kcmil G,H,I,K,M, 313 DLO	185	3/8	1.40	1.19	0.19	2.68	644 Series (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18 or 324	1-1/4
YA32LTC12FX			1/2	1.40	1.19	0.19	2.93	444 Series (1)						
YA32LTC58FX			5/8	1.40	1.19	0.19	3.18	81K Series (1)						
YA32LTC100FX			1	1.74	1.19	0.27	3.87	4PC Series (1)						
YA34LTC516FX	350 kcmil G,H,I,K,M, 373 DLO	240	5/16	1.55	1.27	0.23	2.74	644 Series (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19 or 470	1-5/16
YA34LTC38FX			3/8	1.55	1.27	0.23	2.87	444 Series (1)						
YA34LTC12FX			1/2	1.55	1.27	0.23	3.12	81K Series (1)						
YA34LTC58FX			5/8	1.55	1.27	0.23	3.37	4PC Series (1)						
YA36LTC12FX	500 kcmil G,H 444 DLO	—	1/2	1.74	1.38	0.27	3.29	644 Series (1)	—	—	U34RT (2)	Brown	20 or 299	1-3/8
YA36LTC58FX			5/8	1.74	1.38	0.27	3.54	444 Series (1) 81K Series (2) 4PC Series (2)						

* Use PUADP1 adapter with U dies in 46 Series

** The MM² conductor size listed is for both Class 2 and Class 5 conductors

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

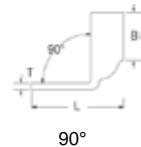
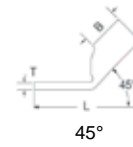
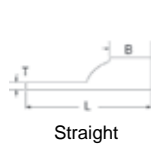
▲ See tooling section of this catalog for complete tool and die listings. Use only color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions
Note: All dimensions shown are for reference only

Compression Connections

Copper Compression — Flex — One Hole
Long Barrel — with Inspection Window

TYPES YA-L, YA-L-FX, YAV, YAV-L-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA38LTC516FX	500 kcmil H,I,K 550 kcmil G,H,I 535 DLO	300	5/16	1.84	1.45	0.27	3.03	644 Series (1) 444 Series (1) 81K Series (2) 4PC Series (2)	—	—	U38XRT (2)	Pink	L99	1-7/16
YA38LTC38FX			3/8	1.84	1.45	0.27	3.34							
YA38LTC12FX			1/2	1.84	1.45	0.27	3.41							
YA38LTC58FX			5/8	1.84	1.45	0.27	3.66							
YA40LTC516FX	650 kcmil G, 646 DLO	400	5/16	1.98	1.42	0.30	3.05	644 Series (1) 444 Series (1) 81K Series (2) 4PC Series (2)	—	—	U39RT (2)	Black	24	1-5/16
YA40LTC38FX			3/8	1.98	1.42	0.30	3.38							
YA40LTC12FX			1/2	1.98	1.42	0.30	3.43							
YA40LTC58FX			5/8	1.98	1.42	0.30	3.68							
YA44LTC12FX	750 kcmil G,H,I 777 DLO	500	1/2	2.19	1.65	0.33	3.79	644 Series (1) 444 Series (1) 81K Series (2) 4PC Series (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YA44LTC58FX			5/8	2.19	1.65	0.33	4.04							

* Use PUADP1 adapter with U dies in 46 Series

• P-RT dies for 46 Series Tooling only

** The MM² conductor size listed is for both Class 2 and Class 5 conductors

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use only color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

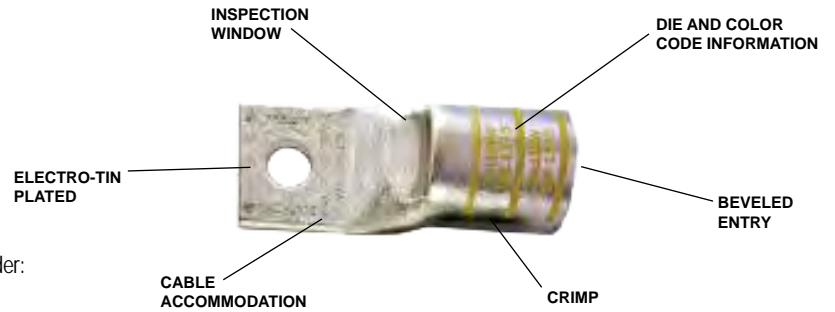
Note: All dimensions shown are for reference only

TYPE YAV-L-NTFX

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175



Features & Benefits

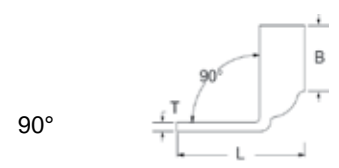
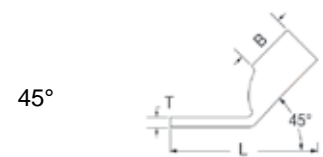
- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed to allow for parallel terminations of wire in limited space applications
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Accessories

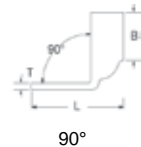
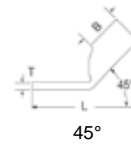
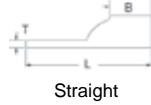
- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



Compression Connections

Copper Compression — Flex — One Hole
Narrow Tongue, Standard Barrel — with Inspection Window

TYPEE YAV-L-NTFX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/ KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YAV4CLNT10FX	#4 AWG #4 Flex G,H,I,K,M, DLO	—	#10	0.41	0.50	0.09	1.32	Y122CMR (2) MY29 Series (1) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)	W4CRT (1) W4CVT (1) X4CRT (1)	W4CRT (1) W4CVT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2
YAV2CLNT14FX	#2 AWG #2 Flex G,H,I,K,M, DLO	35	1/4	0.46	0.63	0.10	1.71	Y122CMR (2) MY29 Series (1) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)	W2CRT (1) W2CVT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAV2CLNT516FX			5/16	0.44	0.63	0.10	1.78							
YAV25LNT14FX	1/0 AWG 1/0 Flex G,H,I,K,M, DLO	50	1/4	0.67	0.69	0.12	1.75	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/16
YAV25LNT516FX			5/16	0.67	0.69	0.12	1.81							
YAV25LNT38FX			3/8	0.76	0.69	0.13	1.94							
YAV26LNT516FX	2/0 AWG 2/0 Flex G,H,I,K,M, DLO	70	5/16	0.90	0.81	0.13	1.98	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAV26LNT38FX			3/8	0.90	0.81	0.13	2.11							
YAV26LNT12FX			1/2	0.87	0.81	0.13	2.36							
YAV27LNT12FX	3/0 AWG 3/0 Flex G,H,I,K,M, DLO	95	1/2	0.76	1.00	0.14	2.59	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1) 4PC Series (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1-1/16
YAV28LNT516FX	4/0 AWG 4/0 Flex G,H,I,K,M, DLO	—	5/16	0.94	1.03	0.15	2.29	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAV28LNT38FX			3/8	0.94	1.03	0.15	2.42							
YAV28LNT12FX			1/2	0.76	1.03	0.15	2.67							
YA30LNT516FX	250 kcmil G,H	—	5/16	0.96	1.03	0.15	2.48	644 Series (1) 444 Series (1) 81K Series (2)	W29VT (2)	—	U29RT (2)	Yellow	16	1-1/8
YA31L-NT12-FX	250 kcmil I,K,M, 262 DLO	150	1/2	0.96	1.06	0.18	2.75	644 Series (1) 444 Series (1) 81K Series (1) 4PC Series (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17 or 298	1-1/8
YA32LNT516FX	300 kcmil G,H,I,K,M, 313 DLO	185	5/16	0.96	1.19	0.19	2.65	644 Series (1) 444 Series (1) 81K Series (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18	1-1/4
YA32LNT38FX			3/8	0.96	1.19	0.19	2.68							

Consult cable manufacturers for stress relief instructions

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

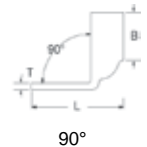
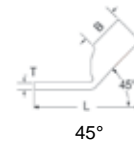
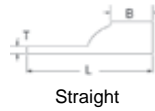
* Use PUADP1 adaptor with U dies in 46 Series

*** The MM² conductor sizes Listed are the recommendations for CLASS 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

Note: All dimensions shown are for reference only.

TYPE YAV-L-NTFX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG/ KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA34LNT38FX	350 kcmil	—	3/8	0.96	1.27	0.23	2.87							
YA34LNT12FX	G,H,I,K,M 373 DLO		1/2	0.96	1.27	0.23	3.12							
YA38LNT12FX	500 kcmil	300	1/2	1.63	1.45	0.27	3.41	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U38XRT (2)	Pink	L99	1-7/16
YA38LNTM20FX	H,I,K 550 kcmil G,H,I 535 DLO		M20	1.63	1.45	0.27	3.84							
YA40LENT12FX	650 kcmil G 646 DLO	—	1/2	1.35	1.42	0.30	3.43	644 Series (1) 444 Series (1) 81K Series (2) 4PC Series (3)	—	—	U39RT (2)	Black	24	1-5/16
YA44LNT38FX	750 kcmil	500	3/8	1.50	1.65	0.33	3.79	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YA44LNT12FX	G,H, 777 DLO		1/2	1.62	1.65	0.33	3.98							

Consult cable manufacturers for stress relief instructions

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

* Use PUADP1 adaptor with U dies in 46 Series

• P-RT dies for 46 Series Tooling only

*** The MM² conductor sizes Listed are the recommendations for CLASS 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

Note: All dimensions shown are for reference only.

Compression Connections

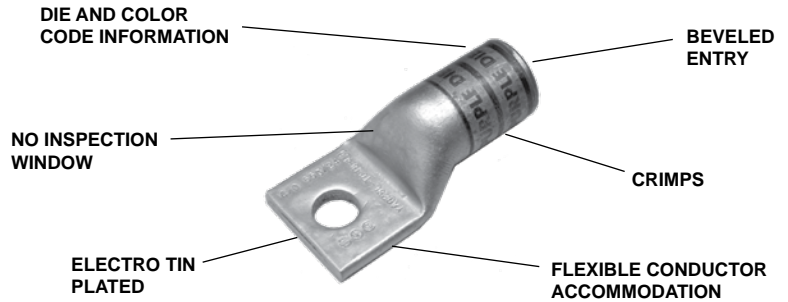
Copper Compression — Flex — One Hole
Standard Barrel — No Inspection Window

TYPE YAG-L-TC

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175



Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

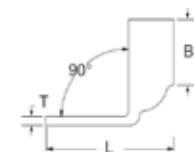
Straight



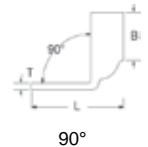
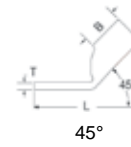
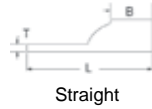
45°



90°



TYPE YAG-L-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length		
	AWG/KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index	
YAG8CLTC14FX	#8 AWG	**	1/4	0.44	0.44	0.08	1.32	MY29 Series (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	1/2	
YAG8CLTC516FX	G,H,I,K,M, DLO		5/16	0.52	0.44	0.06	1.38	Y1MRTC (1)							
YAG8CLTC12FX	#6 Sol #8 Sol	10	1/2	0.71	0.44	0.05	1.76	Y122CMR (1) 81K Series (1)							
YAG6CLTC14FX	#6 AWG	**	1/4	0.48	0.50	0.08	1.43	MY29 Series (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2	
YAG6CLTC516FX	#6 Flex		5/16	0.52	0.50	0.07	1.49	Y1MRTC (1)							
YAG6CLTC38FX	G,H,I,K,M, DLO	16	3/8	0.58	0.50	0.06	1.61	Y122CMR (1)							
YAG6CLTC12FX			1/2	0.75	0.50	0.12	1.86	81K Series (1)							
YAG4CLTC14FX	#4 AWG	—	1/4	0.55	0.50	0.09	1.48	MY29 Series (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2	
YAG4CLTC516FX	#4 Flex		5/16	0.55	0.50	0.09	1.55	Y1MRTC (2)							
YAG4CLTC38FX	G,H,I,K,M, DLO		3/8	0.58	0.50	0.08	1.67	Y122CMR (2)							
YAG4CLTC12FX			1/2	0.71	0.50	0.07	1.92	81K Series (1) 644 Series (1) 444 Series (1)							
YAG2CLTC14FX	#2 AWG	35	1/4	0.68	0.63	0.10	1.64	MY29 Series (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16	
YAG2CLTC516FX	#2 Flex		5/16	0.68	0.63	0.10	1.70	Y1MRTC (2)							
YAG2CLTC38FX	G,H,I,K,M, DLO		3/8	0.68	0.63	0.10	1.83	Y122CMR (2)							
YAG2CLTC12FX			1/2	0.73	0.63	0.09	2.12	81K Series (1) 644 Series (1) 444 Series (1)							
YAG1CLTC14FX	#1 AWG	—	1/4	0.75	0.62	0.12	1.67	MY29 Series (1)	W1CVT (1) W1CRT (1) X1CRT (1)	W1CVT (1) W1CRT (1) X1CRT (1)	U1CRT1 (1)	Green	11	11/16	
YAG1CLTC516FX	#1 Flex		5/16	0.75	0.62	0.12	1.73	644 Series (1)							
YAG1CLTC38FX	G,H,I,K,M, DLO		3/8	0.75	0.62	0.12	1.86	444 Series (1)							
YAG1CLTC12FX			1/2	0.75	0.62	0.12	2.11	81K Series (1)							
YAG25LTC14FX	1/0 AWG	50	1/4	0.83	0.69	0.12	1.77	MY29 Series (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/16	
YAG25LTC516FX	1/0 Flex		5/16	0.83	0.69	0.12	1.84	644 Series (1)							
YAG25LTC38FX	G,H,I,K,M, DLO		3/8	0.83	0.69	0.12	1.96	444 Series (1)							
YAG25LTC12FX			1/2	0.83	0.69	0.12	2.21	81K Series (1)							
YAG26LTC14FX	2/0 AWG	70	1/4	0.93	0.81	0.13	1.95	MY29 Series (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16	
YAG26LTC516FX	2/0 Flex		5/16	0.93	0.81	0.13	2.01	644 Series (1)							
YAG26LTC38FX	G,H,I,K,M, DLO		3/8	0.93	0.81	0.13	2.13	444 Series (1)							
YAG26LTC12FX			1/2	0.93	0.81	0.13	2.38	81K Series (1)							
YAG27LTC14FX	3/0 AWG	95	1/4	1.03	1.00	0.14	2.18	MY29 Series (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1	
YAG27LTC516FX	3/0 Flex		5/16	1.03	1.00	0.14	2.24	644 Series (1)							
YAG27LTC38FX	G,H,I,K,M, DLO		3/8	1.03	1.00	0.14	2.37	444 Series (1)							
YAG27LTC12FX			1/2	1.03	1.00	0.14	2.62	81K Series (1)							
YAG28LTC14FX	4/0 AWG	120	1/4	1.14	1.03	0.15	2.26	MY29 Series (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16	
YAG28LTC516FX	4/0 Flex		5/16	1.14	1.03	0.15	2.32	644 Series (1)							
YAG28LTC38FX	G,H,I,K,M, DLO		3/8	1.14	1.03	0.15	2.45	444 Series (1)							
YAG28LTC12FX			1/2	1.14	1.03	0.15	2.70	81K Series (1)							

* Use PUADP1 adapter with U dies in 46 Series

*** The MM² conductor size referenced here is for Class 5 conductor

** The MM² conductor size referenced here is for Class 2 and Class 5 conductor

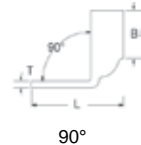
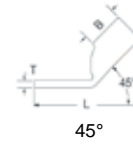
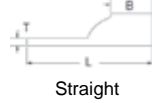
▲ See tooling section of this catalog for complete tool and die listings

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Flex — One Hole
Standard Barrel — No Inspection Window

TYPE YAG-L-TC (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG/KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAG29LTC38FX	250 kcmil	—	3/8	1.18	1.03	0.16	2.45	644 Series (1) 444 Series (1) 81K Series (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAG29LTC12FX	4/0 AWG Flex G,H,I,K,M, DLO		1/2	1.18	1.03	0.16	2.70							
YAG29LTC58FX			5/8	1.18	1.03	0.16	2.95							
YAG30LTC38FX	250 kcmil G,H	—	3/8	1.20	1.03	0.16	2.47	644 Series (1) 444 Series (1) 81K Series (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAG30LTC12FX			1/2	1.20	1.03	0.16	2.72							
YAG30LTC58FX			5/8	1.20	1.03	0.16	2.97							
YAG31LTC14FX	250 kcmil I,K,M, 262 DLO	150	1/4	1.29	1.06	0.18	2.35	644 Series (1) 444 Series (1) 81K Series (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17	1-1/8
YAG31LTC516FX			5/16	1.29	1.06	0.18	2.41							
YAG31LTC38FX			3/8	1.29	1.06	0.18	2.53							
YAG31LTC12FX			1/2	1.29	1.06	0.18	2.78							
YAG31LTC58FX			5/8	1.29	1.06	0.18	3.03							
YAG32LTC12FX	300 kcmil G,H,I,K,M, 313 DLO	185	1/2	1.40	1.19	0.19	2.97	644 Series (1) 444 Series (1) 81K Series (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18	1-1/4
YAG32LTC58FX			5/8	1.40	1.19	0.19	3.22							
YAG34LTC516FX	350 kcmil G,H,I,K,M, 373 DLO	240	5/16	1.55	1.27	0.23	2.78	644 Series (1) 444 Series (1) 81K Series (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19	1-5/16
YAG34LTC38FX			3/8	1.55	1.27	0.23	2.91							
YAG34LTC12FX			1/2	1.55	1.27	0.23	3.16							
YAG34LTC58FX			5/8	1.55	1.27	0.23	3.41							
YAG36LTC38FX	500 kcmil G,H 444 DLO	—	3/8	1.73	1.38	0.27	3.27	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U34RT (2)	Brown	20	1-3/8
YAG38LTC516FX	500 kcmil H,I,K 550 kcmil G,H,I 535 DLO	300	5/16	1.84	1.45	0.27	3.08	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U38XRT (2)	Pink	L99	1-7/16
YAG38LTC38FX			3/8	1.84	1.45	0.27	3.39							
YAG38LTC12FX			1/2	1.84	1.45	0.27	3.46							
YAG40LTC14FX	650 kcmil G, 646 DLO	400	1/4	1.96	1.42	0.30	3.04	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U39RT (2)	Black	24	1-5/16
YAG40LTC516FX			5/16	1.96	1.42	0.30	3.11							
YAG40LTC38FX			3/8	1.96	1.42	0.30	3.42							
YAG40LTC12FX			1/2	1.96	1.42	0.30	3.48							
YAG44LTC516FX	750 kcmil G,H, 777 DLO	500	5/16	2.18	1.65	0.33	3.81	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YAG44LTC38FX			3/8	2.18	1.65	0.33	3.81							
YAG44LTC12FX			1/2	2.18	1.65	0.33	3.85							

* Use PUADP1 adapter with U dies in 46 Series

• P-RT dies for 46 Series Tooling only

*** The MM² conductor size referenced here is for Class 5 conductor

** The MM² conductor size referenced here is for Class 2 and Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings

Note: All dimensions shown are for reference only.

TYPE YA-LB

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

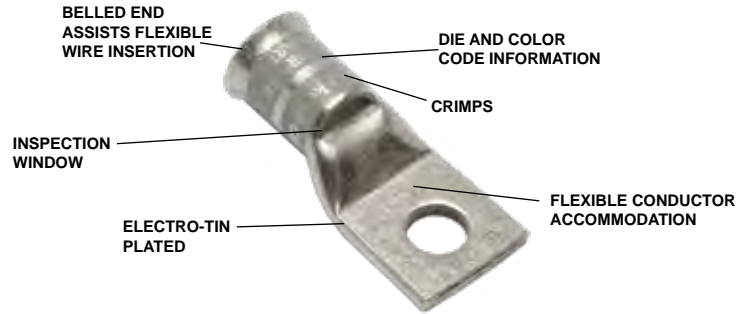
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

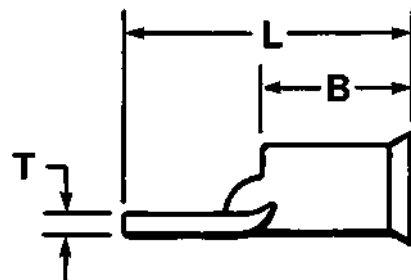
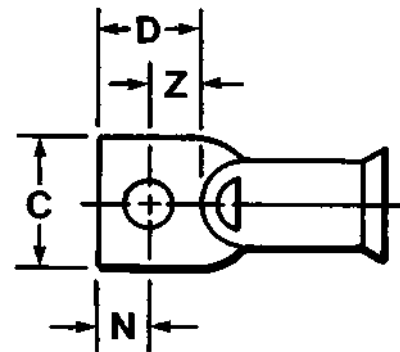
- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during insertion
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



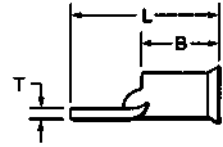
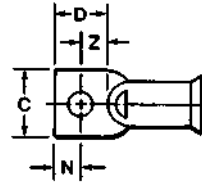
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Compression Connections

Copper Compression — Flex — One Hole
Standard Barrel, Belled End — with Inspection Window

TYPE YA-LB (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Flex Conductor Size AWG/kcmil	Bolt Hole Size	Wire Strip Length	Installation Tooling* Dieless (# of crimps)	Die Index	Dimensions	
						B	L
YA8CLB	#8 AWG #6 Sol, #8 Sol	#10	7/16"	81K Series (1)	49	0.41"	1.12"
	#8 Flex G,H,I,K,M, DLO				1013		
YA5CLB	#5 AWG	1/4"	7/8"		7	0.44"	1.73"
	#6 Flex G,H,I,K,M, DLO				1014		
YA4CLB	#4 AWG	1/4"	7/8"		8	0.50"	1.73"
	#5 Flex G,H,I,K,M, DLO				1015		
YA3CLB	#3 AWG	5/16"	15/16"		9	0.55"	1.94"
	#4 Flex G,H,I,K,M, DLO				1016		
YA2CLB	#2 AWG	5/16"	15/16"		10	0.61"	1.97"
	#3 Flex G,H,I,K,M, DLO				1017		
YA1CLB	#1 AWG	5/16"	15/16"	11	0.68"	2.02"	
	#2 Flex G,H,I,K,M, DLO			1018			
YA25LB	1/0 AWG	5/16"	15/16"	12	0.75"	2.26"	
	#1 Flex G,H,I,K,M, DLO			1019			
YA26LB	2/0 AWG	3/8"	1"	13	0.83"	2.61"	
	1/0 Flex G,H,I,K,M, DLO			1020			
YA27LB	3/0 AWG	1/2"	1-1/16"	14	0.91"	2.67"	
	2/0 Flex G,H,I,K,M, DLO			1021			

Catalog Number	Flex Conductor Size AWG/kcmil	Bolt Hole Size	Wire Strip Length	Installation Tooling* Dieless (# of crimps)	Die Index	Dimensions	
						B	L
YA28LB	4/0 AWG	1/2"	1-1/16"	644 Series (1) 444 Series (1) 81K Series (1)	15	1.02"	2.77"
	3/0 Flex G,H,I,K,M, DLO				1022		
YA29LB	250 kcmil	1/2"	1-1/16"		16	1.11"	2.82"
	4/0 Flex G,H				1023		
YA30LB	300 kcmil	1/2"	1-1/8"		17	1.20"	2.93"
	250 Flex G,H 4/0 Flex I, K, M DLO				1024		
YA31LB	350 kcmil	1/2"	1-3/16"		18	1.29"	3.31"
	250 Flex I,K,M, 262 DLO				1025		
YA32LB	400 kcmil	5/8"	1 1/4"		19	1.40"	3.56"
	300 Flex G,H,I,K,M, 313 DLO				1026		
YA34LB	500 kcmil	5/8"	1-7/16"	20	1.52"	3.83"	
	350 Flex G,H,I,K,M, 373 DLO 400 Flex G,H,I			1027			
YA36LB	600 kcmil	5/8"	1-3/4"	22	1.69"	4.31"	
	450 Flex I,K,M 444 DLO 500 Flex G,H			1028			
YA38LB	700 kcmil	5/8"	1-15/16"	23	1.81"	4.27"	
	500 Flex I,K,M 535 DLO 550 Flex G,H,I			1029			
YA39LB	750 kcmil	5/8"	1-15/16"	24	1.89"	4.27"	
	600 Flex G 550 Flex M			1030			
YA40LB	800 kcmil	5/8"	1-15/16"	25	1.95"	4.27"	
	600 Flex H,I,K,M			1031			
YA44LB	1000 kcmil	5/8"	1-15/16"	27	2.17"	4.5"	
	650 Flex I 750 Flex G,H 777 DLO			1032			

* 644 and 444 Series for use on Code Wire Only
Note: All dimensions shown are for reference only.

TYPES YAZ, YAZV

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

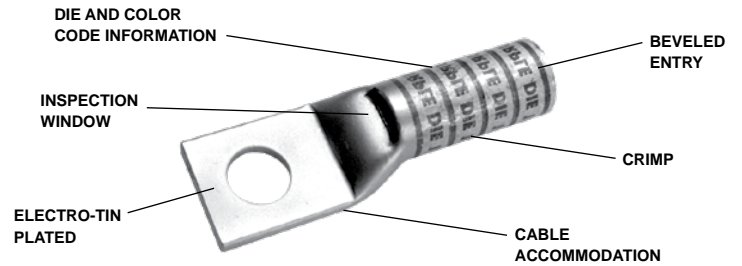
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

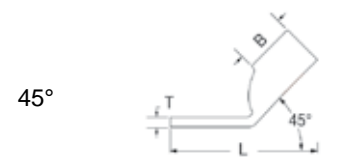
- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



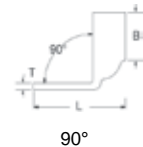
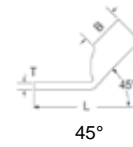
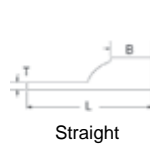
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Compression Connections

Copper Compression — Flex — One Hole
Long Barrel — with Inspection Window

TYPES YAZ, YAZV (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG/KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAZ8CTC10	#8 AWG	**	#10	.41"	0.75	0.08	1.43	Y122CMR (2) Y1MRTC (2) MY29 Series (2) MRC840 (2) 81K Series (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	13/16
YAZ8CTC14	#8 Flex		1/4	.44"	0.75	0.08	1.56							
YAZ8CTC38	G,H,I,K,M DLO	3/8	.58"	0.75	0.06	1.75								
	#6 Sol #8 Sol													
YAZV6CTC14FX	#6 AWG	**	1/4	.48"	0.75	0.08	1.59	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	13/16	
YAZV6CTC38FX	#6 Flex	16	3/8	.58"	0.75	0.06	1.77							
YAZV4CTC14FX	#4 AWG	—	1/4	.55"	1.25	0.09	2.19	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8 or 346	1-5/16
YAZV4CTC38FX	#4 Flex		3/8	.58"	1.25	0.08	2.42							
YAZV2CTC14FX	#2 AWG	35	1/4	.68"	1.38	0.10	2.37							
YAZV2CTC38FX	#2 Flex		3/8	.68"	1.38	0.10	2.56							
YAZV2CTC12FX	G,H,I,K,M, DLO		1/2	.83"	1.38	0.09	2.87							
YAZV1CTC14FX	#1 AWG	—	1/4	.75"	1.38	0.12	2.40	MY29 Series (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2)	Green	11 or 375	1-7/16
YAZV1CTC516FX	#1 Flex		5/16	.75"	1.38	0.12	2.46							
YAZV1CTC38FX	G,H,I,K,M, DLO		3/8	.75"	1.38	0.12	2.59							
YAZV25TC14FX	1/0 AWG	50	1/4	.83"	1.50	0.12	2.56	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	Pink	12 or 348	1-9/16
YAZV25TC38FX	1/0 Flex		3/8	.83"	1.50	0.12	2.75							
YAZV25TC12FX	G,H,I,K,M, DLO		1/2	.83"	1.50	0.12	3.00							
YAZV26TC14FX	2/0 AWG	70	1/4	.93"	1.50	0.13	2.61	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YAZV26TC38FX	2/0 Flex		3/8	.93"	1.50	0.13	2.80							
YAZV26TC12FX	G,H,I,K,M, DLO		1/2	.93"	1.50	0.13	3.05							
YAZV27TC38FX	3/0 AWG	95	3/8	1.03"	1.50	0.14	2.84	W27VT (4) W27RT (4) X27RT (4)	W27VT (4) W27RT (4) X27RT (4)	U27RT (2)	Orange	14	1-9/16	
YAZV28NT38FX	4/0 AWG	**	3/8	.94"	1.62	0.14	3.01	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4) W28RT (4) X28RT (4)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZV28TC38FX	4/0 Flex		3/8	1.14"	1.62	0.14	3.01							
YAZV28TC12FX	G,H,I,K,M, DLO		1/2	1.14"	1.62	0.14	3.26							
YAZV29NT516FX	250 kcmil	—	5/16	.96"	2.00	0.16	3.27								W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16

* Use PUADP1 adapter with U dies in 46 Series

** The MM² conductor size referenced here is for both Class 2 and Class 5 conductor

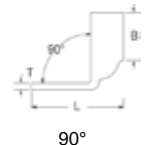
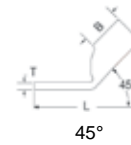
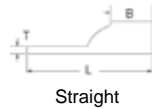
*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPES YAZ, YAZV (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG/KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAZ30TC38FX	250 kcmil G,H	—	3/8	1.20"	2.00	0.16	3.41	644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16
YAZ31TC38FX	250 kcmil I,K,M, 262 DLO	150	3/8	1.28"	2.00	0.18	3.44		W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	White	17 or 298	2-1/16
YAZ32TC38FX	300 kcmil G,H,I,K,M, 313 DLO	185	3/8	1.55"	2.12	0.19	3.61		X31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	Red	18 or 324	2-3/16
YAZ34NT38FX	350 kcmil G,H,I,K,M, 373 DLO	240	3/8	.96"	2.25	0.23	3.84		W32VT (4)	W32VT (4) W32RT (4)	U32RT (4)	Blue	19	2-5/16
YAZ34TC38FX			3/8	1.52"	2.25	0.23	3.84							
YAZ34TC12FX			1/2	1.52"	2.25	0.23	4.09							
YAZ36TC38FX	500 kcmil G,H 444 DLO	—	3/8	1.72"	2.69	0.26	4.54		—	—	U34RT (4)	Brown	20 or 299	2-3/4
YAZ38NT38FX	500 kcmil H,I,K 535 DLO	300	3/8	1.63"	2.81	0.27	4.71		—	—	U38XRT (4)	Pink	L99	2-7/8
YAZ38TC38FX			3/8	1.81"	2.81	0.27	4.71							
YAZ38NT12FX			1/2	1.63"	2.81	0.27	4.77							
YAZ38TC12FX			1/2	1.81"	2.81	0.27	4.77							

* Use PUADP1 adapter with U dies in 46 Series

** The MM² conductor size referenced here is for both Class 2 and Class 5 conductor

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

Compression Connections

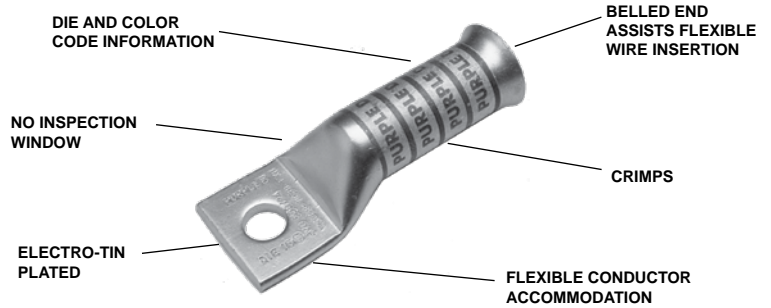
Copper Compression — Flex — One Hole
Long Barrel, Belled End — No Inspection Window

TYPES YA-TC-FXB, YAV-TC-FXB

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175



Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during insertion
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

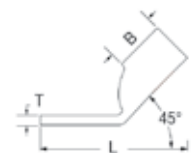
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

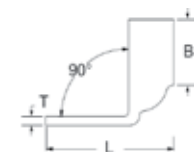
Straight



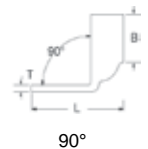
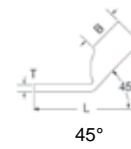
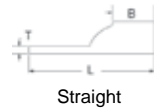
45°



90°



TYPES YA-TC-FXB, YAV-TC-FXB (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA8CTC14FXB	#8 AWG #8 Flex G,H,I,K,M DLO #6 Sol #8 Sol	** 10	1/4	0.44	0.90	0.08	1.78	MRC840 (2) MY29 Series (2) Y122CMR (2) Y1MRTC (2) 81K Series (1)	W8CVT (2)	W8CVT (2)	U8CRT (2)	Red	49	1
YAV6CTC10FXB	#6 AWG #6 Flex G,H,I,K,M, DLO	** 16	#8-#10	0.48	1.22	0.08	2.00	MY29 Series (2) Y1MRTC (2) Y122CMR (2) 81K Series (1)	W5CVT (2)	W5CVT (2)	U5CRT (2)	Blue	7	1-5/16
YAV6CTC14FXB			1/4	0.48	1.22	0.08	2.12							
YA5CTC14FXB	#5 AWG #5 Flex G,H,I,K,M, DLO	—	1/4	0.44	1.22	0.07	2.12	MY29 Series (2) Y1MRTC (4) Y122CMR (4) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (2)	W4CVT (2)	U4CRT (2)	Gray	8	1-5/16
YAV4CTC10FXB	#4 AWG #4 Flex G,H,I,K,M, DLO	—	#8-#10	0.55	1.22	0.09	2.05							
YAV4CTC14FXB			1/4	0.55	1.22	0.09	2.17							
YAV4CTC516FXB	#4 AWG #4 Flex G,H,I,K,M, DLO	—	5/16	0.55	1.22	0.09	2.24	MY29 Series (2) Y1MRTC (4) Y122CMR (4) 644 Series (1) 444 Series (1) 81K Series (1)	W2CVT (2)	W2CVT (2)	U2CRT (2)	Brown	10	1-7/16
YAV2CTC10FXB			#8-#10	0.68	1.35	0.10	2.24							
YAV2CTC516FXB	#2 AWG #2 Flex G,H,I,K,M, DLO	35	5/16	0.68	1.35	0.10	2.43	MY29 Series (2) Y1MRTC (4) Y122CMR (4) 644 Series (1) 444 Series (1) 81K Series (1)	W1CVT (2)	W1CVT (2)	U1CRT1 (2)	Green	11	1-9/16
YAV1CTC10FXB			#8-#10	0.75	1.50	0.12	2.41							
YAV1CTC516FXB	#1 AWG #1 Flex G,H,I,K,M, DLO	—	5/16	0.75	1.50	0.12	2.60	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (4)	W25VT (4)	U25RT (2)	Pink	12	1-9/16
YAV25TC10FXB			#8-#10	0.83	1.50	0.12	2.45							
YAV25TC516FXB	1/0 AWG 1/0 Flex G,H,I,K,M, DLO	50	5/16	0.83	1.50	0.12	2.64	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4)	W26VT (4)	U26RT (2)	Black	13	1-13/16
YAV25TC38FXB			3/8	0.83	1.50	0.12	2.77							
YAV25TC12FXB			1/2	0.83	1.50	0.12	3.20							
YAV26TC38FXB			3/8	0.93	1.63	0.13	2.95							
YAV26TC12FXB	2/0 AWG 2/0 Flex G,H,I,K,M, DLO	70	1/2	0.93	1.63	0.13	3.39	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4)	W27VT (4)	U27RT (2)	Orange	14	1-13/16
YAV27TC12FXB			3/0 AWG 3/0 Flex G,H,I,K,M, DLO	95	1/2	1.04	1.64								0.14	3.44

* Use PUADP1 adapter with U dies in 46 Series

** The 16 MM² and 120 MM² referenced here are for both Class 2 and Class 5 conductor

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

† P44RT for use with 46 Series only. PUADP1 adapter not required.

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.

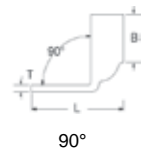
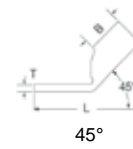
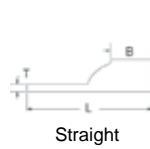
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Flex — One Hole
Long Barrel, Belled End — No Inspection Window

TYPES YA-TC-FXB, YAV-TC-FXB (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YAV28TC38FXB	4/0 AWG 4/0 Flex G,H,I,K,M, DLO	—	3/8	1.14	1.77	0.14	3.19	644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4)	W28VT (4)	U28RT (2)	Purple	15	1-7/8
YAV28TC12FXB			1/2	1.14	1.77	0.14	3.63		W29VT (4)	W29VT (4)	U29RT (2)	Yellow	16	2-1/4
YA30TC12FXB	250 kcmil G,H	—	1/2	1.20	4.04	0.16	4.04		W30VT (4)	W30VT (4)	U30RT (4)	White	17	2-1/4
YA31TC12FXB	250 kcmil I,K,M, 262 DLO	150	1/2	1.29	2.18	0.18	4.09	644 Series (1) 444 Series (1) 81K Series (2)	W31VT (4)	W31VT (4)	U31RT (4)	Red	18	2-1/4
YA32TC12FXB	300 kcmil G,H,I,K,M, 313 DLO	185	1/2	1.40	2.32	0.19	4.28		W32VT (4)	W32VT (4)	U32RT (4)	Blue	19	2-9/16
YA34TC12FXB	350 kcmil G,H,I,K,M, 373 DLO	240	1/2	1.55	2.48	0.23	4.54		—	—	U34RT (4)	Brown	20	3-1/16
YA36TC12FXB	500 kcmil G,H 444 DLO	—	1/2	1.73	2.95	0.26	5.09	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U38XRT (4)	Pink	L99	3-1/16
YA36TC58FXB			5/8	1.73	2.95	0.26	5.15							
YA38TC12FXB	500 kcmil H,I,K 550 kcmil G,H,I 535 DLO	300	1/2	1.84	3.08	0.27	5.07								—	—	U39RT (4)	Black	24	3-5/16
YA38TC58FXB			5/8	1.84	3.08	0.27	5.32	—	—	U44XRT (4) •P44XRT (2)	Yellow	L115	3-7/16	
YA40TC58FXB	650 kcmil G 646 DLO	400	5/8	1.98	3.24	0.30	5.53	—	—	**P45RT (4)	Yellow	29	3-11/16	
YA44TC58FXB	750 kcmil G,H 777 DLO	500	5/8	2.18	3.33	0.32	5.71	—	—	—	—	—	—	—
YA46TC58FXB	1000 kcmil G, H 1111 DLO	—	5/8	2.69	3.58	0.39	6.19	—	—	—	—	—	—	—

* Use PUADP1 adapter with U dies in 46 Series

• P-RT dies for 46 Series Tooling only

** The 16 MM² and 120 MM² referenced here are for both Class 2 and Class 5 conductor

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

TYPES YA-L-2TC, YA-L-2TC-FX, YAV-L-2TC-FX

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

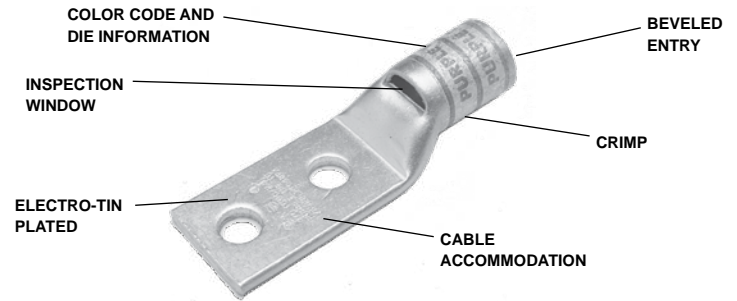
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Short/Standard length barrel is recommended for installations with limited space requirements
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

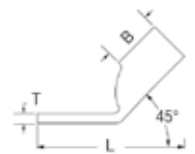


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

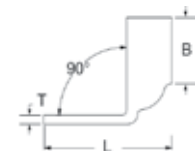
Straight



45°



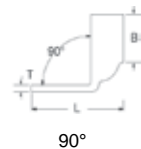
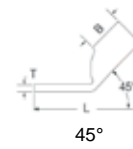
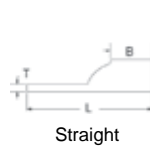
90°



Compression Connections

Copper Compression — Flex — Two Hole
Standard Barrel — with Inspection Window

TYPES YA-L-2TC, YA-L-2TC-FX, YAV-L-2TC-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length		
	AWG/KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of Crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index			
YA8CL2TC10	#8 AWG		#10	5/8	0.41	0.44	0.08	1.83	Y122CMR (1)								
YA8CL2TC14	#8 Flex		1/4	5/8	0.44	0.44	0.08	1.95	MRC840 (1)								
YA8CL2TC14E2	G,H,I,K,M		1/4	3/4	0.44	0.44	0.08	2.08	MY29 Series (1)								
YA8CL2TC14E1	DLO		1/4	1	0.44	0.44	0.08	2.33	Y8MRB1 (1)								
YA8CL2TC38	#6 Sol		3/8	1	0.58	0.44	0.06	2.52	Y1MRTC (1)								
YA8CL2TC38	#8 Sol		3/8	1	0.58	0.44	0.06	2.52	81K Series (1)								
YAV6CL2TC10E9FX	#6 AWG #6 Flex G,H,I,K,M, DLO	16	#10	1/2	0.48	0.50	0.08	1.81	Y122CMR (1) MRC840 (1) MY29 Series (1) Y1MRTC (1) 81K Series (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16		
YAV6CL2TC10FX			#10	5/8	0.45	0.50	0.08	1.94									
YAV6CL2TC10E4FX			#10	11/16	0.45	0.50	0.08	2.00									
YAV6CL2TC10E2FX			#10	3/4	0.48	0.50	0.08	2.06									
YAV6CL2TC14FX			1/4	5/8	0.48	0.50	0.08	2.06									
YAV6CL2TC14E2FX			1/4	3/4	0.48	0.50	0.08	2.16									
YAV6CL2TC14E1FX			1/4	1	0.48	0.50	0.08	2.44									
YAV6CL2TC516FX			5/16	1	0.52	0.50	0.07	2.50									
YAV6CL2TC38FX			3/8	1	0.58	0.50	0.06	2.62									
YAV6CL2NTCFX			1/2	1-3/4	0.83	0.50	0.12	3.81									
YAV4CL2TC14FX	#4 AWG #4 Flex G,H,I,K,M, DLO	—	1/4	5/8	0.55	0.50	0.09	2.08	Y122CMR (1) MY29 Series (1) Y1MRTC (1) 81K Series (1) 644 Series (1) 444 Series (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2		
YAV4CL2TC14E2FX			1/4	3/4	0.55	0.50	0.09	2.20									
YAV4CL2TC14E1FX			1/4	1	0.55	0.50	0.09	2.45									
YAV4CL2TC516FX			5/16	1	0.55	0.50	0.09	2.52									
YAV4CL2TC38FX			3/8	1	0.58	0.50	0.08	2.68									
YAV4CL2NTCFX			1/2	1-3/4	0.83	0.50	0.12	3.87									
YAV2CL2TC14FX	#2 AWG #2 Flex G,H,I,K,M, DLO	35	1/4	5/8	0.68	0.63	0.10	2.26	Y12CMR (1) MY29 Series (1) Y1MRTC (1) 81K Series (1) 644 Series (1) 444 Series (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16		
YAV2CL2TC14E2FX			1/4	3/4	0.68	0.63	0.10	2.38									
YAV2CL2TC14E1FX			1/4	1	0.68	0.63	0.10	2.63									
YAV2CL2TC516FX			5/16	1	0.68	0.63	0.10	2.71									
YAV2CL2TC38FX			3/8	1	0.68	0.63	0.10	2.82									
YAV2CL2NTCFX			1/2	1-3/4	0.83	0.63	0.08	4.07									
YAV1CL2TC14FX	#1 AWG #1 Flex G,H,I,K,M, DLO	—	1/4	5/8	0.75	0.62	0.12	2.28	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (1)	Green	11	11/16		
YAV1CL2TC14E2FX			1/4	3/4	0.75	0.62	0.12	2.41									
YAV1CL2TC14E1FX			1/4	1	0.75	0.62	0.12	2.65									
YAV1CL2TC516FX			5/16	1	0.75	0.62	0.12	2.72									
YAV1CL2TC38FX			3/8	1	0.75	0.62	0.12	2.85									
YAV1CL2NTCFX			1/2	1-3/4	0.83	0.62	0.11	4.04									
YAV25L2TC14FX	1/0 AWG 1/0 Flex G,H,I,K,M, DLO	50	1/4	5/8	0.83	0.69	0.12	2.39	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/16		
YAV25L2TC14E2FX			1/4	3/4	0.83	0.69	0.12	2.51									
YAV25L2TC516E2FX			5/16	3/4	0.83	0.69	0.12	2.57									
YAV25L2TC516FX			5/16	1	0.83	0.69	0.12	2.82									
YAV25L2TC38FX			3/8	1	0.83	0.69	0.12	2.95									
YAV25L2TC12E1FX			1/2	1	0.83	0.69	0.12	3.20									
YAV25L2NTCFX	1/2	1-3/4	0.83	0.69	0.12	4.14											

* Use PUADP1 adaptor with U dies in 46 Series

** The MM² conductor size referenced here is for both Class 2 and Class 5 conductor

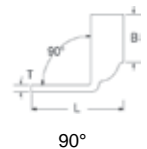
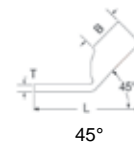
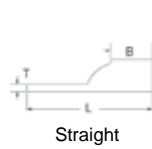
*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indentor system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

TYPES YA-L-2TC, YA-L-2TC-FX, YAV-L-2TC-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length
	AWG/KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of Crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAV26L2TC14FX	2/0 AWG 2/0 Flex G,H,I,K,M, DLO	70	1/4	5/8	0.93	0.81	0.13	2.56	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAV26L2TC14E2FX			1/4	3/4	0.93	0.81	0.13	2.68							
YAV26L2TC516FX			5/16	1	0.93	0.81	0.13	2.99							
YAV26L2TC38FX			3/8	1	0.93	0.81	0.13	3.12							
YAV26L2TC38E10FX			3/8	1-1/4	0.93	0.81	0.13	3.37							
YAV26L2TC12E1FX			1/2	1	0.93	0.81	0.13	3.37							
YAV26L2NTCFX			1/2	1-3/4	0.93	0.81	0.13	4.31							
YAV27L2TC14FX	3/0 AWG 3/0 Flex G,H,I,K,M, DLO	95	1/4	5/8	1.03	1.00	0.14	2.79	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1
YAV27L2TC38FX			3/8	1	1.03	1.00	0.14	3.35							
YAV27L2NTCFX			1/2	1.75	1.03	1.00	0.14	4.54							
YAV28L2TC14E2FX	4/0 AWG 4/0 Flex G,H,I,K,M, DLO	120	1/4	3/4	1.14	1.03	0.15	2.99	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAV28L2TC14FX			1/4	5/8	1.14	1.03	0.15	2.86							
YAV28L2TC516FX			5/16	1	1.14	1.03	0.15	3.30							
YAV28L2TC38FX			3/8	1	1.14	1.03	0.15	3.43							
YAV28L2TC12E1FX			1/2	1	1.14	1.03	0.15	3.68							
YAV28L2TC12FX			1/2	1-1/4	1.14	1.03	0.15	3.93							
YAV28L2NTCFX			1/2	1-3/4	1.14	1.03	0.15	4.62							
YAV29L2TC14FX	250 kcmil 4/0 Flex G,H,I,K,M, DLO	—	1/4	5/8	1.18	1.03	0.16	2.87	644 Series (1) 444 Series (1) 81K Series (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAV29L2TC14E2FX			1/4	3/4	1.18	1.03	0.16	2.99							
YAV29L2TC516FX			5/16	1	1.18	1.03	0.16	3.31							
YAV29L2TC38FX			3/8	1	1.18	1.03	0.16	3.43							
YAV29L2TC12E1FX			1/2	1	1.18	1.03	0.16	3.68							
YAV29L2TC12FX			1/2	1-1/4	1.18	1.03	0.16	3.93							
YAV29L2NTCFX	1/2	1-3/4	1.18	1.03	0.16	4.62									
YA30L2TC516FX	250 kcmil G,H	—	5/16	1	1.20	1.03	0.16	3.32	644 Series (1) 444 Series (1) 81K Series (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YA30L2TC38FX			3/8	1	1.20	1.03	0.16	3.45							
YA30L2NTCFX			1/2	1-3/4	1.20	1.03	0.16	4.63							
YA31L2TC38FX	250 kcmil I,K,M, DLO 262	150	3/8	1	1.29	1.06	0.18	3.51	644 Series (1) 444 Series (1) 81K Series (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17 or 298	1-1/8
YA31L2TC12FX			1/2	1-1/4	1.29	1.06	0.18	4.01							
YA31L2NTCFX			1/2	1-3/4	1.29	1.06	0.18	4.70							
YA32L2TC38FX	300 kcmil G,H,I,K,M, DLO 313	185	3/8	1	1.40	1.19	0.19	3.69	644 Series (1) 444 Series (1) 81K Series (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18 or 324	1-1/4
YA32L2NTCFX			1/2	1-3/4	1.40	1.19	0.19	4.88							
YA34L2TC516FX	350 kcmil G,H,I,K,M, DLO 373	240	5/16	1	1.55	1.27	0.23	3.75	644 Series (1) 444 Series (1) 81K Series (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19 or 470	1-5/16
YA34L2TC38FX			3/8	1	1.55	1.27	0.23	3.88							
YA34L2NTC38FX			3/8	1-3/4	1.55	1.27	0.23	4.63							
YA34L2TC12FX			1/2	1-1/4	1.55	1.27	0.23	4.38							
YA34L2NTCFX			1/2	1-3/4	1.55	1.27	0.23	5.06							
YA36L2TC38FX	500 kcmil G,H, DLO 444	—	3/8	1	1.74	1.38	0.27	4.24	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U34RT (2)	Brown	20 or 299	1-7/16
YA36L2NTCFX			1/2	1-3/4	1.74	1.38	0.27	5.24							

* Use PUADP1 adaptor with U dies in 46 Series

** The MM² conductor size referenced here is for both Class 2 and Class 5 conductor

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

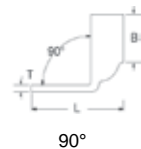
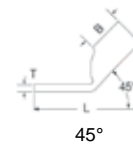
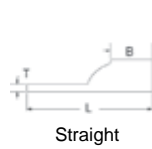
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Flex — Two Hole
Standard Barrel — with Inspection Window

TYPES YA-L-2TC, YA-L-2TC-FX, YAV-L-2TC-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length
	AWG/KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of Crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA38L2TC516FX	500 kcmil H,I,K 550 kcmil G,H,I DLO 535	300	5/16	1	1.84	1.45	0.27	4.04	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U38XRT (2)	Pink	L99	1-7/16
YA38L2TC38FX			3/8	1	1.84	1.45	0.27	4.35							
YA38L2TC12FX			1/2	1-1/4	1.84	1.45	0.27	4.67							
YA38L2NTCFX			1/2	1-3/4	1.84	1.45	0.27	5.35							
YA39L2TC38E10FX	600 kcmil G,H,I,K, DLO	—	3/8	1-3/4	1.91	1.42	0.27	4.61	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U38RT (2)	Pink	400	1-1/2
YA39L2NTCFX			1/2	1-3/4	1.91	1.42	0.27	5.36							
YA40L2TC38FX	650 kcmil G, DLO 646	400	3/8	1	1.98	1.42	0.30	4.38	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U39RT (2)	Black	24	1-5/16
YA40L2NTCFX			1/2	1-3/4	1.98	1.42	0.30	5.38							
YA44L2TC38FX	750 kcmil G,H, DLO 777	500	3/8	1	2.19	1.65	0.33	4.74	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YA44L2TC12FX			1/2	1-1/4	2.19	1.65	0.33	5.05							
YA44L2TC12E3FX			1/2	1-1/2	2.19	1.65	0.33	5.30							
YA44L2NTCFX			1/2	1-3/4	2.19	1.65	0.33	5.74							
YA44L2TC58FX			5/8	1-1/2	2.19	1.65	0.33	5.55							

* Use PUADP-1 adaptor with U dies in 46 Series tooling

• P-RT dies for 46 Series only

** The MM² conductor size referenced here is for both Class 2 and Class 5 conductor

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indentor system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

TYPE YAV-L-2NT-FX

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

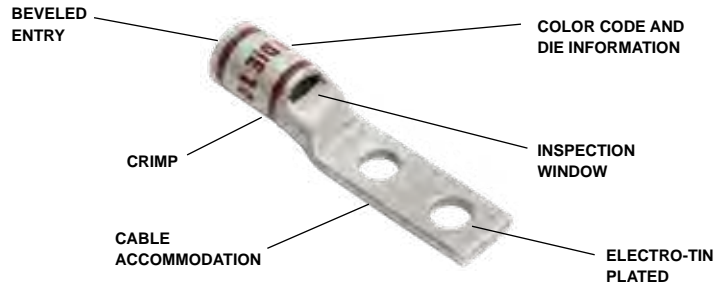
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed to allow for more parallel terminations of wire in limited space applications
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Short/Standard length barrel is recommended for installations with limited space requirements
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

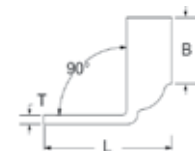
Straight



45°



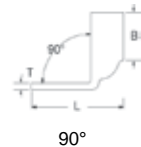
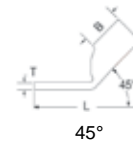
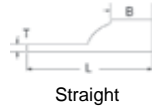
90°



Compression Connections

Copper Compression — Flex — Two Hole
Narrow Tongue, Standard Barrel — with Inspection Window

TYPE YAV-L-2NT-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YAV4CL2NT10E1FX	#4 AWG #4 Flex G,H,I,K,M DLO	—	#10	1.00	0.41	0.50	0.09	2.33	MY29 Series (1) Y122CMR (2) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	9/16
YAV4CL2NT10FX			#10	5/8	0.41	0.50	0.09	1.95							
YAV4CL2NT14FX			1/4	.63"	0.45	0.50	0.09	2.08							
YAV2CL2NT10FX	#2 AWG #2 Flex G,H,I,K,M DLO	35	#10	.63"	0.48	0.63	0.10	2.14	MY29 Series (1) Y122CMR (2) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAV2CL2NT14E1FX			1/4	1.00"	0.48	0.63	0.10	2.63							
YAV2CL2NT14FX			1/4	.63"	0.48	0.63	0.10	2.26							
YAV1CL2NT14FX	#1 AWG #1 Flex G,H,I,K,M DLO	—	1/4	.63"	0.50	0.62	0.12	2.28	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W1CVT (1) W1CRT (1) X1CRT (1)	W1CVT (1) W1CRT (1) X1CRT (1)	U1CRT (1)	Green	11	11/16
YAV1CL2NT516FX			5/16	1.00"	0.58	0.63	0.12	2.72							
YAV25L2NT14E1FX	1/0 AWG 1/0 Flex G,H,I,K,M DLO	50	1/4	1.00"	0.64	0.69	0.12	2.76	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	13/16
YAV25L2NT14FX			1/4	.63"	0.64	0.69	0.12	2.39							
YAV25L2NT516FX			5/16	1.00"	0.58	0.69	0.12	2.82							
YAV26L2NT14FX	2/0 AWG 2/0 Flex G,H,I,K,M DLO	70	1/4	0.63"	0.76	0.81	0.13	2.56	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAV26L2NT38FX			3/8	1.00"	0.63	0.81	0.13	3.23							
YAV26L2NT516FX			5/16	1.00"	0.58	0.81	0.13	2.99							
YAV28L2ENT14FX	4/0 AWG 4/0 Flex G,H,I,K,M DLO	—	1/4	.63	0.76	1.03	0.15	2.86	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAV28L2NT38FX			3/8	1	0.94	1.03	0.15	3.43							
YAV29L2NT38FX	250 kcmil 4/0 Flex G,H,I,K,M DLO	—	3/8	1	0.94	1.03	0.16	3.43	644 Series (1) 444 Series (1) 81K Series (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YA31L2NT38FX	250 kcmil I,K,M DLO 262	150	3/8	1.00"	0.96	1.06	0.18	3.51	644 Series (1) 444 Series (1) 81K Series (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17 or 298	1-1/8

Consult cable manufacturers for stress relief instructions

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

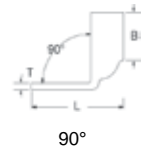
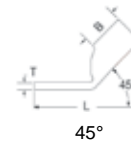
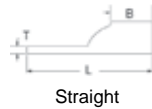
* Use PUADP1 adaptor with U dies in 46 Series

*** The MM² conductor sizes Listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

Note: All dimensions shown are for reference only

TYPE YAV-L-2NT-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/ KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA32L2NT38FX	300 kcmil G,H,I,K,M DLO 313	185	3/8	1.00"	0.96	1.19	0.20	3.69	644 Series (1) 444 Series (1) 81K Series (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18	1-1/4
YA34L2NT38FX	350 kcmil G,H,I,K,M DLO 373	240	3/8	1	0.96	1.27	0.23	3.88	644 Series (1) 444 Series (1) 81K Series (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19 or 470	1-5/16
YA36L2NT38FX	500 kcmil G,H DLO 444	—	3/8	1.00"	1.63	1.38	0.27	4.24	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U34RT (2)	Brown	20	1-7/16
YA36L2ENT38E10FX		—	3/8	1.25	1.50	1.38	0.27	4.49	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U34RT (2)			
YA38L2ENT38FX	500 kcmil H,I,K 550 kcmil G,H,I DLO 535	300	3/8	1.00"	1.50	1.45	0.27	4.35	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U38XRT (2)	Pink	L99	
YA38L2NT38FX		300	3/8	1	1.63	1.45	0.27	4.35	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U38XRT (2)			
YA38L2NNTFX		300	1/2	1.75	1.63	1.45	0.27	5.35	644 Series (1) 444 Series (1) 81K Series (1)	—	—	U38XRT (2)			
YA40L2NNTFX	650 kcmil G DLO 646	400	1/2	1.75	1.63	1.42	0.30	5.38	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U39RT (2)	Black	24		1-5/16
YA44L2NNTFX	750 kcmil G,H DLO 777	500	1/2	1.75	1.63	1.65	0.33	5.74	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YA44L2NT38FX		500	3/8	1	1.63	1.65	0.33	4.74							
YA45L2NT38FX	929 kcmil DLO	—	3/8	1.00"	1.70	2.00	0.38	5.18	—	—	—	P44RT (2)	White	27	2-1/16

Consult cable manufacturers for stress relief instructions

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

* Use PUADP1 adaptor with U dies in 46 Series

• P-RT dies for 46 Series Tooling only

*** The MM² conductor sizes Listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

Note: All dimensions shown are for reference only

Compression Connections

Copper Compression — Flex — Two Hole
Long Barrel — with Inspection Window

TYPE YAZ-FX

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

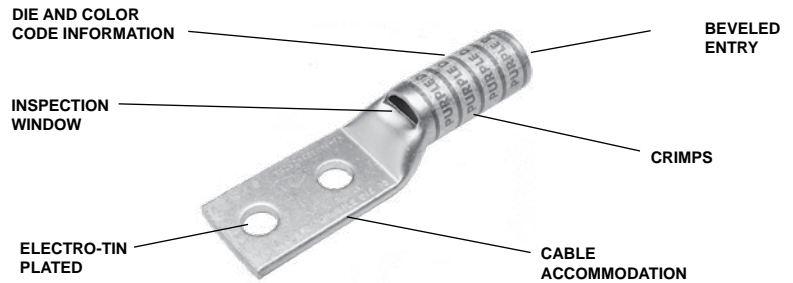
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

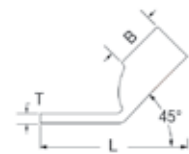


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

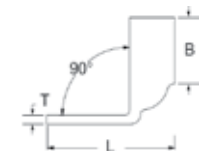
Straight



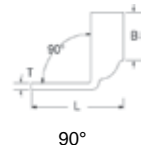
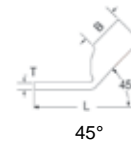
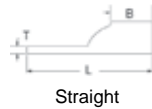
45°



90°



TYPE YAZ-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length	
	AWG/ KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of Crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index		
YAZV102TC14E1	14-10 AWG	2.5 - 4	1/4	1.00	0.41	0.69	0.05	2.53	MR20 (2) MRE1022B (2) Y122CMR (2)	—	—	—	—	—	—	3/4
YAZ8C2TC10FX	#8 AWG	10	#10	5/8	0.41	0.81	0.08	2.20	Y8MRB1 (1) MY29 Series (2) Y122CMR (2) Y1MRTC (2) 81K Series (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	1	
YAZ8C2TC10E2FX	#8 Flex		#10	3/4	0.41	0.75	0.08	2.33								
YAZ8C2TC14FX	G,H,I,K,M		1/4	5/8	0.44	0.81	0.08	2.32								
YAZ8C2TC14E2FX	DLO		1/4	3/4	0.44	0.81	0.08	2.45								
YAZ8C2TC14E1FX	(37/24)		1/4	1	0.44	0.81	0.08	2.70								
YAZ8C2TC38FX	#6 Sol #8 Sol		3/8	1	0.58	0.81	0.06	2.89								
YAZV6C2TC10E2FX	#6 AWG	16	#10	3/4	0.48	0.75	0.08	2.64	MY29 Series (2) Y122CMR (2) Y1MRTC (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16	
YAZV6C2TC14FX	#6 Flex		1/4	5/8	0.48	0.75	0.08	2.65								
YAZV6C2TC14E2FX	G,H,I,K,M		1/4	3/4	0.48	0.75	0.08	2.78								
YAZV6C2TC14E1FX	DLO		1/4	1	0.48	0.75	0.08	3.03								
YAZV6C2TC38E2FX	(61/24)		3/8	3/4	0.58	0.75	0.06	2.97								
YAZV6C2TC38E6FX	#6 Sol		3/8	7/8	0.58	0.75	0.06	3.09								
YAZV6C2TC38FX	#8 Sol	3/8	1	0.58	0.75	0.06	2.78									
YAZV4C2TC14FX	#4 AWG	—	1/4	5/8	0.55	1.25	0.09	2.83	Y1MRTC (4) Y122CMR (4) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8 or 346	1-5/16	
YAZV4C2TC14E2FX	#4 Flex		1/4	3/4	0.55	1.25	0.09	2.95								
YAZV4C2TC38E2-FX	G,H,I,K,M		3/8	3/4	0.58	1.25	0.08	3.14								
YAZV4C2TC38FX	DLO (105/24)		3/8	1	0.58	1.25	0.08	3.39								
YAZV2C2TC14FX	#2 AWG	35	1/4	5/8	0.68	1.38	0.10	3.01	Y122MRC (4) Y1MRTC (4) MY29 Series (4) 644 Series (1) 444 Series (1) 81K Series (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-7/16	
YAZV2C2TC14E2FX	#2 Flex		1/4	3/4	0.68	1.38	0.10	3.13								
YAZV2C2TC38FX	G,H,I,K,M		3/8	1	0.68	1.38	0.10	3.57								
YAZV2C2NTCFX	DLO (140/24)		1/2	1-3/4	0.83	1.38	0.10	4.76								
YAZV1C2TC14FX	#1 AWG	—	1/4	5/8	0.75	1.38	0.12	3.04	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W1CVT (2) W1CRT (2) X1CRT (2)	W1CVT (2) W1CRT (2) X1CRT (2)	U1CRT (2)	Green	11 or 375	1-7/16	
YAZV1C2TC14E2FX	#1 Flex		1/4	3/4	0.75	1.38	0.12	3.16								
YAZV1C2TC14E1FX	G,H,I,K,M		1/4	1	0.75	1.38	0.12	3.41								
YAZV1C2TC516E6FX	DLO		5/16	7/8	0.75	1.38	0.12	3.35								
YAZV1C2TC516FX	(225/24)		5/16	1	0.75	1.38	0.12	3.47								
YAZV1C2TC38FX	#1 Sol		3/8	1	0.75	1.38	0.12	3.60								
YAZV252TC14FX	1/0 AWG	50	1/4	5/8	0.83	1.50	0.12	3.20	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	Pink	12 or 348	1-9/16	
YAZV252TC14E2FX	1/0 Flex		1/4	3/4	0.83	1.50	0.12	3.32								
YAZV252TC38FX	G,H,I,K,M		3/8	1	0.83	1.50	0.12	3.76								
YAZV252NTCFX	DLO (275/24)		1/2	1-3/4	0.83	1.50	0.12	4.95								

* Use PUADP1 adapter with U dies in 46 Series

** The MM² conductor size referenced here is for both Class 2 and Class 5 conductor

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

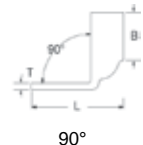
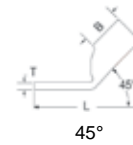
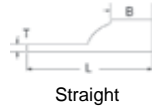
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Flex — Two Hole
Long Barrel — with Inspection Window

TYPE YAZ-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length
	AWG/ KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of Crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAZV262TC14FX	2/0 AWG	70	1/4	5/8	0.93	1.50	0.13	3.20	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YAZV262TC14E2FX	2/0 Flex		1/4	3/4	0.93	1.50	0.13	3.32							
YAZV262TC38E6FX	G,H,I,K,M		3/8	.88	0.93	1.50	0.13	3.68							
YAZV262TC38FX	DLO		3/8	1	0.93	1.50	0.13	3.76							
YAZV262NTCFX	(325/24)		1/2	1-3/4	0.93	1.50	0.13	4.95							
YAZV272TC14E2FX	3/0 AWG	95	1/4	3/4	1.03	1.50	0.14	3.36	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4) W27RT (4) X27RT (4)	W27VT (4) W27RT (4) X27RT (4)	U27RT (2)	Orange	14	1-9/16
YAZV272TC38FX	3/0 Flex G,H,I,K,M DLO (450/24)		3/8	1	1.03	1.50	0.14	3.80							
YAZV282TC14E2FX	4/0 AWG	120	1/4	3/4	1.14	1.62	0.15	3.52	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZV282TC38FX	4/0 Flex G,H,I,K,M DLO (550/24)		3/8	1	1.14	1.62	0.15	3.96							
YAZV282NTCFX	(550/24)		1/2	1-3/4	1.14	1.62	0.15	4.93							
YAZV292NT516FX	250 kcmil 4/0 Flex G,H,I,K,M DLO (550/24)	—	5/16	1-3/4	0.96	2.00	0.16	4.62	644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (8)	W29RT (4) W29VT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16
YAZ302TC38FX	250 kcmil G,H	—	3/8	1	1.20	2.00	0.16	4.42	644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (8)	W29RT (4) W29VT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16
YAZ312TC14E2FX	250 kcmil	150	1/4	3/4	1.29	2.00	0.18	4.02	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	White	17 or 298	2-1/16
YAZ312TC38FX	I,K,M		3/8	1	1.29	2.00	0.18	4.45							
YAZ312NTCFX	DLO 262 (650/24)		1/2	1.75	1.29	2.00	0.18	5.64							
YAZ322TC38FX	300 kcmil G,H,I,K,M DLO 313 (775/24)	185	3/8	1	1.40	2.12	0.19	4.62	Y / PAT644 (1) Y / PAT81KFT (2)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	Red	18 or 324	2-3/16
YAZ342TC14E2FX	350 kcmil	240	1/4	3/4	1.55	2.25	0.23	4.42	644 Series (1) 444 Series (1) 81K Series (2)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4)	Blue	19 or 470	2-5/16
YAZ342TC38FX	G,H,I,K,M		3/8	1	1.55	2.25	0.23	4.85							
YAZ342NT38FX	DLO 373 (925/24)		3/8	1	0.96	2.25	0.23	4.85							
YAZ342NTCFX	(925/24)		1/2	1-3/4	1.55	2.25	0.23	6.04							
YAZ362TC38FX	500 kcmil G,H DLO 444 (110/24)	—	3/8	1	1.74	2.69	0.27	5.55	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U34RT (4)	Brown	20 or 299	2-3/4

* Use PUADP1 adapter with U dies in 46 Series

** The MM² conductor size referenced here is for both Class 2 and Class 5 conductor

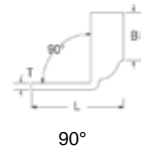
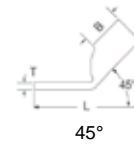
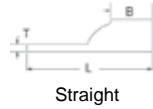
*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

TYPE YAZ-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length
	AWG/ KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of Crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAZ382NT38FX	500 kcmil H,I,K	300	3/8	1	1.62	2.81	0.27	5.72	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U38XRT (4)	Pink	L99	2-7/8
YAZ382TC38FX			3/8	1	1.84	2.81	0.27	5.72							
YAZ382NNTFX	550 KCMIL G,H,I		1/2	1-3/4	1.62	2.81	0.27	6.72							
YAZ382NTCFX	DLO 535 (1325/24)		1/2	1-3/4	1.84	2.81	0.27	6.72							
YAZ402NTCFX	650 kcmil G DLO 646 (1600/24)	—	1/2	1-3/4	1.98	2.94	0.30	6.89	644 Series (1) 444 Series (1)	—	—	U39RT (4)	Black	24	3
YAZ442NT38FX	750 kcmil G,H DLO 777 (1925/24)	—	3/8	1	1.62	3.00	0.33	6.08	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (4) •P44XRT (4)	Yellow	L115	3-1/16

* Use PUADP1 adapter with U dies in 46 Series

• P-RT dies for 46 Series Tooling only

** The MM² conductor size referenced here is for both Class 2 and Class 5 conductor

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Flex — Two Hole
Belled End, Long Barrel — No Inspection Window

TYPES YA-2TC-FXB, YAV-2TC-FXB

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

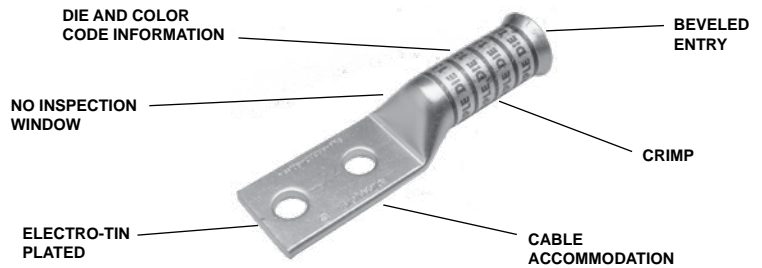
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during insertion
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

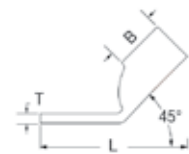


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

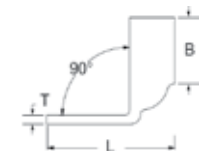
Straight



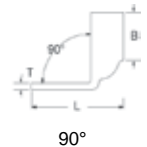
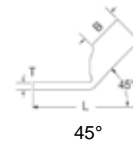
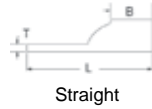
45°



90°



TYPES YA-2TC-FXB, YAV-2TC-FXB (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG/ KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA8C2TC14E2FXB	#8 AWG #8 Flex	** 10	1/4	3/4"	0.44	0.90	0.08	2.54	Y8MRB1 (2) Y1MRTC (2) MY29 Series (2) 81K Series (1)	W8CRT (2) W8CVT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	1
YA8C2TC38FXB	G,H,I,K,M DLO (37/24) #6 Sol #8 Sol		3/8	1"	0.58	0.90	0.06	2.98							
YAV6C2TC14E2FXB	#6 AWG #6 Flex	** 16	1/4	3/4"	0.48	1.22	0.08	2.88	Y122CMR (2) Y1MRTC (2) MY29 Series (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7	1-5/16
YAV6C2TC14FXB	G,H,I,K,M DLO		1/4	5/8"	0.48	1.22	0.08	2.76							
YAV6C2TC38FXB	(61/24)		3/8	1"	0.58	1.22	0.06	3.32							
YAV6C2NFXB	(61/24)		1/2	1-3/4"	0.83	1.22	0.12	4.51							
YAV4C2TC14E2FXB	#4 AWG #4 Flex	—	1/4	3/4"	0.55	1.22	0.09	2.93	Y122CMR (4) Y1MRTC (4) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8	1-5/16
YAV4C2TC14FXB	G,H,I,K,M DLO		1/4	5/8"	0.55	1.22	0.09	2.81							
YAV4C2TC516FXB	(105/24)		5/16	1"	0.55	1.22	0.09	3.24							
YAV4C2TC38FXB	(105/24)		3/8	1"	0.58	1.22	0.09	3.37							
YAV4C2NFXB	(105/24)		1/2	1-3/4"	0.83	1.22	0.12	4.56							
YA3C2TC516FXB	#3 AWG #3 Flex	—	5/16	1"	0.55	1.48	0.09	3.51	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-9/16
YA3C2TC38FXB	G,H,I,K,M DLO		3/8	1"	0.58	1.48	0.09	3.64							
YAV3C2NFXB	(125/24)		1/2	1.75"	0.83	1.48	0.12	4.83							
YAV2C2TC14E1FXB	#2 AWG #2 Flex	35	1/4	1"	0.68	1.35	0.10	3.38	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-7/16
YAV2C2TC14E2FXB	G,H,I,K,M DLO		1/4	3/4"	0.68	1.35	0.10	3.13							
YAV2C2TC14FXB	(150/24)		1/4	5/8"	0.68	1.35	0.10	3.00							
YAV2C2TC38FXB	(150/24)		3/8	1"	0.68	1.35	0.10	3.57							
YAV2C2TC516FXB	(150/24)		5/16	1"	0.68	1.35	0.10	3.44							
YAV2C2NFXB	(150/24)		1/2	1-3/4"	0.83	1.35	0.12	4.76							
YAV1C2TC38FXB	#1 AWG #1 Flex	—	3/8	1"	0.75	1.50	0.12	3.74	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2)	Green	11	1-9/16
YAV1C2NFXB	G,H,I,K,M DLO (225/24)		1/2	1-3/4"	0.83	1.50	0.11	4.92							
YAV252TC14E2FXB	1/0 AWG 1/0 Flex	50	1/4	3/4"	0.83	1.50	0.12	3.34	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W25RT (4) W25VT (4) X25RT (4)	W25RT (4) W25VT (4) X25RT (4)	U25RT (2)	Pink	12	1-9/16
YAV252TC14FXB	G,H,I,K,M DLO		1/4	5/8"	0.83	1.50	0.12	3.21							
YAV252TC38FXB	(275/24)		3/8	1"	0.83	1.50	0.12	3.78							
YAV262TC14E2FXB	2/0 AWG 2/0 Flex	70	1/4	3/4"	0.93	1.63	0.13	3.52	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W26RT (4) W26VT (4) X26RT (4)	W26RT (4) W26VT (4) X26RT (4)	U26RT (2)	Black	13	1-13/16
YAV262TC14FXB	G,H,I,K,M DLO		1/4	5/8"	0.93	1.63	0.13	3.40							
YAV262NTC38FXB	(325/24)		3/8	1-3/4"	0.93	1.63	0.13	4.71							
YAV262TC38FXB	(325/24)		3/8	1"	0.93	1.63	0.13	3.96							
YAV262NFXB	(325/24)		1/2	1-3/4"	0.93	1.63	0.13	5.15							

Consult cable manufacturers for stress relief instructions

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

* Use PUADP1 adaptor with U dies in 46 Series

** The MM² conductor sizes referenced here are for both Class 2 and Class 5 conductors

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

‡ P-RT die sets for use in 46 Series only, PUADP1 adaptor not required

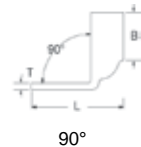
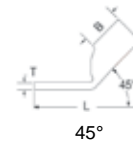
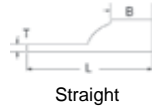
Note: All dimensions shown are for reference only.

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

Compression Connections

Copper Compression — Flex — Two Hole
Belled End, Long Barrel — No Inspection Window

TYPES YA-2TC-FXB, YAV-2TC-FXB (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG/KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YAV272TC14E2FXB	3/0 AWG	95	1/4	3/4"	1.03	1.64	0.14	3.58	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27RT (4) W27VT (4) X27RT (4)	W27RT (4) W27VT (4) X27RT (4)	U27RT (2)	Orange	14	1-13/16
YAV272TC38FXB	3/0 Flex		3/8	1"	1.03	1.64	0.14	4.01							
YAV272NFXB	G,H,I,K,M DLO (450/24)	1/2	1-3/4"	1.03	1.64	0.14	5.20								
YAV282TC14E2FXB	4/0 AWG	**	1/4	3/4"	1.14	1.77	0.14	3.76	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28RT (4) W28VT (4) X28RT (6)	W28RT (4) W28VT (4) X28RT (6)	U28RT (2)	Purple	15	1-7/8
YAV282TC38FXB	4/0 Flex	120	3/8	1"	1.14	1.77	0.14	4.20							
YAV282NT38FXB	G,H,I,K,M DLO (550/24)	**	3/8	1"	1.14	1.77	0.14	4.20							
YAV282NTC38FXB	G,H,I,K,M DLO (550/24)	**	3/8	1-3/4"	1.14	1.77	0.14	4.20	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28RT (4) W28VT (4) X28RT (6)	W28RT (4) W28VT (4) X28RT (6)	U28RT (2)	Purple	15	1-7/8
YAV282NFXB	G,H,I,K,M DLO (550/24)	120	1/2	1-3/4"	1.14	1.77	0.14	5.39							
YAV292TC14E2FXB	250 kcmil	—	1/4	3/4"	1.18	2.16	0.16	4.19								644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (6)	W29RT (4) W29VT (4) X29RT (6)	U29RT (2)	Yellow	16	2-1/4
YAV292TC38FXB	4/0 Flex		3/8	1"	1.18	2.16	0.16	3.62							
YAV292NT38FXB	G,H,I,K,M DLO (550/24)		3/8	1"	0.75	2.16	0.16	5.54							
YAV292NTC38FXB	G,H,I,K,M DLO (550/24)		3/8	1-3/4"	1.18	2.16	0.16	5.37							
YAV292NFXB	G,H,I,K,M DLO (550/24)		1/2	1-3/4"	1.18	2.16	0.16	5.81							
YA302NFXB	250 kcmil G,H	—	1/2	1-3/4"	1.20	2.16	0.16	5.80	644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (6)	W29RT (4) W29VT (4) X29RT (6)	U29RT (2)	Yellow	16	2-1/4
YA312TC38FXB	250 kcmil 4/0 Flex	150	3/8	1"	1.29	2.18	0.18	4.66	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (4)	W30RT (4) W30VT (4)	U30RT (4)	White	17	2-1/4
YA312NFXB	G,H,I,K,M DLO (550/24)		1/2	1-3/4"	1.29	2.18	0.18	5.85							
YA322TC38FXB	300 kcmil	185	3/8	1"	1.40	2.32	0.19	4.85	644 Series (1) 444 Series (1) 81K Series (2)	W31VT (4)	W31RT (4) W31VT (4)	U31RT (4)	Red	18	2-1/4
YA322NFXB	G,H,I,K,M DLO 313 (775/24)		1/2	1-3/4"	1.40	2.32	0.19	6.04							
YA342TC38FXB	350 kcmil	240	3/8	1"	1.55	2.48	0.23	5.10	644 Series (1) 444 Series (1) 81K Series (2)	W32VT (4)	W32RT (4) W32VT (4)	U32RT (4)	Blue	19	2-9/16
YA342NFXB	G,H,I,K,M DLO 373 (925/24)		1/2	1-3/4"	1.55	2.48	0.23	6.29							
YA362NFXB	500 kcmil G,H DLO 444 (110/24)	300	1/2	1-3/4"	1.73	2.95	0.26	6.84	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U40RT (4)	Brown	20	3-1/16

Consult cable manufacturers for stress relief instructions

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

* Use PUADP1 adaptor with U dies in 46 Series

** The MM² conductor sizes referenced here are for both Class 2 and Class 5 conductors

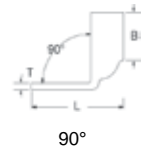
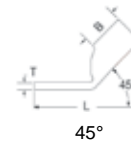
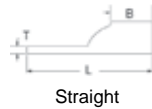
*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

‡ P-RT die sets for use in 46 Series only, PUADP1 adapter not required

Note: All dimensions shown are for reference only.

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

TYPES YA-2TC-FXB, YAV-2TC-FXB (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length		
	AWG/ KCMIL	MM ² ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index	
YA382NFXB	500 kcmil	300	1/2	1-3/4"	1.84	3.08	0.26	7.01	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U38XRT (4)	Pink	L99	3-3/16	
YA382FXBG2	H,I,K		1/2	2"	1.84	3.08	0.27	6.82								
YA382FXBG3	G,H,I		1/2	1-3/16"	1.84	3.08	0.27	6.26								
YA382TC38FXB	DLO 535 (325/24)	—	3/8	1"	1.84	3.08	0.26	6.01	—	—	—	—	—	—	—	—
YA402NFXB	650 kcmil G	400	1/2	1-3/4"	1.98	3.24	0.30	7.22	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U39RT (4)	Black	24	3-5/16	
YA442TC38FXB	DLO 646 (1600/24)		3/8	1"	2.19	3.33	0.33	6.44								
YA442NFXB	750 kcmil G,H	500	1/2	1-3/4"	2.19	3.33	0.33	7.44	—	—	—	U44XRT (4) •P44XRT (4)	Yellow	L115	3-7/16	
YA462NFXB	DLO 777 (1925/24)		1/2	1-3/4"	2.69	3.58	0.39	7.91								
YA462NFXB	1111 kcmil DLO	—	1/2	1-3/4"	2.69	3.58	0.39	7.91	—	—	—	•P45RT (4)**	—	29	3-11/16	

Consult cable manufacturers for stress relief instructions

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

* Use PUADP-1 adaptor with U dies in 46 Series tools

• P-RT dies for 46 Series tools only

** The MM² conductor sizes referenced here are for both Class 2 and Class 5 conductors

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor

Note: All dimensions shown are for reference only.

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

Compression Connections

Copper Compression — Flex — Two Hole
Narrow Tongue, Long Barrel — with Inspection Window

TYPES YAZ-2-NTFX, YAZV-2NTFX

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

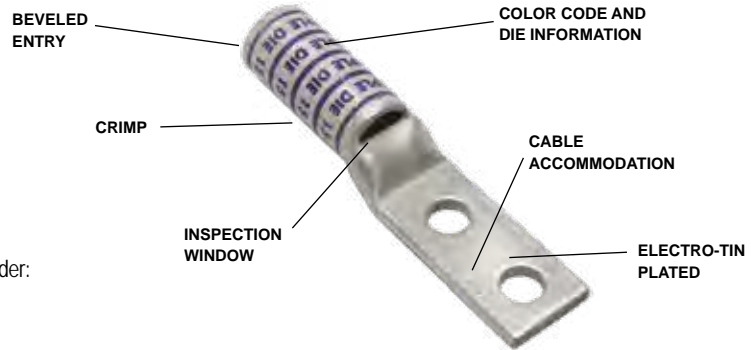
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed to allow for more parallel terminations of wire in limited space applications
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

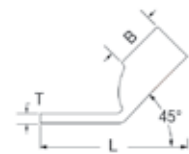


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

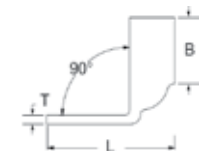
Straight



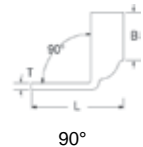
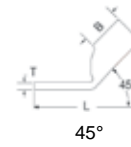
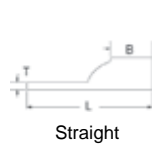
45°



90°



TYPES YAZ-2-NTFX, YAZV-2NTFX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Stud Hole Size		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling					Wire Strip Length	
	AWG/ KCMIL	MM ²				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YAZV4C2NT14E2FX	#4 AWG #4 Flex G,H,I,K,M DLO (105/24)	—	1/4	0.75	0.44	1.25	0.09	2.95	Y122CMR (4) Y1MRTC (4) MY29 Series (4) 644 Series (1) 444 Series (1) 81K Series (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8	1-5/16
YAZV2C2NT14E2FX	#2 AWG #2 Flex G,H,I,K,M DLO (150/24)	35	1/4	0.75	0.50	1.38	0.10	3.14	Y12CMR (4) Y1MRTC (4) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-7/16
YAZV252NT14FX	1/0 AWG 1/0 Flex G,H,I,K,M DLO (275/24)	—	1/4	.62	0.48	1.50	0.12	3.35	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2) 4PC Series (2)	W25RT (4) X25RT (4) W25VT (4)	W25RT (4) X25RT (4) W25VT (4)	U25RT (2)	Pink	12 or 348	1-9/16
YAZV282NT38FX	4/0 AWG 4/0 Flex G,H,I,K,M DLO (550/24)	—	3/8	1.00	0.94	1.62	0.17	3.96	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZV292NT516FX	250 kcmil 4/0 Flex G,H,I,K,M DLO (550/24)	—	5/16	1.00	0.96	2.00	0.16	4.28	644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (8)	W29RT (4) W29VT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16
YAZ342NT38FX	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	3/8	1.00	0.96	2.25	0.23	4.85	644 Series (1) 444 Series (1) 81K Series (2)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4)	Blue	19	2-5/16
YAZ382ENT38FX	500 kcmil H,I,K	300	3/8	1.00	1.46	2.81	0.27	5.72	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U38XRT (4)	Pink	L99	2-7/8
YAZ382NT38FX	550 kcmil G,H,I DLO 535 (1325/24)		3/8	1.00	1.62	2.81	0.27	5.72							
YAZ382NNTFX	750 kcmil G,H DLO 777 (1925/24)		1/2	1.75	1.62	2.81	0.27	6.72							
YAZ442NT38FX	750 kcmil G,H DLO 777 (1925/24)	500	3/8	1.00	1.62	3.00	0.33	6.09	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (4) +P44XRT (4)	Yellow	L115	3-1/16

Consult cable manufacturers for stress relief instructions

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor.

* Use PUADP-1 adaptor with U dies in 46 Series tools

• P-RT dies for 46 Series tools

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

Note: All dimensions shown are for reference only.

Compression Connections

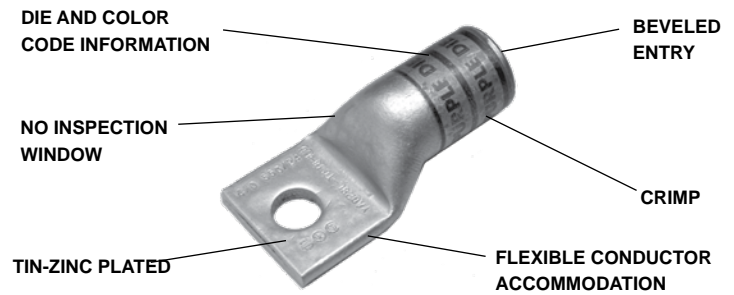
Copper Compression — Flex — One Hole
Standard Barrel, Tin-Zinc Plated — No Inspection Window

TYPE YAG-L-FXTZ

HYTIN-ZCLAD™

Uninsulated Copper Compression Terminal, Tin-Zinc Plated
UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175



Features & Benefits

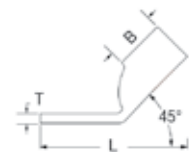
- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Tin-Zinc plated for battery connectors or other heavy duty equipment, to reduce the corrosion from lead/acid batteries
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Straight



45°



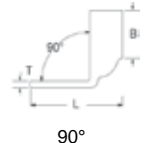
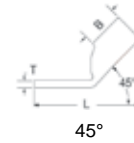
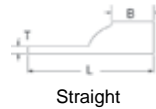
90°



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPE YAG-L-FXTZ (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Fig #	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length
		AWG/ KCMIL	MM ² ***			(B)	(T)	(L)	Dieless	MD6, 500, 600 Series, OUR840, MD734R	35, 750, 46* Series	Color Code	Die Index	
YAG8CLTC14FXTZ	1	#8 AWG #8 Flex G,H,I,K,M DLO (37/24)	10	1/4	0.44	0.44	0.08	1.32	MY29 Series (1) Y122CMR (1) Y1MRTC (1) 81K Series (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	1/2
YAG8CLTC38FXTZ	1			3/8	0.58	0.44	0.06	1.51						
YAG6CLTC14FXTZ	1	#6 AWG #6 Flex G,H,I,K,M DLO (61/24)	16	1/4	0.48	0.50	0.08	1.43	MY29 Series (1) Y122CMR (1) Y1MRTC (1) 81K Series (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2
YAG6CLTC516FXTZ	1			5/16	0.52	0.50	0.07	1.49						
YAG6CLTC38FXTZ	1			3/8	0.58	0.50	0.06	1.61						
YAG6CLTC12FXTZ	1			1/2	0.75	0.50	0.12	1.86						
YAG4CLTC14FXTZ	1	#4 AWG #4 Flex G,H,I,K,M DLO (105/24)	—	1/4	0.55	0.50	0.09	1.48	MY29 Series (1) Y122CMR (2) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2
YAG4CLTC516FXTZ	1			5/16	0.55	0.50	0.09	1.55						
YAG4CLTC38FXTZ	1			3/8	0.58	0.50	0.08	1.67						
YAG2CLTC14FXTZ	1	#2 AWG #2 Flex G,H,I,K,M DLO (150/24)	35	1/4	0.68	0.63	0.10	1.64	MY29 Series (1) Y122CMR (2) Y1MRTC (2) 881K Series (1) 644 Series (1) 444 Series (1)	W2CRT (1) W2CVT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAG2CLTC516FXTZ	1			5/16	0.68	0.63	0.10	1.70						
YAG2CLTC38FXTZ	1			3/8	0.68	0.63	0.10	1.83						
YAG2CLTC12FXTZ	1			1/2	0.73	0.63	0.09	2.12						
YAG1CLTC516FXTZ	1	#1 AWG #1 Flex G,H,I,K,M DLO (225/24)	—	5/16	0.75	0.69	0.12	1.73	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W1CVT (1) W1CRT (1) X1CRT (1)	U1CRT1 (1)	Green	11	11/16
YAG25LTC38FXTZ	1	1/0 AWG 1/0 Flex G,H,I,K,M DLO (275/24)	50	3/8	0.83	0.69	0.12	1.96	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/12
YAG25LTC12FXTZ	1			1/2	0.83	0.69	0.12	2.21						
YAG26LTC38FXTZ	1	2/0 AWG 2/0 Flex G,H,I,K,M DLO (325/24)	70	3/8	0.93	0.81	0.13	2.13	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAG26LTC516FXTZ	1			5/16	0.93	0.81	0.13	2.01						
YAG26LTC12FXTZ	1			1/2	0.93	0.81	0.13	2.38						
YAG27LTC14FXTZ	1	3/0 AWG 3/0 Flex G,H,I,K,M DLO (450/24)	95	1/4	1.03	1.00	0.14	2.18	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1
YAG27LTC38FXTZ	1			3/8	1.03	1.00	0.14	2.37						
YAG27LTC12FXTZ	1			1/2	1.03	1.00	0.14	2.62						

* Use PUADP1 adapter with U dies in 46 Series of tools

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor.

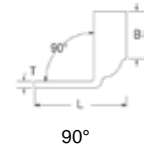
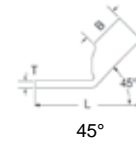
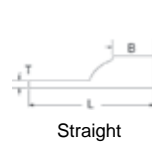
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Flex — One Hole
Standard Barrel, Tin-Zinc Plated — No Inspection Window

TYPE YAG-L-FXTZ (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Fig #	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length	
		AWG/ KCMIL	MM ² ***			(B)	(T)	(L)	Dieless	MD6, 500, 600 Series, OUR840, MD734R	35, 750, 46* Series	Color Code	Die Index		
YAG28LTC14FXTZ	1			1/4	1.14	1.03	0.15	2.26	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16	
YAG28LTC516FXTZ	1	4/0 AWG		5/16	1.14	1.03	0.15	2.32							
YAG28LTC516N66FXTZ	1	4/0 Flex		5/16	1.14	1.03	0.15	2.64							
YAG28LTC38FXTZ	1	G,H,I,K,M	120	3/8	1.14	1.03	0.15	2.45							
YAG28LTC12FXTZ	1	DLO		1/2	1.14	1.03	0.15	2.70							
YAG28LTC58FXTZ	1	(550/24)		5/8	1.14	1.03	0.15	2.95							
YAG29LTC516FXTZ	1	250 kcmil		—	5/16	1.18	1.03	0.16	2.33	81K Series (1) 644 Series (1) 444 Series (1)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAG29LTC38FXTZ	1	4/0 Flex			3/8	1.18	1.03	0.16	2.45						
YAG32LTC58FXTZ	1	300 kcmil	185	5/8	1.40	1.19	0.19	3.22	81K Series (1) 644 Series (1) 444 Series (1)	W31VT (2) W31RT (2)	U31RT (2)	Red	18	1-1/4	
YAG34LTC516FXTZ	1	G,H,I,K,M													
YAG34LTC516N66FXTZ	1	DLO 313													
YAG34LTC38FXTZ	1	(775/24)													
YAG34LTC516FXTZ	1	350 kcmil	240	5/16	1.55	1.27	0.23	2.78	81K Series (1) 644 Series (1) 444 Series (1)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19	1-5/16	
YAG34LTC516N66FXTZ	1	G,H,I,K,M													
YAG34LTC38FXTZ	1	DLO 373													
YAG34LTC12FXTZ	1	(925/24)													
YAG38LTC58FXTZ	1	500 kcmil	300	5/8	1.84	1.45	0.27	3.71	81K Series (1) 644 Series (1) 444 Series (1)	—	U38XRT (2)	Pink	L99	1-7/16	
		H,I,K													
YAG40LTC12FXTZ	1	550 kcmil	400	1/2	1.96	1.42	0.30	3.48	81K Series (1) 644 Series (1) 444 Series (1)	—	U39RT (2)	Black	24	1-5/16	
		G													
		650 kcmil													
		G													
		DLO 646													
		(1600/24)													

* Use PUADP1 adapter with U dies in 46 Series of tools

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

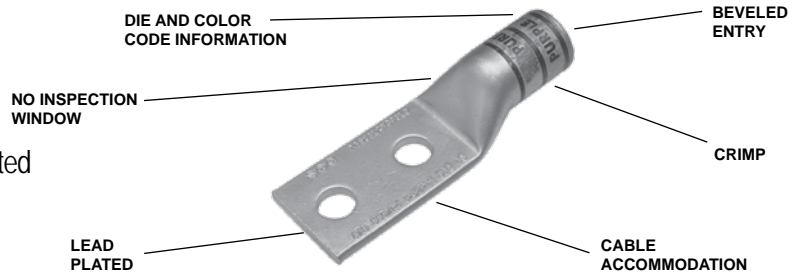
Note: All dimensions shown are for reference only.

TYPE YAG-2L-FXTZ

HYTIN-ZCLAD™

Uninsulated Copper Compression Terminal, Tin-Zinc Plated
UL Listed 90° C, Up to 35 kV ◆

45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175



Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Short/Standard length barrel is recommended for installations with limited space requirements
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Tin-Zinc plated for battery connectors or other heavy duty equipment, to reduce the corrosion from lead/acid batteries
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

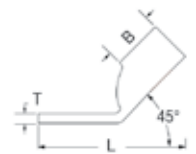


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

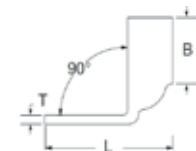
Straight



45°



90°



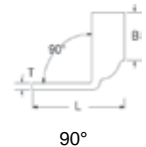
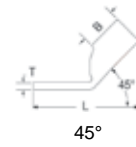
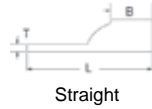
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Compression Connections

Copper Compression — Flex — Two Hole
Standard Barrel, Tin-Zinc Plated — No Inspection Window

TYPE YAG-2L-FXTZ (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Fig #	Conductor		Stud Hole Size	Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length
		AWG/ KCML	MM ² ***				(B)	(T)	(L)	Dieless	MD6, 500, 600 Series, OUR840, MD734R	35, 750, 46* Series	Color Code	Die Index	
YAG8CL2TC14FXTZ	1	#8 AWG #8 Flex G,H,I,K,M DLO (37/24) #6 SOL #8 SOL	10	1/4	5/8	0.44	0.44	0.08	1.95	MRC840 (1) MY29 Series (1) Y8MRB1 (1) Y122CMR (1) Y1MRTC (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16
YAG8CL2TC14E1FXTZ	1			1/4	1.00	0.44	0.44	0.08	2.33						
YAG6CL2TC14FXTZ	1	#6 AWG #6 Flex G,H,I,K,M DLO (61/24)	16	1/4	5/8	0.48	0.50	0.08	2.06	MY29 Series (1) Y122CMR (1) Y1MRTC (1) 81K Series (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2
YAG4CL2TC14FXTZ	1	#4 AWG #4 Flex G,H,I,K,M DLO (105/24)	—	1/4	5/8	0.55	0.50	0.09	2.11	MY29 Series (1) Y122CMR (2) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2
YAG2CL2TC14FXTZ	1	#2 AWG #2 Flex G,H,I,K,M DLO (150/24)	35	1/4	5/8	0.68	0.63	0.10	2.28	MY29 Series (1) Y122CMR (2) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAG2CL2NTCFXTZ	1			1/2	1-3/4	0.83	0.63	0.08	4.03						
YAG26L2NTCFXTZ	1	2/0 AWG 2/0 Flex G,H,I,K,M DLO (325/24)	70	1/2	1-3/4	0.93	0.81	0.13	4.33	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAG27L2NTCFXTZ	1	3/0 AWG 3/0 Flex G,H,I,K,M DLO (450/24)	95	1/2	1-3/4	1.03	1.00	0.14	4.56	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1
YAG28L2TC516FXTZ	1	4/0 AWG 4/0 Flex G,H,I,K,M DLO (550/24)	120	5/16	1.00	1.14	1.03	0.15	3.33	MY29 Series (1) 81K Series (1) 644 Series (1) 444 Series (1)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAG28L2TC38FXTZ	1			3/8	1.00	1.14	1.03	0.15	3.46						
YAG28L2NT38FXTZ	1			3/8	1.00	0.94	1.03	0.17	3.48						
YAG28L2TC38FXDITZ	1			3/8	1.00	1.14	1.03	0.15	3.46						
YAG28L2NTCFXTZ	1			1/2	1-3/4	1.14	1.03	0.15	4.65						

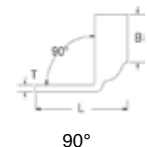
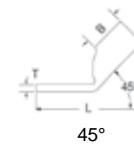
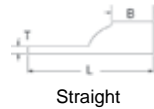
* Use PUADP1 adapter with U dies in 46 Series of tools

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPE YAG-2L-FXTZ (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Fig #	Conductor		Stud Hole Size	Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length
		AWG/ KCML	MM ² ***				(B)	(T)	(L)	Dieless	MD6, 500, 600 Series, OUR840, MD734R	35, 750, 46* Series	Color Code	Die Index	
YAG29L2TC38FXTZ	1	250 kcmil	—	3/8	1.00	1.18	1.03	0.16	3.43	81K Series (1) 644 Series (1) 444 Series (1)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAG29L2NT38FXTZ	1	4/0 Flex		3/8	1.00	0.94	1.03	0.16	3.48						
YAG29L2NT38FX90TZ	3	G,H,I,K,M		3/8	1.00	0.94	1.03	0.16	2.36						
YAG29L2NTCFXTZ	1	DLO 262 (550/24)		1/2	1-3/4	1.18	1.03	0.16	4.65						
YAG31L2NTC38FXTZ	1	250 kcmil I,K,M	150	3/8	1-3/4	1.29	1.06	0.18	3.54	81K Series (1) 644 Series (1) 444 Series (1)	W30VT (2) W30RT (2)	U30RT (2)	White	17	1-1/8
YAG34L2TC38FXTZ	1	DLO 262 (650/24)													
YAG34L2NTCFXTZ	1	350 kcmil G,H,I,K,M	240	1/2	1-3/4	1.55	1.27	0.23	5.11	81K Series (1) 644 Series (1) 444 Series (1)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19	1-5/16
YAG34L2NTCFXTZ	1	DLO 373 (925/24)													
YAG38L2TC12FXTZ	1	500 kcmil H,I,K	300	1/2	1-1/4	1.82	1.45	0.27	4.72	81K Series (1) 644 Series (1) 444 Series (1)	—	U38XRT (2)	Pink	20	1-3/8
YAG38L2NTCFXTZ	1	550 kcmil G,H,I													
YAG40L2NNTFXTZ	1	DLO 535 (325/24)	400	1/2	1-3/4	1.63	1.42	0.30	5.43	81K Series (2) 644 Series (1) 444 Series (1)	—	U39RT (2)	Black	24	1-5/16
YAG44L2TC38FXTZ	1	650 kcmil G													
YAG44L2NTCFXTZ	1	DLO 646 (1600/24)	500	1/2	1-3/4	2.18	1.65	0.33	5.80	81K Series (2) 644 Series (1) 444 Series (1)	—	U44XRT (2) P44XRT (2)	Yellow	L115	1-5/8
YAG44L2NTCFXTZ	1	750 kcmil G,H													
YAG44L2NTCFXTZ	1	DLO 777 (1925/24)													

* Use PUADP1 adapter with U dies in 46 Series of tools

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Code — Blank Tongue
Long Barrel — No Inspection Window

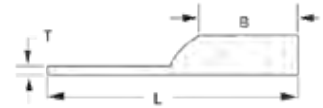
TYPES YA-2NU, YA-4NU

Blank Tongue HYLUG™



Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

The Blank Tongue line of copper code HYLUG™ terminals are designed to provide maximum field flexibility. Scored lines prevent the drill from walking when trying to drill in this area. This innovative design allows the installer to customize the tongue drilling to fit their specific application while maintaining UL Listing and CSA Certification.



Features & Benefits

- Manufactured from seamless high conductivity electrolytic copper tubing with heavy duty wall thickness
- Internally beveled barrel end
- Proper compression systems form a highly efficient electrical connection
- Dimples located at each end of the scored line represent the location of the NEMA standard hole spacing
- Scored line locates the center of the tongue and prevents the drill from walking when trying to drill in this area
- Offered a wide range of code conductor sizes
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Catalog Number	Conductor		Min. Bolt Hole**	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length	
	AWG	*** MM ²			B	T	L	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46" Series	Color Code		Die Index
YA8C2NU	#8 AWG #6 Sol #8 Sol #8 Weld 37/24	—	#10	0.83	0.81	0.12	4.08	Y1MRTC (2) Y122CMR (2) MY29 Series (1)	W8CRT (1) W8CVT (1) X8CRT (2)	W8CRT (1)	U8CRT (1) U8CRT (1)	Red	49	7/8
YA6C2NU	#6 AWG Sol/Str.	—	#10	0.83	1.12	0.12	4.40	Y1MRTC (2) Y122CMR (2) MY29 Series (1) MRC840 (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16
YA5C2NU	#5 AWG	16	—	0.83	1.12	0.12	4.43	MY29 Series (2) MRC840 (2) 81K Series (1)	W5CRT (2) W5CVT (2) X5CRT (2)	X5CRT (2) X5CVT (2) W5CRT (2)	U5CRT (2)	Blue	7	1-3/16
YA4C2NU	#4 AWG	—	#10	0.83	1.12	0.12	4.45	Y1MRTC (4) Y122CMR (4) MY29 Series (2) MRC840 (2)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16
YA3C2NU	#3 AWG #2 Sol.	25	1/4	0.83	1.25	0.12	4.62	644 Series (1) 444 Series (1) 81K Series (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16
YA2C2NU	#2 AWG	35	1/4	0.83	1.25	0.12	4.64	Y122CMR (4) Y1MRTC (4) MY29 Series (2) MRC840 (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16
YA1C2NU	#1 AWG	50	1/4	0.83	1.38	0.12	4.82	644 Series (1) 444 Series (1) 81K Series (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11	1-7/16

* Use PUADP1 adaptor with U dies in 46 Series

** Minimum bolt hole size must be maintained for UL & CSA

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† Requires Y60BHU HYPRESS™

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

TYPES YA-2NU, YA-4NU (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Conductor		Min. Bolt Hole**	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)						Wire Strip Length
	AWG	*** MM ²			B	T	L	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA252NU	1/0 AWG	—	1/4	0.83	1.38	0.11	4.81	MY29 Series (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12 or 348	1-7/16
YA262NU	2/0 AWG	70	1/4	0.83	1.50	0.12	4.97		W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YA272NU	3/0 AWG	—	1/4	0.91	1.50	0.13	5.01		W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16
YA282NU	4/0 AWG	—	1/4	1.02	1.62	0.14	5.17		W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YA292NU	250 kcmil	120	1/4	1.11	1.62	0.16	5.21	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	1-11/16
YA302NU	300 kcmil	150	1/4	1.20	2.00	0.16	5.64	644 Series (1) 444 Series (1) 81K Series (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17	2-1/16
YA312NU	350 kcmil	185	1/4	1.29	2.00	0.18	5.68		W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18	2-1/16
YA322NU	400 kcmil	—	3/8	1.40	2.12	0.19	5.85		W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16
YA342NU	500 kcmil	240	3/8	1.55	2.25	0.22	6.06	644 Series (1) 444 Series (1) 81K Series (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART (4)	Brown	20 or 299	2-5/16
YA362NU	600 kcmil	300	3/8	1.73	2.69	0.26	6.59	—	—	U36RT (4) U32ART (4)	Green	22 or 472	2-3/4	
YA392NU	750 kcmil	375	3/8	1.91	2.88	0.27	6.87	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U39RT (4) P39RT (4)	Black	24	2-15/16
YA402NU	800 kcmil	400	3/8	1.98	2.94	0.30	6.95		—	—	P40RT (4)	Orange	25	3
YA442NU	1000 kcmil	500	3/8	2.18	3.00	0.32	7.14		—	—	P44RT (4)	White	27	3-1/16

* Use PUADP1 adaptor with U dies in 46 Series

** Minimum bolt hole size must be maintained for UL & CSA

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† Requires 60 Ton Series HYPRESS™

Compression Connections

Copper Compression — Code — Blank Tongue
Long Barrel — No Inspection Window

TYPES YA-2NU, YA-4NU (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Conductor		Min. Bolt Hole**	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length	
	AWG	*** MM ²			B	T	L	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA452NU	1250 kcmil	—	3/8	2.46	3.19	0.38	7.44	—	—	—	P45RT (6)	Yellow	29	3-1/4
YA462NU	1500 kcmil	800	3/8	2.69	3.19	0.40	7.55	—	—	—	P46RT (6)	Green	31	3-1/4
YA472NU	1750 kcmil	—	3/8	2.90	3.44	0.42	7.89	—	—	—	—	Gray	33	3-1/2
YA482NU	2000 kcmil	1000	3/8	3.10	3.44	0.46	7.98	—	—	—	—	Brown	34	3-1/2
YA444NU	1000 kcmil	500	3/8	3.00	3.00	0.23	7.14	—	—	—	P44RT	White	27	3-1/16
YA454NU	1250 kcmil	—	3/8	3.00	3.19	0.30	7.44	—	—	—	P45RT	Yellow	29	3-1/4
YA464NU	1500 kcmil	800	3/8	3.00	3.19	0.34	7.55	—	—	—	P46RT	Green	31	3-1/4

* Use PUADP1 adaptor with U dies in 46 Series

** Minimum bolt hole size must be maintained for UL & CSA

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

† Requires 60 Ton HYPRESS™

TYPES YA-L2TC-SL, YAV-L2TC-FXSL

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

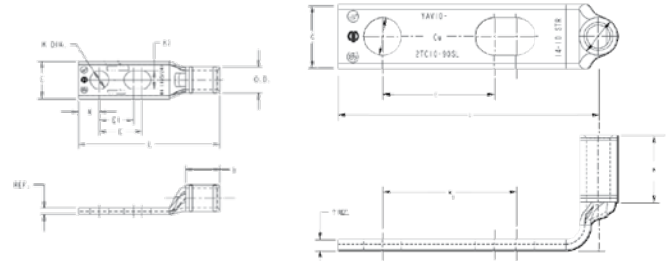


Compression slotted lugs connect copper or tinned copper conductors to bus bars, CPI racks, cabinets or cable runway. Slotted and 90° slotted lugs have one round and one oblong hole to match hole spacing on equipment mounting rails on CPI racks and cabinets and on some bus bars.

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Short/standard length barrel is recommended for installations with limited space requirements
- One hole with slotted second hole tongue/tang offers additional flexibility over a standard 2-hole tongue/tang as the slot provides the installer with multiple mounting hole alignments options. The 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



Catalog Number	Cond. Size	Stud Hole Size	Tongue Width	Figure Dimensions					Installation Tooling (# of crimps)					Wire Strip Length	
				(B)	(T)	(L)	(E)	(E1)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Color Code		Die Index
YA6CL2TC14E2SL	#6 AWG G,H,I,K,M DLO (61/24)	1/4	0.45	0.81	0.08	2.47	0.62	0.75	MY29 Series (1)	W5CRT (1) W5CVT (1) X5CRT (1) X8CART (1)	W5CRT (1) W5CVT (1)	U5CRT (1) U8CABT (1)	Blue	7 or 374	7/8
YAV6CL2TC10FX90SL*		#10	0.48	0.50	0.08	1.54	0.62	0.75	MY29 Series (1)	W5CRT (1) W5CVT (1) X5CRT (1) X8CART (1)	W5CRT (1) W5CVT (1)	U5CRT (1) U8CABT (1)	Blue	7 or 374	7/8
YAV4CL2TC14FXSL	#4 AWG G,H,I,K,M DLO (105/24)	1/4	0.55	0.50	0.09	2.08	0.50	0.62	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W4CRT (1) W4CVT (1) X4CRT (1)	W4CRT (1) W4CVT (1) X4CRT (1)	U4CRT (1)	Gray	8	9/16
YAV4CL2TC38FXSL		3/8	0.58	0.50	0.08	2.68	0.75	1.00		8	9/16				
YAV2CL2TC14FXSL	#2 AWG G,H,I,K,M DLO (150/24)	1/4	0.68	0.62	0.10	2.26	0.50	0.62	81K Series (1)	W2CRT (1) W2CVT (1) X2CRT (1)	W2CRT (1) W2CVT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAV2CL2TC38FXSL		3/8	0.68	0.62	0.10	2.82	0.75	1.0		10	11/16				
YA44L2NNTFXSL	750 kcmil G,H DLO 777 (1925/24)	5/8	1.63	1.65	0.33	5.74	1.58	1.75	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (2)	Yellow	L115	1-2/3

* Denotes 90° Angle

**Use PUADP1 adapter with U dies in 46 Series of tools

Note: All dimensions shown are for reference only.

TYPE YA-2TC-SL

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆

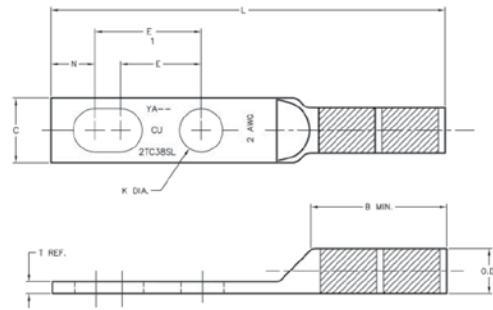
Compression slotted lugs connect copper or tinned copper conductors to bus bars, CPI racks, cabinets or cable runway. Slotted and 90° slotted lugs have one round and one oblong hole to match hole spacing on equipment mounting rails on CPI racks and cabinets and on some bus bars.



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- One hole with slotted second hole tongue/tang offers additional flexibility over a standard 2-hole tongue/tang as the slot provides the installer with multiple mounting hole alignments options. The 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Catalog Number	Wire Size	Stud Hole Size	Tongue Width	Figure Dimensions					Installation Tooling (# of crimps)					Wire Strip Length	
				(B)	(T)	(L)	(E)	(E1)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA6C2TC38SL	6 AWG	3/8	0.58	1.12	0.06	3.22	0.75	1	MY29 Series (1)	W5CRT (2) W5CVT (2)	W5CRT (2) W5CVT (2)	U8CABT (2)	Blue	7374	1-3/16
YA6C2TC38SLBOX500		3/8	0.58	1.12	0.06	3.22	0.75	1							
YA3C2TC38SL	3 AWG	3/8	0.58	1.25	0.08	3.43	0.75	1	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16
YA3C2TC38SLBOX500		3/8	0.58	1.25	0.08	3.43	0.75	1							
YA2C2TC38SL	2 AWG	3/8	0.60	1.25	0.11	3.42	0.75	1	MY29 Series (1) 644 Series (1) 444 Series (1)	W2CRT (2) W2CVT (2)	W2CRT (2) W2CVT (2)	U2CRT (2)	Brown	10	1-5/16
YA2C2TC38SLBOX500		3/8	0.60	1.25	0.11	3.42	0.75	1							

Note: All dimensions shown are for reference only.

*Use PUADP1 adapter with U dies in 46 Series of tools

TYPE YAZ-2TC-SL

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

Compression slotted lugs connect copper or tinned copper conductors to bus bars, CPI racks, cabinets or cable runway. Slotted and 90° slotted lugs have one round and one oblong hole to match hole spacing on equipment mounting rails on CPI racks and cabinets and on some bus bars.

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Long barrel allows for an increased number of crimps which will increase the mechanical strengths of the connection
- One hole with slotted second hole tongue/tang offers additional flexibility over a standard 2-hole tongue/tang as the slot provides the installer with multiple mounting hole alignments options. The 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

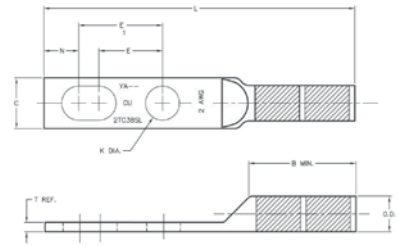


Fig. 1

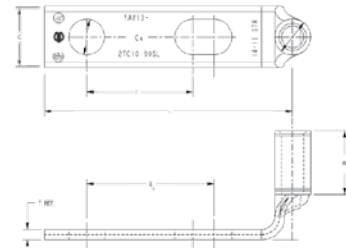


Fig. 2

Catalog Number	Wire Size	Stud Hole Size	Fig.	Tongue Width	Figure Dimensions					Installation Tooling (# of crimps)					Wire Strip Length	
					(B)	(T)	(L)	(E)	(E1)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Color Code		Die Index
YAZ8C2TC10SL	8 AWG	#10	1	0.41	0.75	0.08	2.21	0.62	0.75	MY29 Series (1)	W8CRT (2) W8CVT (2) X8CRT (2)	W8CRT (2)	U8CRT (2)	Red	49	13/16
YAZ8C2TC1090SL		#10		0.41	0.75	0.08	1.50	0.62	0.75							
YAZ3C2TC38SL	3 AWG	3/8	2	0.58	1.25	0.08	3.39	0.75	1	MY29 Series (1) 644 Series (1) 444 Series (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16
YAZ3C2TC38SLBOX500		3/8		0.58	1.25	0.08	3.43	0.75	1							15/16
YAZ2C2TC38SL	2 AWG	3/8	2	0.60	1.25	0.11	3.41	0.75	1	MY29 Series (1) 644 Series (1) 444 Series (1)	W2CRT (2) W2CVT (2)	W2CRT (2) W2CVT (2)	U2CRT (2)	Brown	10	1-5/16
YAZ2C2TC38SLBOX500		3/8		0.60	1.25	0.11	3.42	0.75	1							1-5/16

* Denotes 90° Angle

** Use PUADP1 adapter with U dies in 46 Series of tools

Note: All dimensions shown are for reference only.

TYPES YAV-2TC-SL, YAZV-2TC-FXSL

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

Compression slotted lugs connect copper or tinned copper conductors to bus bars, CPI racks, cabinets or cable runway. Slotted and 90° slotted lugs have one round and one oblong hole to match hole spacing on equipment mounting rails on CPI racks and cabinets and on some bus bars.



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Long barrel allows for an increased number of crimps which will increase the mechanical strengths of the connection
- One hole with slotted second hole tongue/tang offers additional flexibility over a standard 2-hole tongue/tang as the slot provides the installer with multiple mounting hole alignments options. The 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

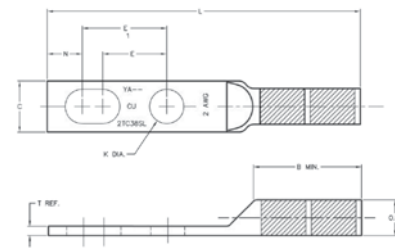


Fig. 1

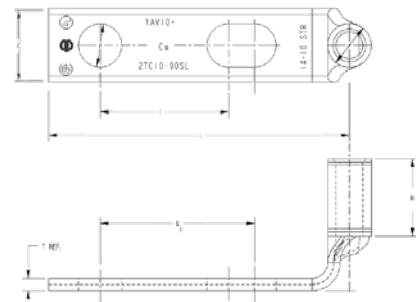


Fig. 2

TYPES YAV-2TC-SL, YAZV-2TC-FXSL (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Cond. Size	Stud Hole Size	Fig.	Tongue Width	Figure Dimensions					Installation Tooling (# of crimps)					Wire Strip Length	
					(B)	(T)	(L)	(E)	(E1)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Color Code		Die Index
YAZV102TC14SL	14- 10 AWG	1/4	2	0.41	0.69	0.05	2.28	0.62	0.75	Y8MRB1 (1)	—	—	—	—	—	3/4
YAV102TC1090SL*		#10	1	0.36	0.38	0.06	1.46	0.63	0.75								7/16
YAZV6C2TC38FXSLBOX500	#6 AWG G,H,I,K,M DLO (61/24)	3/8	1	0.58	1.12	0.08	3.22	0.63	1	MY29 Series (1)	W5CRT (2) W5CVT (2)	W5CRT (2) W5CVT (2)	U8CABT (2)	Blue	7 or 374	1-3/16
YAZV6C2TC38FXSL		3/8	1	0.58	1.12	0.08	3.22	0.63	1							
YAZV6C2TC14FXSLBOX500		1/4	1	0.58	1.12	0.08	3.22	0.63	1							
YAZV6C2TC14FXSL		1/4	1	0.58	1.12	0.08	3.22	0.63	1							
YAZV6C2TC10FX90SL		#10	1	0.48	0.75	0.08	1.50	0.75	1							
YAZV4C2TC14FXSL	#4 AWG G,H,I,K,M DLO (105/24)	1/4	1	0.55	1.25	0.09	2.95	0.63	1	MY29 Series (1) 644 Series (1) 444 Series (1) 81K Series (1)	W4CRT (2) W4CVT (2) X4CRT (2)	W4CRT (2) W4CVT (2) X4CRT (2)	U4CRT (2)	Gray	8 or 346	1-5/16
YAZV4C2TC14FXSLBOX500		1/4	1	0.55	1.25	0.09	2.95	0.63	1							
YAZV4C2TC38FXSL		3/8	1	0.55	1.25	0.09	2.95	0.63	1							
YAZV4C2TC38FXSLBOX500		3/8	1	0.55	1.25	0.09	2.95	0.63	1							
YAZV2C2TC14FXSL		#2 AWG	1/4	1	0.60	1.25	0.11	3.42	0.75								1	MY29 Series (1) 644 Series (1) 444 Series (1)	W2CRT (2) W2CVT (2)	W2CRT (2) W2CVT (2)	U2CRT (2)	Brown	10	1-9/16
YAZV2C2TC14FXSLBOX500	1/4	1	0.60	1.25	0.11	3.42	0.75	1								
YAZV2C2TC38FXSL	3/8	1	0.60	1.25	0.11	3.42	0.75	1								
YAZV2C2TC38FXSLBOX500	3/8	1	0.60	1.25	0.11	3.42	0.75	1								
YAZV252TC14FXSL	1/0 AWG	1/4	1	0.83	1.50	0.12	3.44	0.63	1	MY29 Series (1) 644 Series (1) 444 Series (1)	W25RT (4) W25VT (4) X25RT (4)	W25RT (4) W25VT (4) X25RT (4)	U25RT (2)	Pink	12	1-9/16
YAZV252TC14FXSLBOX500	1/4	1	0.83	1.50	0.12	3.44	0.63	1								
YAZV252TC38FXSL	3/8	2	0.83	1.50	0.12	3.44	0.63	1								
YAZV252TC38FXSLBOX500	3/8	2	0.83	1.50	0.12	3.44	0.63	1								
YAZV262TC14FXSL	2/0 AWG	1/4	1	0.93	1.50	0.13	3.58	0.63	1								MY29 Series (1) 644 Series (1) 444 Series (1)	W26RT (4) W26VT (4) X26RT (4)	W26RT (4) W26VT (4) X26RT (4)	U26RT (2)	Black	13	1-11/16
YAZV262TC14FXSLBOX500	1/4	1	0.93	1.50	0.13	3.58	0.63	1								
YAZV262TC38FXSL	3/8	1	0.93	1.50	0.13	3.58	0.63	1								
YAZV262TC38FXSLBOX500	3/8	1	0.93	1.50	0.13	3.58	0.63	1								
YAZV282TC14FXSL	4/0 AWG	1/4	1	1.14	1.62	0.15	3.64	0.63	1	MY29 Series (1) 644 Series (1) 444 Series (1)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZV282TC14FXSLBOX500	1/4	1	1.14	1.62	0.15	3.64	0.63	1								
YAZV282TC38FXSL	3/8	1	1.14	1.62	0.15	3.64	0.63	1								
YAZV282TC38FXSLBOX500	3/8	1	1.14	1.62	0.15	3.64	0.63	1								

* Denotes 90° Angle

** Use PUADP1 adapter with U dies in 46 Series of tools

Note: All dimensions shown are for reference only.

TYPES YA-L-4TC, YAV-L-4TC-FX

HYLUG™

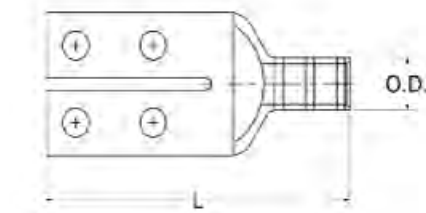
Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ◆



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Split feature in the tongue/tang is used when connecting two separate terminal blocks for the same phase; the slot provides the needed equipment gap while allowing the proper mounting hole alignment
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Short/standard length barrel is recommended for installations with limited space requirements
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPES YA-L-4TC, YAV-L-4TC-FX (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Wire Size	Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
					(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Color Code	Die Index	
YA25L4TCG1	1/0 AWG	1/4	0.62	1.38	0.88	0.11	3.05	MY29 Series (1) 644 Series (1) 444 Series (1)	X25RT (2) W25RT (2) W25VT (2)	X25RT (2) W25RT (2) W25VT (2)	U25RT (1) U2CABT (1)	Pink	12 or 348	15/16
YA26L4TCG1	2/0 AWG	1/4	0.62	1.38	0.94	0.21	3.15		X26RT (2) W26RT (2) W26VT (2)	X26RT (2) W26RT (2) W26VT (2)	U26RT (1) U26D1 (1)	Black	13	1
YA27L4TCG1	3/0 AWG	1/4	0.62	1.38	1.00	0.21	3.25		X27RT (3) W27RT (2) W27VT (2)	X27RT (3) W27RT (2) W27VT (2)	U27RT (1) U27D1 (1)	Orange	14	1-1/16
YA28L4TCG1	4/0 AWG	1/4	0.62	1.38	1.00	0.21	3.29		X28RT (3) W28RT (2) W28VT (2)	X28RT (3) W28RT (2) W28VT (2)	U28RT (1) U28D1 (1)	Purple	15	1-1/8
YAV28L4TCG1		1/4	0.62	1.38	1.00	0.21	3.29		X28RT (3) W28RT (2) W28VT (2)	X28RT (3) W28RT (2) W28VT (2)	U28RT (1)	Purple	15	11/16
YA29L4TCG1	250 kcmil	1/4	0.62	1.38	1.06	0.21	3.39		X29RT (4) W29RT (2) W29VT (2)	X29RT (4) W29RT (2) W29VT (2)	U29RT (1) U29D1 (1)	Yellow	16	1-1/8
YA31L4TCG1	350 kcmil	1/4	0.62	1.38	1.06	0.21	3.46		W31RT (2) W31VT (2)	W31RT (2) W31VT (2)	U31RT (2) U29ART (2)	Red	18 or 324	1-1/8
FLEX CONDUCTOR														
YAV2CL4TC14FXG1	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	1/4	0.62	1.38	0.62	0.11	2.84	MY2911 (1) 644 Series (1) 444 Series (1)	X2CRT (1) W2CRT (1) W2CVT (1)	X2CRT (1) W2CRT (1) W2CVT (1)	U2CRT (1)	Brown	10	11/16
YAV25L4TC14FXG1	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	1/4	0.62	1.38	0.69	0.21	2.90	MY29 Series (1) 644 Series (1) 444 Series (1)	X25RT (1) W25RT (1) W25VT (1)	X25RT (1) W25RT (1) W25VT (1)	U25RT (1)	Pink	12	13/16
YAV26L4TC14FXG1	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	1/4	0.62	1.38	0.81	0.21	3.07		X26RT (2) W26RT (2) W26VT (2)	X26RT (2) W26RT (2) W26VT (2)	U26RT (1)	Black	13	1-1/16
YAV27L4TC14FXG1	3/0 AWG G,H,I,K,M DLO (450/24) 3/0 AWG	1/4	0.62	1.38	1.00	0.21	3.30		X27RT (3) W27RT (2) W27VT (2)	X27RT (3) W27RT (2) W27VT (2)	U27RT (1)	Orange	14	1-1/16
YAV28L4TC14FXG1	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	1/4	0.62	1.38	1.00	0.21	3.38		X28RT (3) W28RT (2) W28VT (2)	X28RT (3) W28RT (2) W28VT (2)	U28RT (1)	Purple	15	11/16

** Use PUADP1 adapter with U dies in 46 Series of tools

Compression Connections

Copper Compression — Code / Flex — Split Tongue
Long Barrel — with Inspection Window

TYPES YA-4TC, YAV-4TC-FX

HYLUG™

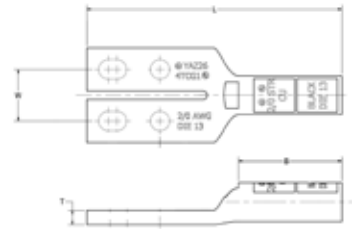
Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Split feature in the tongue/tang is used when connecting two separate terminal blocks for the same phase; the slot provides the needed equipment gap while allowing the proper mounting hole alignment
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Long barrel allows for an increased number of crimps which will increase the mechanical strengths of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Catalog Number	Wire Size	Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
					(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Color Code		Die Index
YAZ254TCG1	1/0 AWG	1/4	0.62	1.38	1.38	0.11	3.55	MY29 Series (1) 644 Series (1) 444 Series (1)	X25RT (1)	X25RT (1)	U25RT (2)	Pink	12 or 348	1-7/16
YAZ254TC38E1G1		3/8	1.00	1.63	1.38	0.11	3.93		W25RT (1)	W25RT (1)	U2CABT (2)			
YAZ264TC38E1G1		3/8	1.00	1.63	1.50	0.21	4.09		W25VT (1)	W25VT (1)	U26RT (2)			
YAZ264TCG1	2/0 AWG	1/4	0.62	1.38	1.50	0.21	3.71		X26RT (2)	X26RT (2)	U26RT (2)	Black	13	1-9/16
		3/8	1.00	1.63	1.50	0.21	3.71		W26RT (2)	W26RT (2)	U26D1 (2)			
		3/8	1.00	1.63	1.50	0.21	3.71		W26VT (2)	W26VT (2)	U28RT (1)			
YAZ284TCG1	4/0 AWG	1/4	0.62	1.38	1.62	0.21	3.91		X28RT (3)	X28RT (3)	U28RT (1)	Purple	15	1-11/16
									W28RT (2)	W28RT (2)				
									W28VT (2)	W28VT (2)				
YAZ294TCG1	250 kcmil	1/4	0.62	1.38	1.62	0.21	3.94		X29RT (4)	X29RT (4)	U29RT (2)	Yellow	16	1-11/16
									W29RT (2)	W29RT (2)	U29D1 (2)			
									W29VT (2)	W29VT (2)				
YAZ314TCG1	350 kcmil	1/4	0.62	1.38	2.00	0.21	4.39	W31RT (2)	W31RT (2)	U31D1 (2)	Red	18 or 324	2-1/16	
								W31VT (2)	W31VT (2)	U31RT (2)				
								W31VT (2)	W31VT (2)	U29ART (2)				

** Use PUADP1 adapter with U dies in 46 Series of tools

TYPE YA-E

E-LINE HYLUG™ Equipment Line



UL Listed 90° C, Up to 35 kV ♦

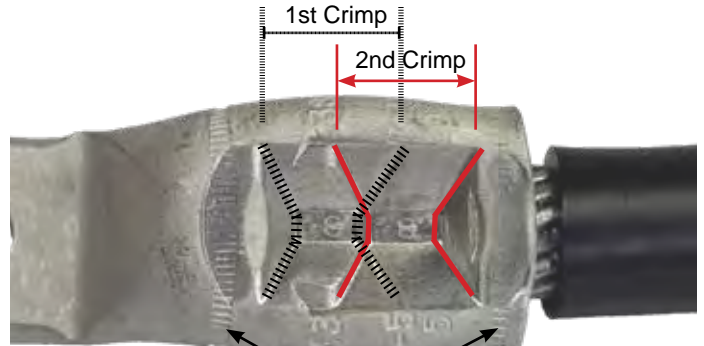
Type YA-E Equipment terminals are designed to provide replacements for original equipment mechanical or other compression terminals. These narrow tongue terminals are specially designed to fit in tight areas. Whether you're upgrading or replacing, YA-E connectors will provide for any of your cable termination needs. When installed with our dieless tool, these terminals can accommodate a range of conductor sizes.



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Features & Benefits

- Narrow tongue/tang is designed to allow for more parallel terminations of wire in limited space applications
- Terminals are available in copper or aluminum material
- Aluminum terminals accommodate both copper and aluminum wire
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire
- One or two-hole tongue/tang styles are available; 2-hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Overlap crimps should crimp the entire crimp zone
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



When overlapping crimps, ensure pyramid crimp shapes are within knurl marks.

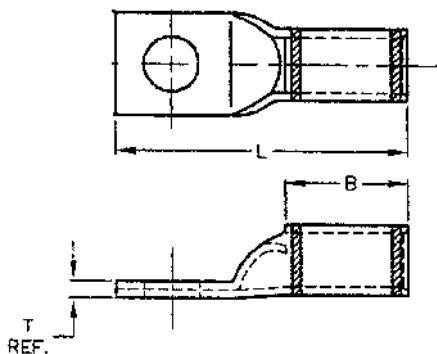


Fig. 1

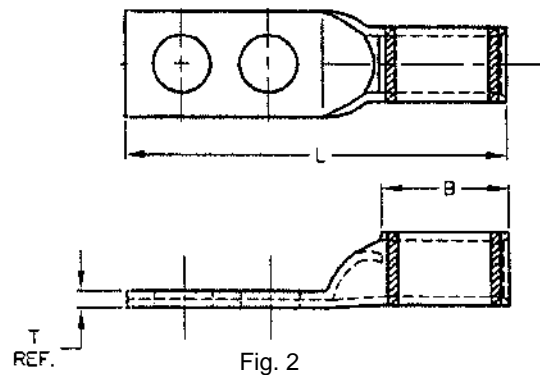


Fig. 2

Compression Connections

Copper / Aluminum — Code — One / Two Hole
Narrow Tongue, Standard Barrel

TYPE YA-E (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



COPPER E-LINE HYLUG™ COMPRESSION TERMINALS

Catalog Number	Fig. No.	Conductor Accommodations		Stud Hole Size	Stud Hole Spacing	Tongue Width (max)	Dimensions			† Installation Tooling					Wire Strip Length
		Copper Only					B	T	L	Dieless (# of crimps)	MD6, MD7 (# of crimps)	35, 750, 46* Series (# of crimps)	Color Code	Die Index	
		AWG/KCMIL	Expanded Wire Range using 644 / 444 Series												
YA25LN50T14E	1	1/0 AWG	#6 - 1/0 AWG	1/4	—	0.50	0.88	0.12	1.84	644 Series (1) 444 Series (1) 81K Series (1)	W25RT (2) W25VT (2)	U25RT (1) U2CABT (1)	Pink	12 or 348	15/16
YA25LN64T516E				5/16	—	0.64	0.88	0.12	1.96		W26RT (2) W26VT (2)	U26RT (1)	Black	13	1
YA26LN50T14E	1	2/0 AWG	#4 - 2/0 AWG	1/4	—	0.50	0.94	0.12	1.94	644 Series (1) 444 Series (1) 81K Series (2)	W30RT (2)	U30RT (2) U28ART (2)	White	17 or 298	1-1/16
YA30L24N100T38E	1	300 kcmil	2/0 AWG - 300 kcmil	3/8	—	1.00	1.03	0.16	2.44		U34RT (2) U31ART (2) P34RT (2)	Brown	20 or 299	1-5/16	
YA34L6N131T12E	1	500 kcmil	4/0 AWG - 500 kcmil	1/2	—	1.31	1.27	0.23	3.31	81K Series (2)	—	U39RT (2)	Black	24	1-1/2
YA342LNN119T12E	2			1/2	1.75	1.19	1.27	0.22	5.06						
YA342LNN131T12E	2			1/2	1.75	1.31	1.27	0.22	5.06						
YA39L6N131T12E	1	750 kcmil	500 - 750 kcmil	1/2	—	1.31	1.42	0.27	3.61	—	—	—	—	—	—
YA392LNN131T12E	2			1/2	1.75	1.31	1.42	0.27	5.37						

ALUMINUM E-LINE HYLUG™ COMPRESSION TERMINALS

Catalog Number	Fig. No.	Conductor Accommodations		Stud Hole Size	Stud Hole Spacing	Tongue Width (max)	Dimensions			† Installation Tooling					Wire Strip Length
		Aluminum	Copper or Aluminum				B	T	L	Dieless (# of crimps)	35, 750, 46* Series (# of crimps)	Color Code	Die Index		
		AWG/KCMIL	Expanded Wire Range using 644 / 444 Series												
YA8CA3S56T14E	1	#8 AWG	—	1/4	—	0.56	0.62	0.09	1.65	81K Series (1)	U8CABT (1)	Blue	374	11/16	
YA2CA5S53T14E	1	#2 AWG	#6 - #2 AWG	1/4	—	0.53	1.00	0.22	2.25	644 Series (1) 444 Series (1) 81K Series (1)	U2CABT (1)	Pink	348	1-3/16	
YA2CA1S91T516E				5/16	—	0.91	1.12	0.16	2.50						
YA25A1S60T516E	1	1/0 AWG	#1 - 1/0 AWG	5/16	—	0.63	1.00	0.21	2.29	—	U25ART (1)	Tan	296	1-1/8	
YA25A3N69T38E				3/8	—	0.69	1.05	0.21	2.38						

† A variety of BURNDY® installation tools are available and not all tools are listed. If you require additional tooling information, please feel free to call our customer service department for other recommendations.

* Use PUADP1 adapter with U dies in 46 Series, P-RT die sets for use in 46 Series only, PUADP1 adapter not required.

Note: All dimensions shown are for reference only.

**Overlap crimps when using U Dies, 644 or 444 Series Tools.

TYPE YA-E (Continued)



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



ALUMINUM E-LINE HYLUG™ COMPRESSION TERMINALS

Catalog Number	Fig. No.	Conductor Accommodations		Stud Hole Size	Stud Hole Spacing	Tongue Width (max)	Dimensions			† Installation Tooling				Wire Strip Length																	
		Aluminum AWG/KCMIL	Copper or Aluminum Expanded Wire Range using 644 / 444 Series				B	T	L	Dieless (# of crimps)	35, 750, 46* Series (# of crimps)	Color Code	Die Index																		
YA26A13N100T516E	1	2/0 AWG	#1 - 2/0 AWG	5/16	—	1.00	1.11	0.24	2.45	644 Series (1) 444 Series (1) 81K Series (2)	U26ART (2)	Olive	297	1-3/16																	
YA26A6N100T38E				3/8	—	1.00	1.11	0.24	2.53		U27ART (2)	Ruby	467	1-3/16																	
YA27A10S76T516E	1	3/0 AWG	#1 - 3/0 AWG	5/16	—	0.76	1.11	0.26	2.58		U28ART (2)	White	298	1-7/16																	
YA28A14N100T516E	1	4/0 AWG	1/0 - 4/0 AWG	3/8	—	1.00	1.39	0.30	2.85		644 Series (2) 444 Series (2) 81K Series (2)	U34ART (4)	Pink	300	1-11/16																
YA28A1N100T38E				5/16	—	1.00	1.39	0.30	2.94																						
YA30A9N100T516E	1	300 kcmil	2/0 AWG - 300 kcmil	5/16	—	1.00	1.53	0.36	3.12							U30ART (2)	Blue	470	1-5/8												
YA30A6N100T38E				3/8	—	1.00	1.53	0.36	3.20							U31ART (2)	Brown	299	1-7/8												
YA30A1N131T12E				1/2	—	1.31	1.53	0.35	3.57																						
YA31A11N100T516E	1	350 kcmil	3/0 AWG - 350 kcmil	5/16	—	1.00	1.85	0.39	3.51							644 Series (2) 444 Series (2) 81K Series (2)	U34ART (4)	Pink	300	1-15/16											
YA31A9N100T38E				3/8	—	1.00	1.85	0.39	3.59												U32ART (4)	Green	472	2-5/16							
YA32A8N106T516E	1	400 kcmil	4/0 AWG - 400 kcmil	5/16	—	1.06	2.26	0.43	3.92												644 Series (2) 444 Series (2) 81K Series (2)	U34ART (4)	Pink	300	1-15/16						
YA34A8N131T38E **	1	500 kcmil	4/0 AWG - 500 kcmil	3/8	—	1.31	1.64	0.35	3.88																						
YA34A7N131T12E **				1/2	—	1.31	1.64	0.35	3.88																						
YA34A3N131T12E **	2	600 kcmil	250 - 600 kcmil	1/2	1.75	1.31	1.64	0.39	5.71	644 Series (2) 444 Series (2) 81K Series (2)																U34ART (4)	Pink	300	1-11/16		
YA36A9N131TD12E **	1			600 kcmil	250 - 600 kcmil	1/2	—	1.31	1.64																					0.39	3.98
YA36A3N131TD38E **						3/8	—	1.31	1.64		0.39	5.32																			
YA36A3N131TD12E **	2			750 kcmil	500 - 900 @ kcmil Aluminum 500 kcmil Copper Only	1/2	1.75	1.31	1.64		0.39	5.71	644 Series (2) 444 Series (2) 81K Series (2)	U34ART (4)	Pink															300	1-15/16
YA39A1N131TD12E **	1					750 kcmil	500 - 900 @ kcmil Aluminum 500 kcmil Copper Only	1/2	—		1.31	1.86																				0.31	4.28
YA39A5N131TD12E **	2			750 kcmil	500 - 900 @ kcmil Aluminum 500 kcmil Copper Only			1/2	1.75		1.31	1.86																				0.31	6.09

† A variety of BURNDY® installation tools are available and not all tools are listed. If you require additional tooling information, please feel free to call our customer service department for other recommendations.

* Use PUADP1 adapter with U dies in 46 Series, P-RT die sets for use in 46 Series only, PUADP1 adapter not required.

Note: All dimensions shown are for reference only.

© 900 kcmil Aluminum must be Compact Stranding and use 644 or 444 Series Tools

**Overlap crimps when using U Dies, 644 or 444 Series Tools.

TYPE YAV-M

HYLUG™

Uninsulated Copper Compression Terminal
Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro-tin plated. Wire range is from 2.5 mm² to 630 mm² Class 2. Compatible to IEC61238-1.

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

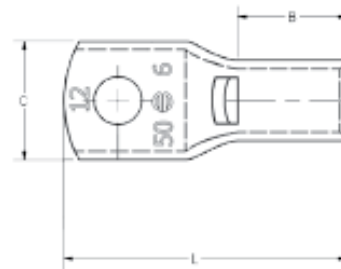
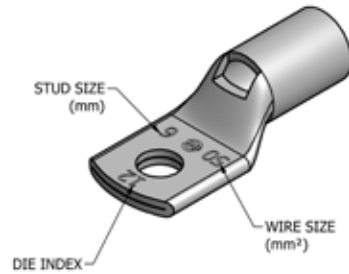
Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Short/standard length barrel is recommended for installation with limited space requirements
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Connectors are clearly marked with stamping
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

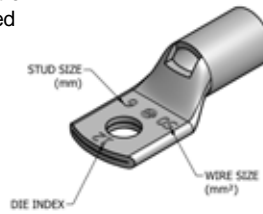
- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Electro-Tin
Plated



TYPE YAV-M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Copper		Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
	Wire Range mm ² (AWG)	Class		(B)	(C)	(L)	Tongue Thickness	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV025M3	1.5 - 2.5 (20 - 14)	2, 5	M3	6.7	7.9	19.1	1.0	Y10D (1) Y1022 (1) MR8G98 (1) MR89Q (1) Y8MRB1 (1) MR20 (1)	—	—	—	—	7
YAV025M4			M4	6.7	7.9	19.1	1.0						
YAV025M5			M5	6.7	7.9	19.1	1.0						
YAV025M6			M6	6.7	10.7	24.2	0.8						
YAV025M8			M8	6.7	11.0	24.2	0.8						
YAV06M35	4 - 6 (12 - 10)	2, 5	M3.5	10.5	7.6	23.7	1.8	—	—	—	—	11	
YAV06M4			M4	10.4	9.5	23.9	1.5						
YAV06M5			M5	10.4	9.5	23.9	1.5						
YAV06M6			M6	10.4	11.9	26.9	1.3						
YAV06M8			M8	10.4	13.5	28.7	1.0						
YAV06M10			M10	9.5	14.2	31.0	1.0						
YAV10M4	10 (8)	2, 5	M4	11.2	10.4	29.1	2.0	Y1MRTC (1) MY2911 (1) MRC840 (1) 81K Series (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	49	11
YAV10M5			M5	11.2	10.4	28.5	1.8						
YAV10M6			M6	11.2	1.0	31.0	1.8						
YAV10M8			M8	11.2	13.2	33.0	1.5						
YAV10M10			M10	11.2	14.5	33.0	1.3						
YAV10M12			M12	11.2	18.5	38.6	1.3						
YAV16M4	16 (6)	2, 5	M4	12.7	12.2	31.5	2.3	Y1MRTC (1) MY2911 (1) MRC840 (1) 81K Series (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	7	13
YAV16M5			M5	12.7	12.2	33.0	2.0						
YAV16M6			M6	12.7	12.2	33.0	2.0						
YAV16M8			M8	12.7	15.2	36.3	1.5						
YAV16M10			M10	12.7	14.7	40.9	1.5						
YAV16M12			M12	12.7	18.8	41.6	1.3						
YAV25M5	25 (4)	2, 5	M5	12.7	14.0	33.5	2.3	Y1MRTC (2) MY2911 (1) MRC840 (1) 644 Series (1) 444 Series (1) 81K Series (1)	W3CRT (1)	W3CRT (1)	U3CRT (1)	9	13
YAV25M6			M6	12.7	12.7	34.5	2.0						
YAV25M8			M8	12.7	16.0	37.6	2.0						
YAV25M10			M10	12.7	14.7	41.4	2.0						
YAV25M12			M12	12.7	18.5	42.7	1.5						
YAV35M5	35 (2)	2, 5	M5	16.0	17.3	38.1	2.5	—	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	10	17
YAV35M6			M6	11.7	17.3	43.7	2.5						
YAV35M8			M8	11.7	17.3	43.7	2.5						
YAV35M10			M10	11.7	17.3	45.9	2.5						
YAV35M12			M12	11.7	19.6	47.5	2.3						
YAV35M16	M16	11.7	21.1	58.7	3.0								
YAV50M5	50 (2)	2	M5	16.0	17.3	38.1	2.5	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	12	17
YAV50M6			M6	16.0	17.3	38.1	2.5						
YAV50M8			M8	16.0	17.3	42.9	2.5						
YAV50M10			M10	16.0	17.3	45.9	2.5						
YAV50M12			M12	16.0	18.5	52.3	2.5						
YAV50M14			M14	16.0	21.1	53.3	3.0						
YAV50M16	M16	16.0	25.9	58.7	3.6								

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

† P-RT Die sets for use in 46 Series tools only, PUADP1 Adaptor not required

Compression Connections

Copper Compression — Code — One Hole
Standard Barrel — Metric Lugs

TYPE YAV-M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Copper		Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
	Wire Range mm ² (AWG)	Class		(B)	(C)	(L)	Tongue Thickness	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV70M5	70 (1/0)	2	M5	17.5	21.1	41.4	3.0	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	13	19
YAV70M6			M6	17.5	21.1	44.5	3.0						
YAV70M8			M8	17.5	21.1	46.0	3.0						
YAV70M10			M10	17.5	21.1	49.3	3.0						
YAV70M12			M12	17.5	21.1	55.6	3.0						
YAV70M14			M14	17.5	22.4	56.6	2.8						
YAV70M16	M16	17.5	22.4	62.0	2.8								
YAV95M6	95 (2/0)	2	M6	20.6	23.6	45.8	3.3	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	14	22
YAV95M8			M8	20.6	23.6	50.3	3.3						
YAV95M10			M10	20.6	23.6	53.6	3.3						
YAV95M12			M12	20.6	23.6	59.9	3.3						
YAV95M14			M14	20.6	23.6	61.0	3.3						
YAV95M16			M16	20.6	23.6	66.3	3.3						
YAV95M20	M20	20.6	30.5	77.4	4.1								
YAV120M6	120 (4/0)	2	M6	26.2	29.0	53.6	3.8	644 Series (1) 444 Series (1) 81K Series (2)	W28VT (2) W28RT (2) X28RT (2)	W28VT (2) W28RT (2) X28RT (2)	U28RT (1)	15	27
YAV120M8			M8	26.2	29.0	58.2	3.8						
YAV120M10			M10	26.2	29.0	61.5	3.8						
YAV120M12			M12	26.2	29.0	67.8	3.8						
YAV120M14			M14	26.2	29.0	68.8	3.8						
YAV120M16			M16	26.2	29.0	74.2	3.8						
YAV120M20	M20	26.2	29.0	85.2	3.8								
YAV150M8	150 (300)	2	M8	26.2	30.5	58.7	4.1	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	17	27
YAV150M10			M10	26.2	30.5	62.0	4.1						
YAV150M12			M12	26.2	30.5	68.3	4.1						
YAV150M14			M14	26.2	30.5	69.2	4.1						
YAV150M16			M16	26.2	30.5	74.7	4.1						
YAV150M20			M20	26.2	30.5	85.7	4.1						
YAV185M8	185 (350)	2	M8	26.9	32.8	60.2	4.6	644 Series (1) 444 Series (1) 81K Series (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	18	29
YAV185M10			M10	26.9	32.8	63.5	4.3						
YAV185M12			M12	26.9	32.8	69.9	4.3						
YAV185M14			M14	26.9	32.8	70.8	4.6						
YAV185M16			M16	26.9	32.8	76.2	4.6						
YAV185M20			M20	26.9	32.8	87.3	4.6						
YAV240M10	240 (500)	2	M10	32.3	39.4	72.9	5.8	644 Series (1) 444 Series (1) 81K Series (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2)	20	33
YAV240M12			M12	32.3	39.4	80.2	5.6						
YAV240M14			M14	32.3	39.4	81.3	5.8						
YAV240M16			M16	32.3	39.4	85.6	5.8						
YAV240M20			M20	32.3	39.4	96.6	5.8						
YAV300M10			300 (600)	2	M10	35.1	44.2							77.2	6.9	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U36RT (2)	22	35
YAV300M12	M12	35.1			44.2	83.6	6.6						
YAV300M14	M14	35.1			44.2	84.6	6.9						
YAV300M16	M16	35.1			44.2	89.9	6.9						
YAV300M20	M20	35.1			44.2	100.9	6.9						

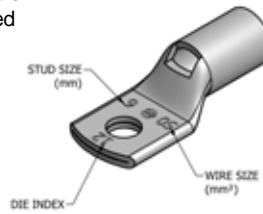
* Use equivalent AWG setting on tool for installation.

** PUADP1 Adaptor is required to use U Dies in 46 Series tools.

† P-RT Die sets for use in 46 Series only, PUADP1 Adaptor not required.

TYPE YAV-M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Copper		Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
	Wire Range mm ² (AWG)	Class		(B)	(C)	(L)	Tongue Thickness	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV400M12	400 (800)	2	M12	36.1	50.3	87.1	7.6	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U39RT (3)	24	37
YAV400M14			M14	36.1	50.3	88.1	7.6						
YAV400M16			M16	36.1	50.3	93.5	7.6						
YAV400M20			M20	36.1	50.3	104.5	7.6						
YAV500M12	500 (1000)	2	M12	41.9	55.6	96.2	8.1	—	—	U44XRT (3) •P44XRT (3)	L115	43	
YAV500M16			M16	41.9	55.6	102.6	8.4						
YAV500M20			M20	41.9	55.6	113.7	8.4						
YAV630M12	630 (1250)	2	M12	50.8	62.5	107.7	9.7	—	—	P45RT (3)	29	55	
YAV630M16			M16	50.8	62.5	114.0	9.7						
YAV630M20			M20	50.8	62.5	125.2	9.7						

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

• P-RT dies for 46 Series Tooling only

TYPE YALB-M

HYLUG™

Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro-tin plated. Wire range is from 2.5 mm² to 630 mm² Class 2. Compatible to IEC61238-1.

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

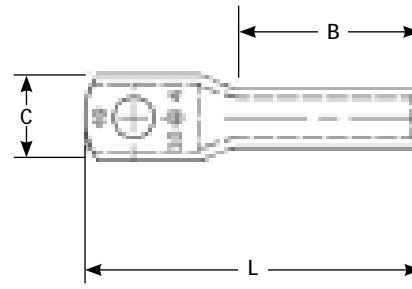
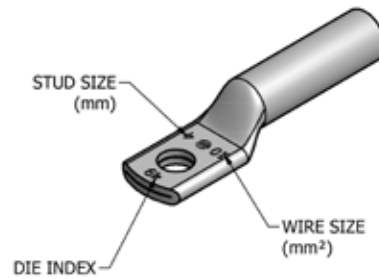
Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

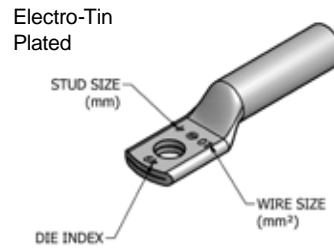
- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Electro-Tin
Plated



TYPE YALB-M (Continued)

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Wire Range (MM²)	Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YALB10M4	10	M4	2.3	20.6	9.7	38.1	Y1MRTC (2) MY2911 (1) MRC840 (2) 81K Series (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	49	22
YALB10M5		M5	2	20.6	10.4	39.9						
YALB10M6		M6	2	20.6	11.2	42.9						
YALB10M8		M8	1.5	20.6	13.2	44.5						
YALB10M10		M10	1.5	20.6	14.7	47.8						
YALB10M12		M12	3	20.6	21.1	58.9						
YALB16M4	16	M4	2	28.4	11.4	47.2	Y1MRTC (2) MY2911 (2) MRC840 (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	7	30
YALB16M5		M5	2	28.4	11.4	48.8						
YALB16M6		M6	2	28.4	12.2	51.8						
YALB16M8		M8	1.8	28.4	13.2	53.6						
YALB16M10		M10	1.5	28.4	14.7	59.2						
YALB16M12		M12	3	28.4	19.1	63.0						
YALB25M5	25	M5	2.3	31.8	14	53.6	Y1MRTC (2) MY2911 (2) MRC840 (2) 81K Series (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	9	33
YALB25M6		M6	2.3	31.8	14	56.6						
YALB25M8		M8	2.3	31.8	14	58.4						
YALB25M10		M10	2	31.8	14.7	61.5						
YALB25M12		M12	3	31.8	21.1	67.8						
YALB35M5		35	M5	2.5	35.1	17.3							57.7	Y1MRTC (4) MY2911 (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	10	37
YALB35M6	M6		2.5	35.1	17.3	60.7						
YALB35M8	M8		2.5	35.1	17.3	62.2						
YALB35M10	M10		2.5	35.1	17.3	65.5						
YALB35M12	M12		3	35.1	21.1	71.9						
YALB50M6	50		M6	2.5	35.1	17.3	60.7	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	12	40
YALB50M8		M8	2.5	35.1	17.3	62.2						
YALB50M10		M10	2.5	35.1	17.3	65.5						
YALB50M12		M12	3	35.1	21.1	71.9						
YALB50M14		M14	3	35.1	21.1	72.9						
YALB50M16		M16	3	35.1	21.1	78.2						
YALB70M6	70	M6	3	38.1	21.1	65.5	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	13	40
YALB70M8		M8	3	38.1	21.1	67.3						
YALB70M10		M10	3	38.1	21.1	70.4						
YALB70M12		M12	3	38.1	21.1	76.7						
YALB70M14		M14	3	38.1	21.1	77.7						
YALB70M16		M16	3	38.1	21.1	86.4						
YALB95M8	95	M8	3.3	38.1	23.6	68.6	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4) W27RT (4) X27RT (4)	W27VT (4) W27RT (4) X27RT (4)	U27RT (2)	14	40
YALB95M10		M10	3.3	38.1	23.6	71.6						
YALB95M12		M12	3.3	38.1	23.6	78						
YALB95M14		M14	3.3	38.1	23.6	79						
YALB95M16		M16	3.3	38.1	23.6	84.3						
YALB95M20		M20	4.1	38.1	30.5	95.5						

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

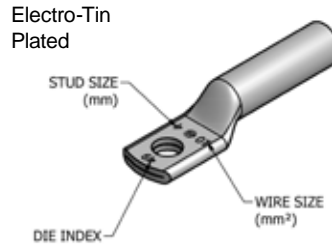
- P-RT dies for 46 Series Tooling only

Compression Connections

Copper Compression — Code — One Hole
Long Barrel — Metric Lugs

TYPE YALB-M (Continued)

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Catalog Number	Wire Range (MM²)	Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YALB120M8	120	M8	3.6	41.1	29	73.9	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	15	43
YALB120M10		M10	3.6	41.1	29	77.2						
YALB120M12		M12	3.6	41.1	29	83.6						
YALB120M14		M14	3.6	41.1	29	84.6						
YALB120M16		M16	3.6	41.1	29	89.9						
YALB120M20		M20	4.3	41.1	30.5	101.1						
YALB150M8	150	M8	4.1	50.8	30.5	84.1	644 Series (1) 444 Series (1) 81K Series (3)	W30VT (4)	W30VT (4)	U30RT (4)	17	52
YALB150M10		M10	4.1	50.8	30.5	87.4						
YALB150M12		M12	4.1	50.8	30.5	93.7						
YALB150M14		M14	4.1	50.8	30.5	94.7						
YALB150M16		M16	4.1	50.8	30.5	100.1						
YALB150M20		M20	4.1	50.8	30.5	111.3						
YALB185M8	185	M8	4.3	50.8	32.8	85.1	644 Series (1) 444 Series (1) 81K Series (3)	W31VT (4)	W31VT (4)	U31RT (4)	18	52
YALB185M10		M10	4.3	50.8	32.8	88.4						
YALB185M12		M12	4.3	50.8	32.8	94.7						
YALB185M14		M14	4.3	50.8	32.8	95.3						
YALB185M16		M16	4.3	50.8	32.8	101.1						
YALB185M20		M20	4.3	50.8	32.8	112.3						
YALB240M10	240	M10	5.6	57.2	39.4	98	644 Series (1) 444 Series (1) 81K Series (4)	W34VT (4)	W34VT (4)	U34RT (4)	20	59
YALB240M12		M12	5.6	57.2	39.4	105.2						
YALB240M14		M14	5.6	57.2	39.4	106.2						
YALB240M16		M16	5.6	57.2	39.4	111.3						
YALB240M20		M20	5.6	57.2	39.4	122.4						
YALB300M10	300	M10	6.6	68.3	44.2	111.8	644 Series (1) 444 Series (1) 81K Series (4)	—	—	U36RT (4)	22	70
YALB300M12		M12	6.6	68.3	44.2	118.1						
YALB300M14		M14	6.6	68.3	44.2	119.1						
YALB300M16		M16	6.6	68.3	44.2	124.5						
YALB300M20		M20	6.6	68.3	44.2	135.4						
YALB400M12	400	M12	7.6	74.7	50.3	127	—	—	—	U39RT (4)	24	76
YALB400M14		M14	7.6	74.7	50.3	128						
YALB400M16		M16	7.6	74.7	50.3	133.4						
YALB400M20		M20	7.6	74.7	50.3	144.3						
YALB500M12	500	M12	8.1	76.2	55.6	132.1	—	—	—	U44XRT (4) P44XRT (4)	L115	78
YALB500M16		M16	8.1	76.2	55.6	138.4						
YALB500M20		M20	8.1	76.2	55.6	149.4						
YALB630M12	630	M12	9.7	81	62.5	139.4	—	—	—	P45RT (6)	29	83
YALB630M16		M16	9.7	81	62.5	145.8						
YALB630M20		M20	9.7	81	62.5	157						

* Use equivalent AWG setting on tool for installation.

** PUADP1 Adaptor is required to use U Dies in 46 Series tools.

† P-RT Die sets for use in 46 Series only, PUADP1 Adaptor not required.

TYPE YAV-2M

HYLUG™

Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro-tin plated. Wire range is from 2.5 mm² to 630 mm² Class 2. Compatible to IEC61238-1.

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

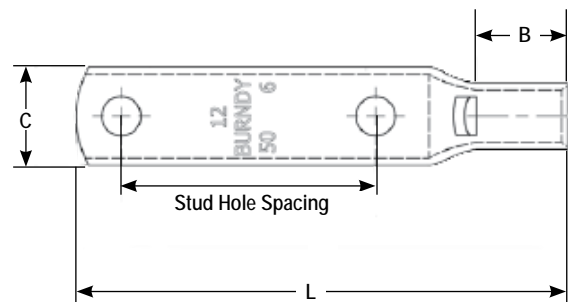
Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug; not recommended in highly corrosive environments as the wire in the barrel is exposed to corrosive elements installed
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Short/standard length barrel is recommended for installations with limited space requirements and meet the exact UL testing requirements as long barrel connectors so performance of the connection is not compromised
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Connectors are clearly marked with stamping
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Electro-Tin
Plated



Compression Connections

Copper Compression — Code — Two Hole
Standard Barrel — Metric Lugs

TYPE YAV-2M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)
				Tongue Width	(B)	(C)	(L)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV0252M3	2.5	M3	25.4	1	170.2	200.7	44.7	Y10D (1)	—	—	—	—	7
YAV0252M4		M4	25.4	1	170.2	200.7	44.7	Y1022 (1)					
YAV0252M5		M5	25.4	1	170.2	200.7	44.7	MR8G98 (1)					
YAV0252M6		M6	25.4	0.8	170.2	271.8	49.8	MR89Q (1)					
YAV0252M8		M8	25.4	0.8	170.2	279.4	49.8	Y8MRB1 (1)					
YAV062M4	6	M4	25.4	1.5	264.2	241.3	49.5	Y10D (1)	—	—	—	—	11
YAV062M5		M5	25.4	1.5	264.2	241.3	49.5	Y1022 (1)					
YAV062M6		M6	25.4	1.3	264.2	302.3	52.6	MR8G98 (1)					
YAV062M8		M8	25.4	1	264.2	342.9	53.3	MR89Q (1)					
YAV062M10		M10	25.4	1	302.3	360.7	54.6	Y8MRB1 (1)					
YAV102M4	10	M4	44.5	0	284.5	264.2	73.4	Y1MRTC (1)	W8CVT (1)	W8CVT (1)	U8CRT (1)	49	11
YAV102M5		M5	44.5	0	284.5	264.2	74.9						
YAV102M6		M6	44.5	0	284.5	297.2	78.2						
YAV102M8		M8	44.5	0	284.5	335.3	79.8						
YAV102M10		M10	44.5	0	284.5	348	83.1						
YAV102M12	M12	44.5	0	284.5	469.9	89.4	81K Series (1)	X8CRT (1)	X8CRT (1)				
YAV162M4	16	M4	44.5	2	322.6	309.9	76.2	Y1MRTC (1)	W5CVT (1)	W5CVT (1)	U5CRT (1)	7	13
YAV162M5		M5	44.5	2	322.6	309.9	77.7						
YAV162M6		M6	44.5	2	322.6	309.9	80.8						
YAV162M8		M8	44.5	1.5	322.6	386.1	82.6						
YAV162M10		M10	44.5	1.5	322.6	373.4	85.6						
YAV162M12	M12	44.5	1.3	322.6	477.5	91.9	81K Series (1)	X5CRT (1)	X5CRT (1)				
YAV252M5	25	M5	44.5	2	322.6	355.6	78.2	Y1MRTC (2)	W3CRT (1)	W3CRT (1)	U3CRT (1)	9	13
YAV252M6		M6	44.5	2	322.6	322.6	81.3						
YAV252M8		M8	44.5	2	322.6	406.4	83.1						
YAV252M10		M10	44.5	2	322.6	373.4	86.1						
YAV252M12		M12	44.5	1.5	322.6	469.9	92.5						
YAV352M5	35	M5	44.5	2.5	406.4	439.4	85.9	Y1MRTC (2)	W2CVT (1)	W2CVT (1)	U2CRT (1)	10	17
YAV352M6		M6	44.5	2.5	406.4	439.4	87.6						
YAV352M8		M8	44.5	2.5	406.4	439.4	90.7						
YAV352M10		M10	44.5	2.5	406.4	439.4	90.7						
YAV352M12		M12	44.5	2.5	406.4	439.4	97						
YAV502M6	50	M6	44.5	2.5	406.4	439.4	85.9	MY2911 (1)	W25VT (2)	W25VT (2)	U25RT (1)	12	17
YAV502M8		M8	44.5	2.5	406.4	439.4	87.6						
YAV502M10		M10	44.5	2.5	406.4	439.4	90.7						
YAV502M12		M12	44.5	2.5	406.4	469.9	97						
YAV502M14		M14	44.5	3	406.4	535.9	98						
YAV502M16	M16	44.5	3	406.4	657.9	103.4	81K Series (1)	X25RT (2)	X25RT (2)				
YAV702M6	70	M6	44.5	3	444.5	535.9	89.2	MY2911 (1)	W26VT (2)	W26VT (2)	U26RT (1)	13	19
YAV702M8		M8	44.5	3	444.5	535.9	90.7						
YAV702M10		M10	44.5	3	444.5	535.9	94						
YAV702M12		M12	44.5	3	444.5	535.9	100.3						
YAV702M14		M14	44.5	2.8	444.5	569	101.3						
YAV702M16	M16	44.5	2.8	444.5	569	106.7	81K Series (1)	X26RT (2)	X26RT (2)				

* Use equivalent AWG setting on tool for installation.

** PUADP1 Adaptor is required to use U Dies in 46 Series tools.

† P-RT Die sets for use in 46 Series only, PUADP1 Adaptor not required.

TYPE YAV-2M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)
				Tongue Width	(B)	(C)	(L)	Dieless	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV952M8	95	M8	44.5	3.3	523.2	599.4	95	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	14	22
YAV952M10		M10	44.5	3.3	523.2	599.4	98.3						
YAV952M12		M12	44.5	3.3	523.2	599.4	104.6						
YAV952M14		M14	44.5	3.3	523.2	599.4	105.7						
YAV952M16		M16	44.5	3.3	523.2	599.4	111						
YAV952M20		M20	44.5	4.1	523.2	774.7	122.2						
YAV1202M8	120	M8	44.5	3.6	665.5	736.6	102.9	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (3) W28RT (3) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	15	27
YAV1202M10		M10	44.5	3.6	665.5	736.6	106.2						
YAV1202M12		M12	44.5	3.8	665.5	736.6	112.5						
YAV1202M14		M14	44.5	3.6	665.5	736.6	113.5						
YAV1202M16		M16	44.5	3.6	665.5	736.6	118.9						
YAV1202M20		M20	44.5	4.3	665.5	736.6	130						
YAV1502M8	150	M8	44.5	4.1	665.5	774.7	103.4	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	17	27
YAV1502M10		M10	44.5	4.1	665.5	774.7	106.7						
YAV1502M12		M12	44.5	4.1	665.5	774.7	113						
YAV1502M14		M14	44.5	4.1	665.5	774.7	114						
YAV1502M16		M16	44.5	4.1	665.5	774.7	119.4						
YAV1502M20		M20	44.5	4.1	665.5	774.7	130.3						
YAV1852M8	185	M8	44.5	4.3	683.3	833.1	104.9	644 Series (1) 444 Series (1) 81K Series (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	18	29
YAV1852M10		M10	44.5	4.3	683.3	833.1	108.2						
YAV1852M12		M12	44.5	4.3	683.3	833.1	114.6						
YAV1852M14		M14	44.5	4.3	683.3	833.1	115.6						
YAV1852M16		M16	44.5	4.3	683.3	833.1	120.9						
YAV1852M20		M20	44.5	4.3	683.3	833.1	132.1						
YAV2402M10	240	M10	44.5	5.6	820.4	1000.8	117.6	644 Series (1) 444 Series (1) 81K Series (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2)	20	33
YAV2402M12		M12	44.5	5.6	820.4	1000.8	125						
YAV2402M14		M14	44.5	5.6	820.4	1000.8	125						
YAV2402M16		M16	44.5	5.6	820.4	1000.8	130.3						
YAV2402M20		M20	44.5	5.6	820.4	1000.8	141.2						
YAV3002M10	300	M10	44.5	6.6	175.3	1122.7	121.9	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U36RT (2)	22	35
YAV3002M12		M12	44.5	6.6	167.6	1122.7	128.3						
YAV3002M14		M14	44.5	6.6	175.3	1122.7	129						
YAV3002M16		M16	44.5	6.6	175.3	1122.7	134.6						
YAV3002M20		M20	44.5	6.6	175.3	1122.7	145.5						
YAV4002M14	400	M14	44.5	7.6	193	1277.6	132.8	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U39RT (3)	24	37
YAV4002M16		M16	44.5	7.6	193	1277.6	138.2						
YAV4002M20		M20	44.5	7.6	193	1277.6	149.4						
YAV5002M16	500	M16	44.5	8.1	205.7	1412.2	147.3	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (3) † P44XRT (3)	L115	43
YAV5002M20		M20	44.5	8.1	205.7	1412.2	158.5						
YAV6302M16	630	M16	44.5	9.7	246.4	1587.5	158.8	644 Series (1) 444 Series (1) 81K Series (2)	—	—	† P45RT (3)	29	55
YAV6302M20		M20	44.5	9.7	246.4	1587.5	169.9						

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

• P-RT dies for 46 Series Tooling only

TYPE YALB-2M

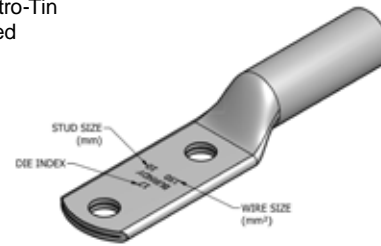
HYLUG™

Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro-tin plated. Wire range is from 10 mm² to 630 mm² Class 2. Compatible to IEC61238-1.

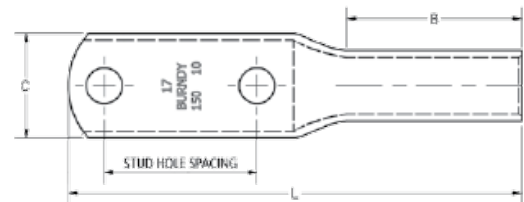
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Electro-Tin
Plated



Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Connectors are clearly marked with stamping
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

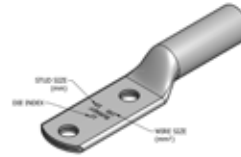


Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPE YALB-2M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)
				Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YALB102M4	10	M4	44.5	2.3	20.6	9.9	82.6	Y1MRTC (2) MY2911 (1) MRC840 (2) 81K Series (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	49	22
YALB102M5		M5	44.5	2.0	20.6	10.4	84.3						
YALB102M6		M6	44.5	2.0	20.6	11.2	87.4						
YALB102M8		M8	44.5	1.5	20.6	13.2	88.9						
YALB102M10		M10	44.5	1.5	20.6	14.7	92.2						
YALB102M12		M12	44.5	3.0	20.6	21.1	103.4						
YALB162M4	16	M4	44.5	2.3	28.4	11.4	91.7	Y1MRTC (2) MY2911 (2) MRC840 (2) 81K Series (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	7	30
YALB162M5		M5	44.5	2.3	28.4	11.4	93.2						
YALB162M6		M6	44.5	2.0	28.4	12.2	96.5						
YALB162M8		M8	44.5	1.8	28.4	13.2	98.0						
YALB162M10		M10	44.5	1.5	28.4	14.7	103.6						
YALB162M12		M12	44.5	3.0	28.4	19.1	107.7						
YALB252M5	25	M5	44.5	2.3	31.8	14.0	98.0	81K Series (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	9	33
YALB252M6		M6	44.5	2.3	31.8	14.0	101.1						
YALB252M8		M8	44.5	2.3	31.8	14.0	102.9						
YALB252M10		M10	44.5	2.0	31.8	14.7	105.9						
YALB252M12		M12	44.5	3.0	31.8	21.1	112.5						
YALB352M5	35	M5	44.5	2.5	35.1	17.3	102.1	Y1MRTC (4) MY2911 (2) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	10	37
YALB352M6		M6	44.5	2.5	35.1	17.3	105.2						
YALB352M8		M8	44.5	2.5	35.1	17.3	106.8						
YALB352M10		M10	44.5	2.5	35.1	17.3	110.0						
YALB352M12		M12	44.5	3.0	35.1	21.1	116.4						
YALB502M6	50	M6	44.5	2.5	35.1	17.3	105.2	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	12	37
YALB502M8		M8	44.5	2.5	35.1	17.3	106.7						
YALB502M10		M10	44.5	2.5	35.1	17.3	110.0						
YALB502M12		M12	44.5	3.0	35.1	21.1	116.3						
YALB502M14		M14	44.5	3.0	35.1	21.1	117.3						
YALB502M16		M16	44.5	3.0	35.1	21.1	122.7						

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

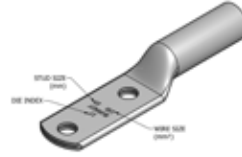
• P-RT dies for 46 Series Tooling only

Compression Connections

Copper Compression — Code — Two Hole
Long Barrel — Metric Lugs

TYPE YALB-2M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Stud Hole Spacing	Dimensions (mm)			Installation Tooling					Wire Strip Length (mm)	
				Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series		Die Index
YALB702M6	70	M6	44.5	3.0	38.1	21.1	110.0	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	13	40
YALB702M8		M8	44.5	3.0	38.1	21.1	111.8						
YALB702M10		M10	44.5	3.0	38.1	21.1	114.8						
YALB702M12		M12	44.5	3.0	38.1	21.1	121.4						
YALB702M14		M14	44.5	3.0	38.1	21.1	122.2						
YALB702M16		M16	44.5	3.0	38.1	21.1	130.8						
YALB952M8	95	M8	44.5	3.3	38.1	23.6	113.0		W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	14	40
YALB952M10		M10	44.5	3.3	38.1	23.6	116.1						
YALB952M12		M12	44.5	3.3	38.1	23.6	122.4						
YALB952M14		M14	44.5	3.3	38.1	23.6	123.4						
YALB952M16		M16	44.5	3.3	38.1	23.6	128.8						
YALB952M20		M20	44.5	4.1	38.1	30.5	140.0						
YALB1202M8	120	M8	44.5	3.8	41.1	29.0	118.6		W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	15	43
YALB1202M10		M10	44.5	3.8	41.1	29.0	124.1						
YALB1202M12		M12	44.5	3.8	41.1	29.0	128.0						
YALB1202M14		M14	44.5	3.8	41.1	29.0	129.0						
YALB1202M16		M16	44.5	3.8	41.1	29.0	134.4						
YALB1202M20		M20	44.5	4.3	41.1	30.5	145.5						
YALB1502M8	150	M8	44.5	4.1	50.8	30.5	128.8		W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	17	52
YALB1502M10		M10	44.5	4.1	50.8	30.5	131.8						
YALB1502M12		M12	44.5	4.1	50.8	30.5	138.2						
YALB1502M14		M14	44.5	4.1	50.8	30.5	139.2						
YALB1502M16		M16	44.5	4.1	50.8	30.5	145.3						
YALB1502M20		M20	44.5	4.1	50.8	30.5	156.2						
YALB1852M8	185	M8	44.5	4.3	50.8	32.8	129.8	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	18	52	
YALB1852M10		M10	44.5	4.3	50.8	32.8	132.8						
YALB1852M12		M12	44.5	4.3	50.8	32.8	139.2						
YALB1852M14		M14	44.5	4.3	50.8	32.8	139.7						
YALB1852M16		M16	44.5	4.3	50.8	32.8	145.5						
YALB1852M20		M20	44.5	4.3	50.8	32.8	156.7						

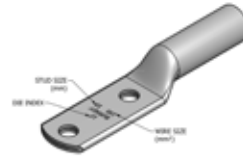
* Use equivalent AWG setting on tool for installation.

** PUADP1 Adaptor is required to use U Dies in 46 Series tools.

† P-RT Die sets for use in 46 Series only, PUADP1 Adaptor not required.

TYPE YALB-2M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)				
				Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index					
YALB2402M10	240	M10	44.5	5.6	57.2	39.4	142.5	644 Series (1) 444 Series (1) 81K Series (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4)	20	59				
YALB2402M12		M12	44.5	5.6	57.2	39.4	149.6										
YALB2402M14		M14	44.5	5.6	57.2	39.4	150.6										
YALB2402M16		M16	44.5	5.6	57.2	39.4	156.0										
YALB2402M20		M20	44.5	5.6	57.2	39.4	166.9										
YALB3002M10	300	M10	44.5	6.6	68.3	44.2	156.2		644 Series (1) 444 Series (1) 81K Series (4)	—	—	U36RT (4)	22	70			
YALB3002M12		M12	44.5	6.6	68.3	44.2	162.6										
YALB3002M14		M14	44.5	6.6	68.3	44.2	163.6										
YALB3002M16		M16	44.5	6.6	68.3	44.2	168.9										
YALB3002M20		M20	44.5	6.6	68.3	44.2	179.6										
YALB4002M12	400	M12	44.5	7.6	74.7	50.3	171.4					644 Series (1) 444 Series (1) 81K Series (4)	—	—	U39RT (4)	24	76
YALB4002M14		M14	44.5	7.6	74.7	50.3	172.5										
YALB4002M16		M16	44.5	7.6	74.7	50.3	177.8										
YALB4002M20		M20	44.5	7.6	74.7	50.3	189.0										
YALB5002M12	500	M12	44.5	8.1	76.2	55.6	176.5						644 Series (1) 444 Series (1) 81K Series (4)	—	—	U44XRT (4) †P44XRT (4)	L115	78
YALB5002M16		M16	44.5	8.1	76.2	55.6	182.9										
YALB5002M20		M20	44.5	8.1	76.2	55.6	194.1										
YALB6302M12	630	M12	44.5	9.7	81.0	62.5	183.9	644 Series (1) 444 Series (1) 81K Series (4)		—	—			† P45RT (6)	29	83	
YALB6302M16		M16	44.5	9.7	81.0	62.5	190.5										
YALB6302M20		M20	44.5	9.7	81.0	62.5	201.4										

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

• P-RT dies for 46 Series Tooling only

TYPE YAV-FM

HYLUG™

Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro-tin plated. Wire range is from 50 mm² to 630 mm² Class 5. Compatible to IEC61238-1.

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

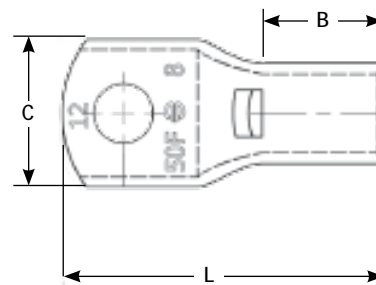
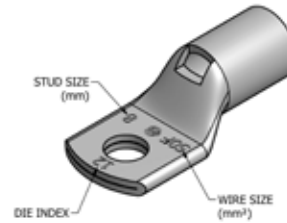
Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Short/standard length barrel is recommended for installations with limited space requirements
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Connectors are clearly marked with stamping

Accessories

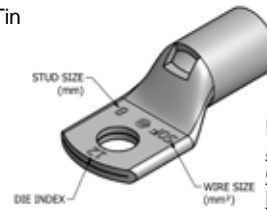
- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Electro-Tin
Plated



TYPE YAV-FM (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV50FM6	50	M6	3.0	17.5	21.1	46.0	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	12	19
YAV50FM8		M8	3.0	17.5	21.1	46.0						
YAV50FM10		M10	3.0	17.5	21.1	49.3						
YAV50FM12		M12	3.0	17.5	21.1	55.6						
YAV50FM14		M14	3.0	17.5	22.4	56.6						
YAV50FM16		M16	3.0	17.5	22.4	61.9						
YAV70FM6	70	M6	3.3	20.6	23.6	49.0	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	13	22
YAV70FM8		M8	3.3	20.6	23.6	50.3						
YAV70FM10		M10	3.3	20.6	23.6	54.0						
YAV70FM12		M12	3.3	20.6	23.6	60.0						
YAV70FM14		M14	3.3	20.6	23.6	61.0						
YAV70FM16		M16	3.3	20.6	23.6	66.3						
YAV95FM8	95	M8	3.6	25.4	26.2	56.0	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	14	27
YAV95FM10		M10	3.6	25.4	26.2	59.0						
YAV95FM12		M12	3.6	25.4	26.2	66.0						
YAV95FM14		M14	3.6	25.4	26.2	66.8						
YAV95FM16		M16	3.6	25.4	26.2	72.1						
YAV95FM20		M20	3.6	25.4	26.2	83.2						
YAV120FM8	120	M8	3.8	26.2	29.0	58.2	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	15	27
YAV120FM10		M10	3.8	26.2	29.0	61.0						
YAV120FM12		M12	3.8	26.2	29.0	68.0						
YAV120FM14		M14	3.8	26.2	29.0	68.8						
YAV120FM16		M16	3.8	26.2	29.0	74.1						
YAV120FM20		M20	3.8	26.2	29.0	85.2						
YAV150FM8	150	M8	4.6	26.9	32.8	60.2	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	17	29
YAV150FM10		M10	4.6	26.9	32.8	64.0						
YAV150FM12		M12	4.6	26.9	32.8	70.0						
YAV150FM14		M14	4.6	26.9	32.8	70.8						
YAV150FM16		M16	4.6	26.9	32.8	76.0						
YAV150FM20		M20	4.6	26.9	32.8	87.3						

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 SERIES

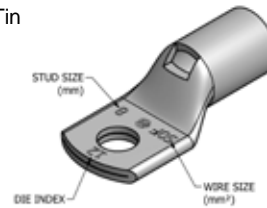
- P-RT dies for 46 Series Tooling only

Compression Connections

Copper Compression — Flex — One Hole
Standard Barrel — Metric Lugs

TYPE YAV-FM (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV185FM8	185	M8	5.0	30.2	35.6	64.8	644 Series (1) 444 Series (1) 81K Series (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	18	29
YAV185FM10		M10	5.0	30.2	35.6	68.0						
YAV185FM12		M12	5.0	30.2	35.6	74.0						
YAV185FM14		M14	5.0	30.2	35.6	75.4						
YAV185FM16		M16	5.0	30.2	35.6	81.0						
YAV185FM20		M20	5.0	30.2	35.6	91.8						
YAV240FM10	240	M10	5.8	32.3	39.4	72.9	644 Series (1) 444 Series (1) 81K Series (2)	W34VT (2)	W34VT (2) W34VT (2)	U34RT (2)	20	33
YAV240FM12		M12	5.8	32.3	39.4	79.0						
YAV240FM14		M14	5.8	32.3	39.4	80.2						
YAV240FM16		M16	5.8	32.3	39.4	85.5						
YAV240FM20		M20	5.8	32.3	39.4	96.6						
YAV300FM10	300	M10	6.9	36.8	46.7	80.2	644 Series (1) 444 Series (1) 81K Series (2)			U36RT (2)	22	38
YAV300FM12		M12	6.9	36.8	46.7	87.0						
YAV300FM14		M14	6.9	36.8	46.7	87.5						
YAV300FM16		M16	6.9	36.8	46.7	93.0						
YAV300FM20		M20	6.9	36.8	46.7	104.0						
YAV400FM12	400	M12	7.6	36.1	50.3	87.0	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U39RT (3)	24	37
YAV400FM14		M14	7.6	36.1	50.3	88.1						
YAV400FM16		M16	7.6	36.1	50.3	93.5						
YAV400FM20		M20	7.6	36.1	50.3	104.5						
YAV500FM12	500	M12	8.4	41.9	55.6	96.0	644 Series (1) 444 Series (1) 81K Series (3)			U44XRT (3) †P44XRT (3)	L115	43
YAV500FM16		M16	8.4	41.9	55.6	102.6						
YAV500FM20		M20	8.4	41.9	55.6	113.7						
YAV630FM12	630	M12	9.9	50.8	68.3	110.2	—			† P46RT (3)	31	55
YAV630FM16		M16	9.9	50.8	68.3	116.6						
YAV630FM20		M20	9.9	50.8	68.3	127.8						

* Use equivalent AWG setting on tool for installation.

** PUADP1 Adaptor is required to use U Dies in 46 Series tools.

† P-RT Die sets for use in 46 Series only, PUADP1 Adaptor not required.

TYPE YALB-FM

HYLUG™

Rated for 90° C, Up to 35 kV ◆

Made from electrolytic copper tube and is electro-tin plated. Wire range is from 50 mm² to 630 mm² Class 5. Compatible to IEC61238-1.

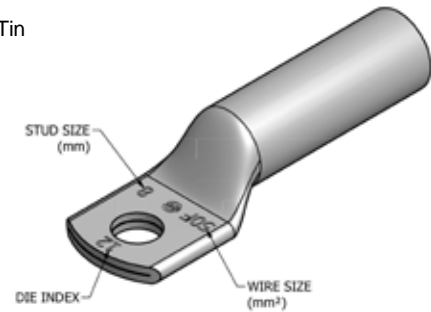
Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Connectors are clearly marked with stamping

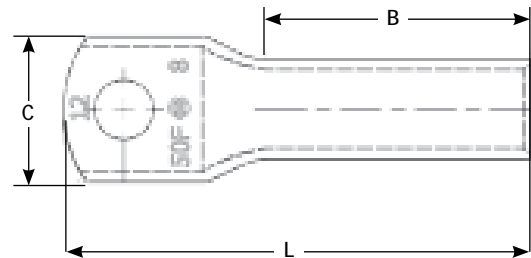
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

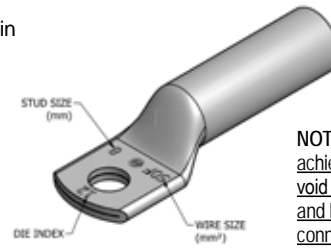


Compression Connections

Copper Compression — Flex — One Hole
Long Barrel — Metric Lugs

TYPE YALB-FM (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YALB50FM6	50	M6	3.0	38.1	21.1	65.5	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	12	
YALB50FM8		M8	3.0	38.1	21.1	67.3						
YALB50FM10		M10	3.0	38.1	21.1	70.4						
YALB50FM12		M12	3.0	38.1	21.1	76.7						
YALB50FM14		M14	3.0	38.1	21.1	77.7						
YALB50FM16		M16	3.0	38.1	21.1	86.4						
YALB70FM6	70	M6	3.3	38.1	23.6	66.3	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	13	40
YALB70FM8		M8	3.3	38.1	23.6	68.5						
YALB70FM10		M10	3.3	38.1	23.6	71.7						
YALB70FM12		M12	3.3	38.1	23.6	78.0						
YALB70FM14		M14	3.3	38.1	23.6	79.0						
YALB70FM16		M16	3.3	38.1	23.6	84.3						
YALB95FM8	95	M8	3.6	38.1	26.2	68.8	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	14	
YALB95FM10		M10	3.6	38.1	26.2	72.1						
YALB95FM12		M12	3.6	38.1	26.2	78.5						
YALB95FM14		M14	3.6	38.1	26.2	79.5						
YALB95FM16		M16	3.6	38.1	26.2	84.8						
YALB95FM20		M20	3.6	38.1	26.2	96.0						
YALB120FM8	120	M8	3.8	41.1	29.0	73.9	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	15	43
YALB120FM10		M10	3.8	41.1	29.0	79.5						
YALB120FM12		M12	3.8	41.1	29.0	83.6						
YALB120FM14		M14	3.8	41.1	29.0	84.6						
YALB120FM16		M16	3.8	41.1	29.0	89.9						
YALB120FM20		M20	3.8	41.1	29.0	101.1						
YALB150FM8	150	M8	4.3	50.8	32.8	85.1	644 Series (1) 444 Series (1) 81K Series (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	17	52
YALB150FM10		M10	4.3	50.8	32.8	88.4						
YALB150FM12		M12	4.3	50.8	32.8	94.7						
YALB150FM14		M14	4.3	50.8	32.8	95.3						
YALB150FM16		M16	4.3	50.8	32.8	101.1						
YALB150FM20		M20	4.3	50.8	32.8	112.3						

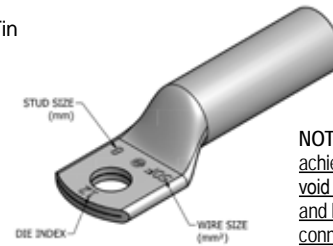
* Use equivalent AWG setting on tool for installation.

** PUADP1 Adaptor is required to use U Dies in 46 Series tools.

† P-RT Die sets for use in 46 Series only, PUADP1 Adaptor not required.

TYPE YALB-FM (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YALB185FM8	185	M8	4.8	53.8	35.6	88.6	644 Series (1) 444 Series (1) 81K Series (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	18	52
YALB185FM10		M10	4.8	53.8	35.6	91.7						
YALB185FM12		M12	4.8	53.8	35.6	98.0						
YALB185FM14		M14	4.8	53.8	35.6	99.1						
YALB185FM16		M16	4.8	53.8	35.6	104.4						
YALB185FM20		M20	4.8	53.8	35.6	115.6						
YALB240FM10	240	M10	5.6	57.2	39.4	98.0	644 Series (1) 444 Series (1) 81K Series (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4)	20	59
YALB240FM12		M12	5.6	57.2	39.4	105.2						
YALB240FM14		M14	5.6	57.2	39.4	106.2						
YALB240FM16		M16	5.6	57.2	39.4	111.5						
YALB240FM20		M20	5.6	57.2	39.4	122.4						
YALB300FM10	300	M10	6.9	71.4	46.7	114.8	644 Series (1) 444 Series (1) 81K Series (4)			U36RT (4)	22	73
YALB300FM12		M12	6.9	71.4	46.7	121.2						
YALB300FM14		M14	6.9	71.4	46.7	122.2						
YALB300FM16		M16	6.9	71.4	46.7	127.5						
YALB300FM20		M20	6.9	71.4	46.7	138.7						
YALB400FM12	400	M12	7.6	74.7	50.3	127.0	644 Series (1) 444 Series (1) 81K Series (4)	—	—	U39RT (4)	24	76
YALB400FM14		M14	7.6	74.7	50.3	128.0						
YALB400FM16		M16	7.6	74.7	50.3	133.4						
YALB400FM20		M20	7.6	74.7	50.3	144.5						
YALB500FM12	500	M12	8.1	76.2	55.6	132.1	644 Series (1) 444 Series (1) 81K Series (4)			U44XRT (4) †P44XRT (4)	L115	78
YALB500FM16		M16	8.1	76.2	55.6	138.4						
YALB500FM20		M20	8.1	76.2	55.6	149.4						
YALB630FM12	630	M12	9.9	81.0	68.3	140.5	—			† P46RT (6)	31	83
YALB630FM16		M16	9.9	81.0	68.3	146.8						
YALB630FM20		M20	9.9	81.0	68.3	158.0						

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

• P-RT dies for 46 Series Tooling only

TYPE YAV-F2M

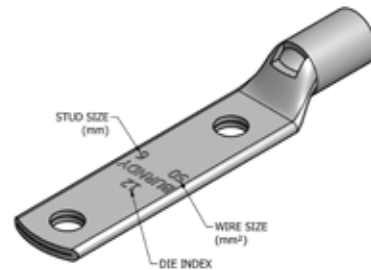
HYLUG™

Rated for 90° C, Up to 35 kV ◆

Made from electrolytic copper tube and is electro-tin plated. Wire range is from 50 mm² to 630 mm² Class 5. Compatible to IEC61238-1.

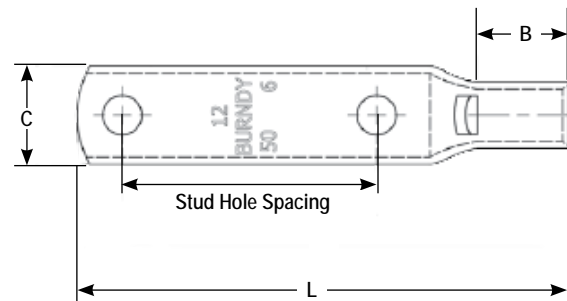
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Electro-Tin
Plated



Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Short/standard length barrel is recommended for installations with limited space requirements
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Connectors are clearly marked with stamping



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPE YAV-F2M (Continued)

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (MM ²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)
				Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV50F2M6	50	M6	44.5	3.0	17.5	21.1	89.2	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	12	19
YAV50F2M8		M8	44.5	3.0	17.5	21.1	90.7						
YAV50F2M10		M10	44.5	3.0	17.5	21.1	94.0						
YAV50F2M12		M12	44.5	3.0	17.5	21.1	100.3						
YAV50F2M14		M14	44.5	3.0	17.5	22.4	101.3						
YAV50F2M16		M16	44.5	3.0	17.5	22.4	106.7						
YAV70F2M6	70	M6	44.5	3.3	20.6	23.6	93.2	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (1)	W26RT (2) W26VT (2) X26RT (2)	W26RT (2) W26VT (2) X26RT (2)	U26RT (1)	13	22
YAV70F2M8		M8	44.5	3.3	20.6	23.6	95.0						
YAV70F2M10		M10	44.5	3.3	20.6	23.6	98.3						
YAV70F2M12		M12	44.5	3.3	20.6	23.6	104.6						
YAV70F2M14		M14	44.5	3.3	20.6	23.6	105.7						
YAV70F2M16		M16	44.5	3.3	20.6	23.6	111.0						
YAV95F2M8	95	M8	44.5	3.6	25.4	26.2	100.8	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	14	27
YAV95F2M10		M10	44.5	3.6	25.4	26.2	104.1						
YAV95F2M12		M12	44.5	3.6	25.4	26.2	110.5						
YAV95F2M14		M14	44.5	3.6	25.4	26.2	111.5						
YAV95F2M16		M16	44.5	3.6	25.4	26.2	116.8						
YAV95F2M20		M20	44.5	3.6	25.4	26.2	128.0						
YAV120F2M8	120	M8	44.5	3.8	26.2	29.0	102.9	MY2911 (1) MRC840 (2) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	15	27
YAV120F2M10		M10	44.5	3.8	26.2	29.0	106.2						
YAV120F2M12		M12	44.5	3.8	26.2	29.0	112.5						
YAV120F2M14		M14	44.5	3.8	26.2	29.0	113.5						
YAV120F2M16		M16	44.5	3.8	26.2	29.0	118.9						
YAV120F2M20		M20	44.5	3.8	26.2	29.0	130.0						
YAV150F2M8	150	M8	44.5	4.6	26.9	32.8	104.9	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	17	29
YAV150F2M10		M10	44.5	4.6	26.9	32.8	108.2						
YAV150F2M12		M12	44.5	4.6	26.9	32.8	114.6						
YAV150F2M14		M14	44.5	4.6	26.9	32.8	115.6						
YAV150F2M16		M16	44.5	4.6	26.9	32.8	120.9						
YAV150F2M20		M20	44.5	4.6	26.9	32.8	132.1						
YAV185F2M8	185	M8	44.5	4.8	30.2	35.6	109.5	644 Series (1) 444 Series (1) 81K Series (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	18	29
YAV185F2M10		M10	44.5	4.8	30.2	35.6	112.8						
YAV185F2M12		M12	44.5	4.8	30.2	35.6	119.1						
YAV185F2M14		M14	44.5	4.8	30.2	35.6	120.1						
YAV185F2M16		M16	44.5	4.8	30.2	35.6	125.5						
YAV185F2M20		M20	44.5	4.8	30.2	35.6	136.7						

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

• P-RT dies for 46 Series Tooling only

Compression Connections

Copper Compression — Flex — Two Hole
Standard Barrel — Metric Lugs

TYPE YAV-F2M (Continued)

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Electro-Tin
Plated



Catalog Number	Wire Range (MM ²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)
				Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YAV240F2M10	240	M10	44.5	5.8	32.3	39.4	117.6	644 Series (1) 444 Series (1) 81K Series (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2)	20	33
YAV240F2M12		M12	44.5	5.8	32.3	39.4	123.9						
YAV240F2M14		M14	44.5	5.8	32.3	39.4	124.9						
YAV240F2M16		M16	44.5	5.8	32.3	39.4	130.3						
YAV240F2M20		M20	44.5	5.8	32.3	39.4	141.3						
YAV300F2M10	300	M10	44.5	6.9	36.8	46.7	124.9	—	—	U36RT (2)	22	38	
YAV300F2M12		M12	44.5	6.9	36.8	46.7	131.3						
YAV300F2M14		M14	44.5	6.9	36.8	46.7	132.2						
YAV300F2M16		M16	44.5	6.9	36.8	46.7	137.7						
YAV300F2M20		M20	44.5	6.9	36.8	46.7	148.7						
YAV400F2M12	400	M12	44.5	7.6	36.1	50.3	131.8	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U39RT (3)	24	37
YAV400F2M14		M14	44.5	7.6	36.1	50.3	138.2						
YAV400F2M16		M16	44.5	7.6	36.1	50.3	138.2						
YAV400F2M20		M20	44.5	7.6	36.1	50.3	149.2						
YAV500F2M12	500	M12	44.5	8.4	41.9	55.6	140.9	—	—	U44XRT (3) †P44XRT (3)	L115	43	
YAV500F2M16		M16	44.5	8.4	41.9	55.6	147.3						
YAV500F2M20		M20	44.5	8.4	41.9	55.6	158.4						
YAV630F2M12	630	M12	44.5	9.9	50.8	68.3	154.9	—	—	† P46RT (3)	31	55	
YAV630F2M16		M16	44.5	9.9	50.8	68.3	161.3						
YAV630F2M20		M20	44.5	9.9	50.8	68.3	172.4						

* Use equivalent AWG setting on tool for installation.

** PUADP1 Adaptor is required to use U Dies in 46 Series tools.

† P-RT Die sets for use in 46 Series only, PUADP1 Adaptor not required.

TYPE YALB-F2M

HYLUG™

Rated for 90° C, Up to 35 kV ◆

Made from electrolytic copper tube and is electro-tin plated. Wire range is from 50 mm² to 630 mm² Class 5. Compatible to IEC61238-1.

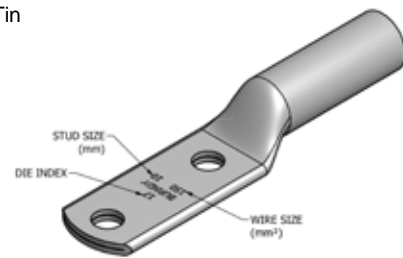
Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during installation
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- Electro-tin plated unless specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Connectors are clearly marked with stamping

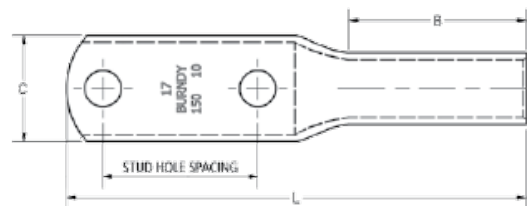
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Electro-Tin
Plated



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



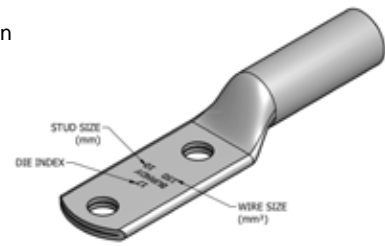
Compression Connections

Copper Compression — Flex — Two Hole
Long Barrel — Metric Lugs

TYPE YALB-F2M (Continued)

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Electro-Tin
Plated



Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)
				Tongue Width	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YALB50F2M6	50	M6	44.5	3.0	38.1	21.1	110.2	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	12	40
YALB50F2M8		M8	44.5	3.0	38.1	21.1	112.0						
YALB50F2M10		M10	44.5	3.0	38.1	21.1	115.1						
YALB50F2M12		M12	44.5	3.0	38.1	21.1	121.4						
YALB50F2M14		M14	44.5	3.0	38.1	21.1	122.4						
YALB50F2M16		M16	44.5	3.0	38.1	21.1	131.1						
YALB70F2M6	70	M6	44.5	3.3	38.1	23.6	111.0	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	13	40
YALB70F2M8		M8	44.5	3.3	38.1	23.6	113.3						
YALB70F2M10		M10	44.5	3.3	38.1	23.6	116.3						
YALB70F2M12		M12	44.5	3.3	38.1	23.6	122.7						
YALB70F2M14		M14	44.5	3.3	38.1	23.6	123.7						
YALB70F2M16		M16	44.5	3.3	38.1	23.6	129.0						
YALB95F2M8	95	M8	44.5	3.6	38.1	26.2	114.3	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	14	43
YALB95F2M10		M10	44.5	3.6	38.1	26.2	117.6						
YALB95F2M12		M12	44.5	3.6	38.1	26.2	124.0						
YALB95F2M14		M14	44.5	3.6	38.1	26.2	125.0						
YALB95F2M16		M16	44.5	3.6	38.1	26.2	130.3						
YALB95F2M20		M20	44.5	3.6	38.1	26.2	141.2						
YALB120F2M8	120	M8	44.5	3.8	41.1	29.0	118.6	MY2911 (2) MRC840 (4) 644 Series (1) 444 Series (1) 81K Series (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	15	43
YALB120F2M10		M10	44.5	3.8	41.1	29.0	124.2						
YALB120F2M12		M12	44.5	3.8	41.1	29.0	128.3						
YALB120F2M14		M14	44.5	3.8	41.1	29.0	129.3						
YALB120F2M16		M16	44.5	3.8	41.1	29.0	134.6						
YALB120F2M20		M20	44.5	4.3	41.1	30.5	145.8						
YALB150F2M8	150	M8	44.5	4.3	50.8	32.8	129.8	644 Series (1) 444 Series (1) 81K Series (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	17	52
YALB150F2M10		M10	44.5	4.3	50.8	32.8	133.1						
YALB150F2M12		M12	44.5	4.3	50.8	32.8	139.4						
YALB150F2M14		M14	44.5	4.3	50.8	32.8	140.0						
YALB150F2M16		M16	44.5	4.3	50.8	32.8	145.8						
YALB150F2M20		M20	44.5	4.3	50.8	32.8	157.0						

* Use equivalent AWG setting on tool for installation.

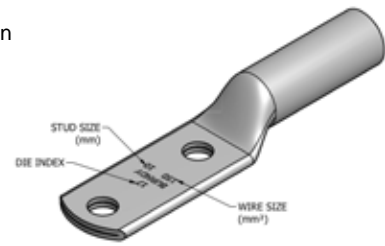
** PUADP1 Adaptor is required to use U Dies in 46 Series tools.

† P-RT Die sets for use in 46 Series only, PUADP1 Adaptor not required.

TYPE YALB-F2M (Continued)

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Electro-Tin
Plated



Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)
				Tongue Thickness	(B)	(C)	(L)	Dieless*	MD6, OUR840, MD734R	500 Series	35, 750, 46** Series	Die Index	
YALB185F2M8	185	M8	44.5	4.8	53.8	35.6	134.1	644 Series (1) 444 Series (1) 81K Series (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	18	52
YALB185F2M10		M10	44.5	4.8	53.8	35.6	137.4						
YALB185F2M12		M12	44.5	4.8	53.8	35.6	143.8						
YALB185F2M14		M14	44.5	4.8	53.8	35.6	144.8						
YALB185F2M16		M16	44.5	4.8	53.8	35.6	150.1						
YALB185F2M20		M20	44.5	4.8	53.8	35.6	161.3						
YALB240F2M10	240	M10	44.5	5.6	57.2	39.4	142.7	644 Series (1) 444 Series (1) 81K Series (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4)	20	59
YALB240F2M12		M12	44.5	5.6	57.2	39.4	149.9						
YALB240F2M14		M14	44.5	5.6	57.2	39.4	150.9						
YALB240F2M16		M16	44.5	5.6	57.2	39.4	156.2						
YALB240F2M20		M20	44.5	5.6	57.2	39.4	167.1						
YALB300F2M10	300	M10	44.5	6.9	71.4	46.7	160.8	644 Series (1) 444 Series (1) 81K Series (4)	—	—	U36RT (4)	22	73
YALB300F2M12		M12	44.5	6.9	71.4	46.7	167.1						
YALB300F2M14		M14	44.5	6.9	71.4	46.7	168.1						
YALB300F2M16		M16	44.5	6.9	71.4	46.7	173.5						
YALB300F2M20		M20	44.5	6.9	71.4	46.7	184.7						
YALB400F2M12	400	M12	44.5	7.6	74.7	50.3	171.7	—	—	—	U39RT (4)	24	76
YALB400F2M14		M14	44.5	7.6	74.7	50.3	172.7						
YALB400F2M16		M16	44.5	7.6	74.7	50.3	178.1						
YALB400F2M20		M20	44.5	7.6	74.7	50.3	189.2						
YALB500F2M12	500	M12	44.5	8.1	76.2	55.6	176.8	—	—	—	U44XRT (4) †P44XRT (4)	L115	78
YALB500F2M16		M16	44.5	8.1	76.2	55.6	183.1						
YALB500F2M20		M20	44.5	8.1	76.2	55.6	194.1						
YALB630F2M12	630	M12	44.5	9.9	81.0	68.3	186.9	—	—	—	† P46RT (6)	31	83
YALB630F2M16		M16	44.5	9.9	81.0	68.3	193.3						
YALB630F2M20		M20	44.5	9.9	81.0	68.3	204.5						

* Use equivalent AWG setting on tool for installation

** PUADP1 Adaptor is required to use U Dies in 46 Series

- P-RT dies for 46 Series Tooling only

Compression Connections

Copper Compression
HYPLUG™ Adapters for Copper Conductor

TYPES YE-P, YE-P-FX

HYPLUG™



WIRE
CONNECTOR
ADAPTER

Wire Connector Adapter Rated for 90° C, Up to 35 kV ♦

Type YE-P copper compression adapters are designed for reliable termination of copper conductor when the current capacity of the conductor is downsized, but larger conductor is utilized. Typical applications are for voltage drop protection when oversized conductors are used or flex conductor is used. These adapters facilitate the termination into existing mechanical set screw connectors for various stranded copper cables.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

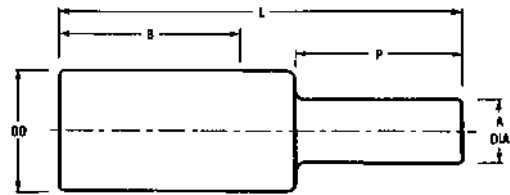
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



600 Volts, 90°C EPDM or Santoprene rubber covers supplied with the connector

Features & Benefits

- Connectors are cULus Listed wire adapters per UL 486A-486B where symbol shown on the page
- The adapters are used in voltage drop applications
- Designed with a compression barrel that accommodate the wire and a solid pin that is used to insert and terminate in a mechanical set screw connector
- Solid pin design is rated to carry the equivalent ampacity of the incoming wire being terminated, solid pin design is more effective than stranded conductor as there is no risk of damaging strands during termination in the mechanical set screw connector
- Covers are supplied with connectors
 - EPDM rubber covers are UL Listed/CSA Certified and rated up to 600 Volts and 90° C
 - Santoprene rubber covers are also UL Listed/CSA Certified and rated up to 600 Volts and 90° C
- Connectors are clearly marked



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPES YE-P, YE-P-FX (Continued)



WIRE
CONNECTOR
ADAPTER



Note: up to 600 Volts, 90°C EPDM or Santoprene rubber covers supplied with the connector

Catalog Number	Accommodates Copper Wire Sizes			Pin Size Equiv.	Dimensions					Installation Data										
	Flex Cable	Code AWG	Navy		A Dia	B	L	P	OD	Color Code	Die Index	Mech Tools (# of Crimps)				Hydraulic Tools (# of Crimps)				Cable Strip Length
												MY 2911	Y1/ Y2MR	MD734R	MD6/ MD7	35, 750 Series	46 Ⓞ Series	60 Ton Series	644, 444 Series	
YEV4CP20X75FX	#4 Str. 91/24-105/24	#4	40	#4 AWG	0.20	1.37	2.27	0.75	0.38	Gray	8	(2)	W4CVT (2)	W4CRT (2)	U4CRT (2)	—	(1)	1-1/2		
YEV2CP26X75FX	#2 Str. 125/24-150/24	#2	60	#2 AWG	0.26	1.65	2.60	0.75	0.46	Brown	10		W2CVT (2)	W2CRT (2)	U2CRT (2)			1-3/4		
YEV1CP29X75FX	#1 Str. 175/24-225/24	#1	75	#1 AWG	0.29	1.66	2.63	0.75	0.51	Green	11	(1)	W1CVT (2)	W1CRT1 (2)	U1CRT1 (2)	—	(1)	1-3/4		
YEV25P33X75FX	1/0 Str. (275/24)	1/0	100	1/0 AWG	0.33	1.80	2.80	0.75	0.56	Pink	12		W25VT (4)	W25RT (4)	U25RT (2)			1-7/8		
YEV26P37X75FX	2/0 Str. (325/24)	2/0	125	2/0 AWG	0.37	1.82	2.86	0.75	0.63	Black	13	—	W26VT (4)	W26RT (4)	U26RT (2)	—	(1)	1-7/8		
YEV27P41X82FX	3/0 Str. (450/24)	3/0	150	3/0 AWG	0.41	1.97	3.11	0.82	0.70	Orange	14		W27VT (4)	W27RT (4)	U27RT (2)			2-1/16		
YEV28P46X92FX	4/0 Str. (550/24)	4/0	200	4/0 AWG	0.46	1.99	3.28	0.92	0.77	Purple	15	—	W28VT (4)	W28RT (4)	U28RT (2)	—	(1)	2-1/16		

FLEX CABLE ONLY		Pin Size Equiv.	Installation Data														
Catalog Number	Flex Cable		A Dia	B	L	P	OD	Color Code	Die Index	MY 2911	Y1/ Y2MR	MD734R	MD6/ MD7	35, 750 Series	46 Ⓞ Series	60 Ton Series	644, 444 Series	Cable Strip Length
YE30P50X100FX	250 kcmil Flex Class G 259 Class H 427	250 kcmil	0.50	2.37	3.75	1.00	0.81	Yellow	16	(1)	—	W29VT (4)	W29RT (4)	U29RT (2)	L29RT (1)	(1)	2-3/8
YE31P51X102FX	262.6 kcmil Flex (650/24) 250 Flex Class I, K, M	262.6 kcmil	0.51	2.39	3.82	1.02	0.88	White	17	—	—	W30VT (4)	W30RT (4)	U30RT (4)	L30RT (1)		2-1/2
YE32P55X110FX	313.1 kcmil (775/24) (300 kcmil Nom)	300 kcmil	0.55	2.53	4.08	1.10	0.95	Red	18	—	—	W31VT (4)	W31RT (4)	U31RT (4)	L31RT (1)	(1)	2-5/8
YE34P59X118FX	373.7 kcmil (925/24) (350 kcmil Nom)	350 kcmil	0.59	2.68	4.36	1.18	1.06	Blue	19	—	—	W32VT (4)	W32RT (4)	U32RT (4)	L32RT (1)		2-3/4
YE36P67X134FX	444.4 kcmil (1100/24) (450 kcmil Nom)	450 kcmil	0.67	3.14	5.04	1.34	1.19	Brown	20	—	—	—	—	U34RT (4)	L34RT (2)	(1)	3-1/4
YE38P71X142FX	535.3 kcmil (1325/24) (500 kcmil Nom)	500 kcmil	0.71	3.29	5.30	1.42	1.25	Pink	L99	—	—	—	—	U38XRT (4)	—		3-3/8
YE40P78X156FX	646 kcmil (1600/24) (600 kcmil Nom)	600 kcmil	0.78	3.31	5.51	1.56	1.35	Black	24	—	—	—	—	U39RT (4)	L39RT (2)	(1)	3-7/16
YE44P87X174FX	777.7 kcmil (1925/24) (750 kcmil Nom)	750 kcmil	0.87	3.54	5.99	1.74	1.50	Yellow	L115	—	—	—	—	U44XRT (4)	—		3-5/8

CODE CABLE ONLY		AWG	Installation Data															
Catalog Number	Flex Cable	AWG	A Dia	B	L	P	OD	Color Code	Die Index	MY 2911	Y1/ Y2MR	MD734R	MD6/ MD7	35, 750 Series	46 Ⓞ Series	60 Ton Series	644, 444 Series	Cable Strip Length
YE29P50X100	250 kcmil	250	0.50	1.99	3.33	1.00	0.75	Yellow	16	(1)	—	W29VT (4)	W29RT (4)	U29RT (2)	—	(1)	2-1/2	
YE30P55X110	300 kcmil	300	0.55	2.37	3.85	1.10	0.81	White	17	—	—	W30VT (4)	W30RT (4)	U30RT (4)	L30RT (1)		2-5/8	
YE31P59X118	350 kcmil	350	0.59	2.39	3.98	1.18	0.88	Red	18	—	—	W31VT (4)	W31RT (4)	U31RT (4)	L31RT (1)	(1)	2-3/4	
YE32P63X126	400 kcmil	400	0.63	2.53	4.24	1.26	0.95	Blue	19	—	—	W32VT (4)	W32RT (4)	U32RT (4)	L32RT (1)		3-1/4	
YE34P71X142	500 kcmil	—	0.71	2.68	4.60	1.42	1.06	Brown	20	—	—	W34VT (4)	W34RT (4)	U34RT (4)	L34RT (2)	(1)	3-3/8	
YE36P78X156	600 kcmil	—	0.78	3.14	3.78	1.56	1.19	Green	22	—	—	—	—	U36RT (4)	L36RT (2)		1-3/4	
YE39P87X174	750 kcmil	—	0.87	3.37	5.73	1.74	1.30	Black	24	—	—	—	—	U39RT (4)	P39RT (4)	L39RT (2)	3-5/8	

Compression Connections

Copper Compression
HYPLUG™ Adapters for Copper Conductor

TYPES YE-P, YE-P-FX (Continued)

Note: up to 600 Volts, 90°C EPDM or Santoprene rubber covers supplied with the connector
Connectors on this page are NOT cULus Listed



Catalog Number	Accommodates Copper Wire Sizes			Pin Size Equiv.	Dimensions					Installation Data										
	Flex Cable	Code AWG	Navy		A Dia	B	L	P	OD	Color Code	Die Index	Mech Tools (# of Crimps)				Hydraulic Tools (# of Crimps)				Cable Strip Length
												MY 2911	Y1 / Y2MR	MD734R	MD6 / MD7	35, 750 Series	46 Ⓞ Series	60 Ton Series	644, 444 Series	
YEV2CP23X75FX	#2 Str. (125/24-150/24)	#2	60	3 AWG	0.23	1.65	2.60	0.75	0.46	Brown	10	(1)	(4)	W2CVT (2)	W2CRT (2)	U2CRT (2)	(1)	1-3/4		
YEV1CP26X75FX	#1 Str. (175/24-225/24)	#1	75	2 AWG	0.26	1.66	2.63	0.75	0.51	Green	11	—	—	W1CVT (2)	W1CRT1 (2)	U1CRT1 (2)		1-3/4		
YEV25P29X75FX	1/0 Str. (275/24)	1/0	100	1 AWG	0.29	1.80	2.80	0.75	0.56	Pink	12	—	—	W25VT (4)	W25RT (4)	U25RT (2)		1-7/8		
YEV26P33X75FX	2/0 Str. (325/24)	2/0	125	1/0 AWG	0.33	1.82	2.86	0.75	0.63	Black	13	—	—	W26VT (4)	W26RT (4)	U26RT (2)		1-7/8		
YEV27P37X75FX	3/0 Str. (450/24)	3/0	150	2/0 AWG	0.37	1.97	3.04	0.75	0.70	Orange	14	—	—	W27VT (4)	W27RT (4)	U27RT (2)		2-1/16		
YEV28P41X75FX	4/0 Str. (550/24)	4/0	200	3/0 AWG	0.41	1.99	3.11	0.75	0.77	Purple	15	—	—	W28VT (4)	W28RT (4)	U28RT (2)		2-1/16		

FLEX CABLE ONLY

YE30P46X92FX	250 kcmil Flex Class G 259 Class H 427	—	—	4/0 AWG	0.46	2.37	3.67	0.92	0.81	Yellow	16	—	—	W29VT (4)	W29RT (4)	U29RT (2)	L29RT (1)	(1)	2-3/8
YE32P51X102FX	313.1 kcmil (775/24)(300 kcmil Nom)	—	—	250 kcmil	0.51	2.53	4.00	1.02	0.95	Red	18	—	—	W31VT (8)	W31RT (8)	U31RT (4)	L31RT (1)		2-5/8
YE34P55X110FX	373.7 kcmil (925/24)(350 kcmil Nom)	—	—	300 kcmil	0.55	2.68	4.28	1.10	1.06	Blue	19	—	—	W32VT (8)	W32RT (8)	U32RT (4)	L32RT (1)		2-3/4
YE36P59X118FX	444.4 kcmil (1100/24)(450 kcmil Nom)	—	—	350 kcmil	0.59	3.14	4.88	1.18	1.19	Brown	20	—	—	W34VT (8)	W34RT (8)	U34RT (4)	L34RT (2)		3-1/4
YE38P67X134FX	535.3 kcmil (1325/24)(500 kcmil Nom)	—	—	450 kcmil	0.67	3.29	5.22	1.34	1.25	Pink	L99	—	—	—	—	U38XRT (4)	—		3-3/8
YE40P71X142FX	646 kcmil (1600/24)(600 kcmil Nom)	—	—	500 kcmil	0.71	3.31	5.37	1.42	1.35	Black	24	—	—	—	—	U39RT (4)	L39RT (2)		3-7/16
YE44P78X156FX	777.7 kcmil (1925/24)(750 kcmil Nom)	—	—	600 kcmil	0.78	3.54	5.81	1.56	1.50	Yellow	L115	—	—	—	—	U44XRT (4)	—		3-5/8

CODE CABLE ONLY

	CODE CABLE ONLY	AWG																	
YE29P46X92	250 kcmil	—	250	4/0 kcmil	0.46	1.99	3.25	0.92	0.75	Yellow	16	(1)	—	W29VT (4)	W29RT (4)	U29RT (2)	—	(1)	2-1/2
YE30P50X100	300 kcmil	—	300	250 kcmil	0.50	2.37	3.75	1.00	0.81	White	17	—	—	W30VT (8)	W30RT (8)	U30RT (4)	L30RT (1)		2-5/8
YE31P55X110	350 kcmil	—	350	300 kcmil	0.55	2.39	3.90	1.10	0.88	Red	18	—	—	W31VT (8)	W31RT (8)	U31RT (4)	L31RT (1)		2-3/4
YE32P59X118	400 kcmil	—	400	350 kcmil	0.59	2.53	4.16	1.18	0.95	Blue	19	—	—	W32VT (8)	W32RT (8)	U32RT (4)	L32RT (1)		3-1/4
YE34P63X126	500 kcmil	—	—	400 kcmil	0.63	2.68	4.44	1.26	1.06	Brown	20	—	—	W34VT (8)	W34RT (8)	U34RT (4)	L34RT (2)		3-3/8
YE36P71X142	600 kcmil	—	—	500 kcmil	0.71	3.14	5.11	1.42	1.19	Green	22	—	—	—	—	U36RT (4)	L36RT (2)		3-7/16
YE39P78X156	750 kcmil	—	—	600 kcmil	0.78	3.37	5.55	1.56	1.30	Black	24	—	—	—	—	U39RT (4)	P39RT (4)		L39RT (2)	3-5/8

1. For sizes above 4/0 the MD66R2 must be used.
Ⓞ See Sales Drawings for Metric Conductor Ratings.

Ⓞ To use U dies in 46 Series tools, PUADP1 die adapter is required.
Note: All dimensions shown are for reference only.

TYPES YE-P, YE-P-FX (Continued)

Note: up to 600 Volts, 90°C EPDM or Santoprene rubber covers supplied with the connector
Connectors on this page are NOT cULus Listed



REDUCED PIN DIAMETER

Catalog Number	Accommodates Copper Wire Sizes			Pin Size Equiv.	Dimensions					Color Code	Die Index	Installation Data								
	Flex Cable	Code AWG	Navy		A Dia	B	L	P	OD			Mech Tools (# of Crimps)				Hydraulic Tools (# of Crimps)				Cable Strip Length
												MY 2911	Y1/Y2MR	MD734R	MD6/MD7	35, 750 Series	46 © Series	60 Ton Series	644, 444 Series	
YEV4CP16X75FX	#4 Str. (91/24-105/24)	#4	40	6 AWG	0.16	1.37	2.27	0.75	0.38	Gray	8	(1)	(2)	W4CVT (2)	W4CRT (2)	U4CRT (2)	—	(1)	1-1/2	
YEV2CP20X75FX	#2 Str. (125/24-150/24)	#2	60	4 AWG	0.20	1.65	2.60	0.75	0.46	Brown	10			W2CVT (2)	W2CRT (2)	U2CRT (2)	—		1-3/4	
YEV1CP23X75FX	#1 Str. (175/24-225/24)	#1	75	3 AWG	0.23	1.66	2.63	0.75	0.51	Green	11			W1CVT (2)	W1CRT1 (2)	U1CRT1 (2)	—		1-3/4	
YEV25P26X75FX	1/0 Str. (275/24)	1/0	100	2 AWG	0.26	1.80	2.80	0.75	0.56	Pink	12			W25VT (4)	W25RT (4)	U25RT (2)	—		1-7/8	
YEV26P29X75FX	2/0 Str. (325/24)	2/0	125	1 AWG	0.29	1.82	2.86	0.75	0.63	Black	13			W26VT (4)	W26RT (4)	U26RT (2)	—		1-7/8	
YEV27P33X75FX	3/0 Str. (450/24)	3/0	150	1/0 AWG	0.33	1.97	3.04	0.75	0.70	Orange	14			W27VT (4)	W27RT (4)	U27RT (2)	—		2-1/16	
YEV28P37X75FX	4/0 Str. (550/24)	4/0	200	2/0 AWG	0.37	1.99	3.11	0.75	0.77	Purple	15			W28VT (4)	W28RT (4)	U28RT (2)	—		2-1/16	

FLEX CABLE ONLY																			
YE31P41X82FX	262.6 kcmil (650/24) 250 Flex Class I, K, M	—	3/0 AWG	0.41	2.39	3.62	0.82	0.88	White	17	—	—	W30VT (8)	W30RT (8)	U30RT (4)	L30RT (1)	(1)	2-1/2	
YE34P51X102FX	373.7 kcmil (925/24) (350 kcmil Nom)	—	250 kcmil	0.51	2.68	4.20	1.02	1.06	Blue	19			W32VT (8)	W32RT (8)	U32RT (4)	L32RT (1)		2-3/4	
YE38P59X118FX	535.3 kcmil (1325/24) (500 kcmil Nom)	—	350 kcmil	0.59	3.29	5.06	1.18	1.25	Pink	L99			—	—	U38XRT (4)	—		3-3/8	
YE40P67X134FX	646 kcmil (1600/24) (600 kcmil Nom)	—	450 kcmil	0.67	3.31	5.29	1.34	1.35	Black	24			—	—	U39RT (4)	L39RT (2)		3-7/16	

CODE CABLE ONLY																			
YE29P31X109	250 kcmil	—	1 AWG	0.31	1.06	2.49	1.09	0.75	Yellow	16	(1)	—	—	W29RT (4)	U29RT (2)	L29RT (2)	—	1-1/8	
YE29P41X82	250 kcmil	—	3/0 AWG	0.41	1.99	3.15	0.82	0.75	Yellow	16			W29VT (4)	W29RT (4)	U29RT (2)	—	2-1/2		
YE30P46X92	300 kcmil	—	4/0 AWG	0.46	2.37	3.67	0.92	0.81	White	17			W30VT (8)	W30RT (8)	U30RT (4)	L30RT (1)	2-5/8		
YE31P50X100	350 kcmil	—	250 kcmil	0.50	2.39	3.80	1.00	0.88	Red	18			W31VT (8)	W31RT (8)	U31RT (4)	L31RT (1)	2-3/4		
YE32P55X110	400 kcmil	—	300 kcmil	0.55	2.53	4.08	1.10	0.95	Blue	19			W32VT (8)	W32RT (8)	U32RT (4)	L32RT (1)	3-1/4		
YE34P59X118	500 kcmil	—	350 kcmil	0.59	2.68	4.36	1.18	1.06	Brown	20			W34VT (8)	W34RT (8)	U34RT (4)	L34RT (2)	3-3/8		
YE36P63X126	600 kcmil	—	400 kcmil	0.63	3.14	4.95	1.26	1.19	Green	22			—	—	U36RT (4)	L36RT (2)	3-7/16		
YE39P71X142	750 kcmil	—	500 kcmil	0.71	3.37	5.41	1.42	1.30	Black	24			—	—	U39RT (4)	P39RT (4)	L39RT (2)	3-5/8	

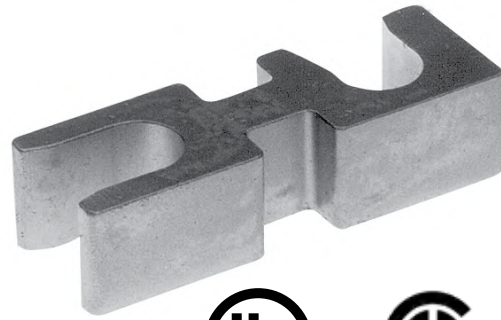
1. For sizes above 4/0 the MD66R2 must be used.
 © See Sales Drawings for Metric Conductor Ratings.
 © To use U dies in 46 Series tools, PUADP1 die adapter is required.
 Note: All dimensions shown are for reference only.

TYPE ASA-U

HYSTACK™ Terminal Stacking Adapter

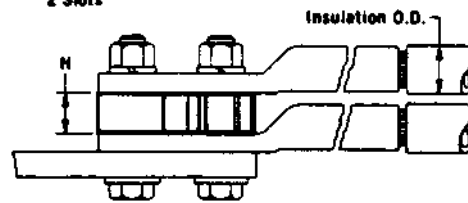
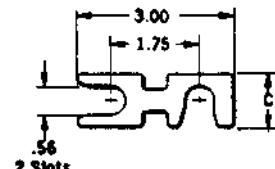
UL Listed 90° C, Up to 35 kV ♦

The Hystack™ adapter is specially designed to allow standard terminals to be stacked on two or four hole NEMA transformer or equipment terminal pads. Hystack™ adapters are tin-plated, high conductivity aluminum to provide optimum corrosion resistance. Only three sizes accommodate terminals from 250 kcmil through 1000 kcmil to help keep costly inventories to a minimum.



Features & Benefits

- For use on terminals made from copper or aluminum material
- Designed specifically for stacking standard terminals; uses include:
 - Place the stacking adapter on the mounting plate and a terminal on top of the stacking adapter and bolt down
 - Placing a stacking adapter on a terminal pad that will be mounted to a bus bar or mounting plate and a terminal on top of the stacking adapter, and bolt down
- May be used with standard NEMA two and four hole terminals; to stack four hole NEMA terminations use two stacking adapters assembled side-by-side
- Only three sizes necessary to accommodate terminals from 250 kcmil through 1000 kcmil, minimizing inventory requirements
- Stacking adapters are clearly marked



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Accommodates Copper and Aluminum Compression Terminals		Catalog Number	C	H
Conductor Max.	Insulation O.D.			
250 kcmil	0.87	ASA250U	1.00	0.77
800 kcmil	1.37	ASA800U	1.00	1.13
1000 kcmil	1.49	ASA1000U	1.25	1.25

To stack 4 hole NEMA drilled terminals use 2 adaptors assembled side by side. ASA-U stacking adaptors are recommended for use with any BURNDY® UL Listed compression terminal, 2 or 4 hole NEMA pad aluminum and copper lugs, types YA, YA-L, YA-A, and for all 2-hole NEMA spaced lugs in the OVERHEAD and UNDERGROUND catalog sections.

Note: All dimensions shown are for reference only.

TYPE CUSA

HYSTACK™ Terminal Stacking Adapter

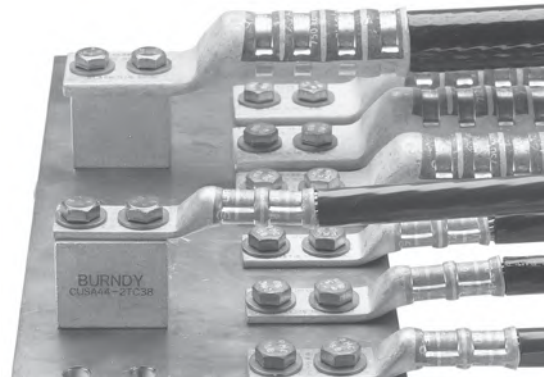
The Hystack™ adapter is specially designed to get terminals to the back end of a bus bar or other areas that require terminals to be elevated off the mounting surface. These Hystack™ adapters are made from high conductivity copper and tin-plated to provide optimum corrosion resistance. It will accommodate #10 AWG through 750 kcmil HYLUG™ terminals.

Features & Benefits

- For use on terminals made from copper
- Designed specifically for stacking standard terminals; uses include:
 - Place the stacking adapter on the mounting plate and a terminal on top of the stacking adapter and bolt down
 - Placing a stacking adapter on a terminal pad that will be mounted to a bus bar or mounting plate and a terminal on top of the stacking adapter, and bolt down
- May be used with standard NEMA two and four hole terminals; to stack four hole NEMA terminations use two stacking adapters assembled side-by-side
- Stacking adapters are clearly marked

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



Catalog Number	Stud Hole Size	Stud Hole Spacing	Length	Width	Height
CUSA442TC38	3/8"	1"	1.75"	1.12"	1.50"
CUSA442NTC	1/2"	1-3/4"	3.00"	1.12"	1.50"

Note: All dimensions shown are for reference only.

Reference: Catalog Number TMH332.

This TMH332 Kit has just the right hardware when using the CUSA442TC38 Hystack on a 1/4 bus bar with a 4/0 through 750 kcmil HYLUG™.

TYPE YSCM

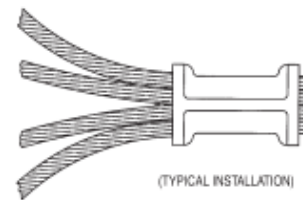
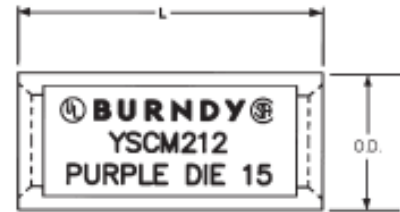
Color-Coded HYLINK™ Uninsulated Parallel Splice

Type YSCM HYLINK™ seamless parallel splice connectors permit stranded wires to be laid parallel inside the connector and spliced together with BURNDY® compression tools. Each YSCM style splice accommodates a wide range of conductors and is color-coded to ensure proper tool and die match. Type YSCM connectors are cULus Listed Wire Connectors per UL 486A/B for Grounding and Bonding, and UL 467 rated for Direct Burial in earth and concrete.



Features & Benefits

- Copper seamless barrel uninsulated parallel splice
- Designed to accommodate a wide range of stranded wires to be laid parallel inside the barrel and spliced together
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Barrel is color coded to ensure proper die and installation tooling is selected
- Type YSCM Uninsulated Parallel Splices are cULus Listed Wire Connectors per UL 486A-486B for Grounding and Bonding
- UL 467 Rated for Direct Burial in earth and concrete
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPE YSCM (Continued)



Catalog Number	Conductor Range Cable Circular Mils	Dimensions Inches [mm]		Color Code	Die Index	Recommended Installation Tooling		Wire Strip Length
		L ±.03	O.D. ±.01			OUR840, 500, 600 Series	35, 750 Series	
YSCM17	13,060 - 16,910	0.50 [13]	0.27 [7]	Red	49	X8CRT, W8CRT	U8CRT	11/16
YSCM27	16,910 - 26,890	0.50 [13]	0.31 [8]	Blue	7	X5CRT, W5CRT	U5CRT	11/16
YSCM42	29,970 - 41,520	0.50 [13]	0.38 [10]	Gray	8	X4CRT, W4CRT	U4CRT	11/16
YSCM66	42,750 - 66,040	0.62 [16]	0.47 [12]	Brown	10	X2CRT, W2CRT	U2CRT	3/4
YSCM80	67,980 - 80,020	0.62 [16]	0.52 [13]	Green	11	X1CRT, W1CRT-1	U1CRT-1	3/4
YSCM104	82,870 - 103,630	0.69 [18]	0.57 [14]	Pink	12	X25RT, W25RT	U25RT	15/16
YSCM133	104,960 - 133,220	0.81 [21]	0.64 [16]	Black	13	X26RT, W26RT	U26RT	1-1/16
YSCM167	134,340 - 166,560	0.81 [21]	0.70 [18]	Orange	14	X27RT, W27RT	U27RT	1-1/16
YSCM212	167,380 - 211,820	0.88 [22]	0.78 [20]	Purple	15	X28RT, W28RT	U28RT	1-1/16
YSCM231	- 230,800	1.05 [27]	0.81 [21]	Yellow	16	X29RT, W29RT	U29RT	1-1/16

Notes:

1. Material: Copper per ASTM B75.
 2. Finish: Tin plated. For nickel plating, add suffix "NK" to the Catalog Number.
- † Recommended strip length. Strip length dependant on size, no. of wires and insulation thickness.
- ‡ Refer to Circular Mil Table per ASTM B8 for total Class B Circular Mil calculations.
- * YSCM231 can also be installed with MY293 and retain Listings.

Add the circular mils of the wires you wish to splice; that sum would be used to determine the correct splice using the Min/Max on the table above.

The table to the right is for reference only.

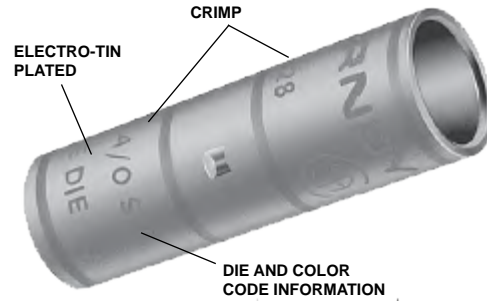
Circular Mil Table per ASTM B8			
Size		ASTM Strandings	
Circular Mils	AWG	Class	Cable Diameter (in)
1,022	20	B	0.036
1,624	18	B	0.045
2,583	16	B	0.057
4,107	14	B	0.072
6,530	12	B	0.091
10,380	10	B	0.116
13,090	9	B	0.130
16,510	8	B	0.146
20,820	7	B	0.164
26,250	6	B	0.184
33,100	5	B	0.206
41,740	4	AA	0.254
41,740	4	B&A	0.232
52,630	3	AA	0.285
52,630	3	B&A	0.260
66,370	2	AA	0.320
66,370	2	B&A	0.292
83,690	1	AA	0.360
83,690	1	A	0.328
83,690	1	B	0.332
105,500	1/0	A&A	0.368
105,500	1/0	—	0.390
105,500	1/0	B	0.373
133,100	2/0	A&A	0.414
133,100	2/0	—	0.438
133,100	2/0	B	0.419
167,800	3/0	A&A	0.464
167,800	3/0	—	0.492
167,800	3/0	B	0.470
211,600	4/0	A&A	0.522
211,600	4/0	—	0.522
211,600	4/0	B	0.528

TYPE YS-L

HYLINK™ Splice

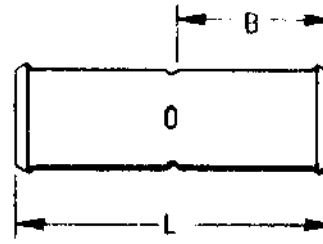


UL Listed 90° C, Up to 35 kV ◆



Features & Benefits

- Copper seamless barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/standard length barrel is recommended for installation with limited space requirements
- Connectors clearly marked with color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



Catalog Number	Conductor		Dimensions		Dieless (# of crimps)	Installation Tooling ▲						Wire Strip Length	
	AWG	*** MM ²	L	B		Mechanical			35 ■, 750, 46* Series		▲ Die Index & Embossment		
						Y1MRTC Y2MR	MD734R	MD6 OUR840	Die Number (# crimps)	Color Code			
YS8CLBOX	8 Str.	10	1.00	0.44	81K Series (1)	Y1MRTC (1)	W8CVT (1)	X8CRT (1)	U8CRT (1)	Red	49	1/2"	
YS6CLBOX	6 Str.	—	1.75	0.81			W5CVT (1)	X5CRT (1)	U5CRT (1)	Blue	7 or 374	7/8"	
YS5CLBOX	5 Str.	16	1.90	0.81		Y1MRTC (2)	W4CVT (1)	X4CRT (1)	U4CRT (1)	Gray	8 or 346	7/8"	
YS4CLBOX	4 Str.	—	1.75	0.81			—	—	U3CRT (1)	White	9	15/16"	
YS3CL	3 Str./2 Sol.	25	2.05	0.88			W2CVT (1)	X2CRT (1)	U2CRT (1)	Brown	10	15/16"	
YS2CLBOX	2 Str.	—	2.00	0.88			W1CVT (1)	X1CRT (1)	U1CRT1 (1)	Green	11 or 375	15/16"	
YS1CLBOX	1 Str.	50	2.06	0.88		81K Series (2)	—	W25VT (2)	X25RT (2)	U25RT (1)	Pink	12 or 348	15/16"
YS25LBOX	1/0 Str.	—	2.08	0.88				W26VT (2)	X26RT (2)	U26RT (1)	Black	13	1"
YS26LBOX	2/0 Str.	70	2.17	0.94				W27VT (2)	X27RT (2)	U27RT (1)	Orange	14	1-1/16"
YS27LBOX	3/0 Str.	95	2.30	1.00				W28VT (2)	X28RT (2)	U28RT (1)	Purple	15	1-1/16"
YS28LBOX	4/0 Str.	—	2.32	1.00	W29VT (2)			—	U29RT (1)	Yellow	16	1-1/8"	
YS29LBOX	250 kcmil	120	2.46	1.06	W30VT (2)			—	U30RT (2)	White	17 or 298	1-1/8"	
YS30L	300 kcmil	150	2.47	1.06	W31VT (2)			—	U31RT (2)	Red	18 or 324	1-3/16"	
YS31L	350 kcmil	185	2.60	1.12	W32VT (2)			—	U32RT (2)	Blue	19 or 470	1-1/4"	
YS32L	400 kcmil	—	2.74	1.19	W34VT (2)			—	U34RT (2)	Brown	20 or 299	1-7/16"	
YS34L	500 kcmil	240	3.15	1.38	81K Series (3)			—	U36RT (2)	Green	22 or 472	1-7/16"	
YS36L	600 kcmil	300	3.22	1.38		U38RT (2)	Pink		400	1-7/16"			
YS38L	700 kcmil	—	3.22	1.38		U39RT (2)	Black		24	1-11/16"			
YS39L	750 kcmil	—	3.72	1.62		P44RT (2)**	White		27	1-15/16"			
YS44L	1000 kcmil	500	4.28	1.88									

▲ See tooling section of this catalog for complete tool and die listings.

* Use PUADP1 adapter with U dies in 46 Series.

** P44RT for use with 46 Series only. PUADP1 adaptor not required.

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor.

■ The maximum size for the Y35 is 400 kcmil insulated code cable.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPE YS

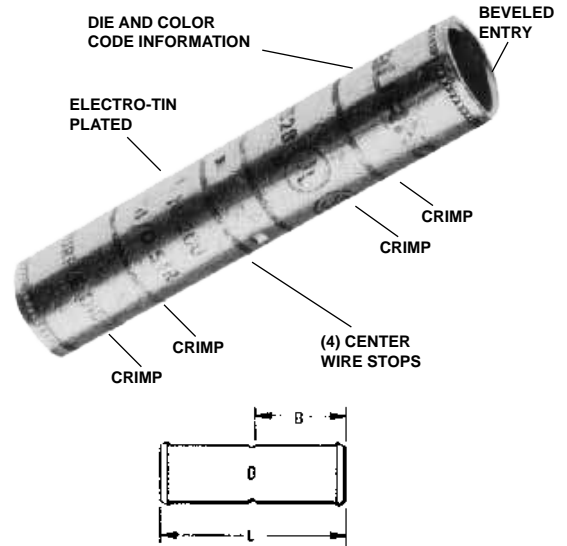
HYLINK™ Splice, Long Barrel

UL Listed 90° C, Up to 35 kV ♦



Features & Benefits

- Copper seamless barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire,
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Barrel is color coded to ensure proper die and installation tooling is selected
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



Catalog Number	Conductor		Dimensions		Dieless (# of crimps)	Installation Tooling ▲					Wire Strip Length		
	AWG	mm²	L	B		Mechanical			35 ■, 750, 46* Series			Die Index & Embossment	
						Y1MRTC	MD734R	MD6 OUR840	Die Number (# crimps)	Color Code			
YS8C	8 Str.	10	1.75	0.78	81K Series (1)	Y1MRTC (2)	W8CVT (2)	X8CRT (2)	U8CRT (2)	Red	49	7/8	
YS6C	6 Str.	—	2.38	1.09			W5CVT (2)	X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16	
YS5C	5 Str.	16	2.55	1.09			W5CVT (2)	X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16	
YS4C	4 Str.	—	2.55	1.09			W4CVT (2)	X4CRT (2)	U4CRT (2)	Gray	8 or 346	1-3/16	
YS3C	3 Str./2 Sol.	25	2.80	1.22	81K Series (2)	Y1MRTC (4)	—	W3CRT (2)	—	White	9	1-5/16	
YR2C2WT	2 Str. - 2Sol.	25	3.03	1.25			W2CVT (2)	W2CVT (2)	W2CRT (2)	U2CRT (2)	Brown	10	1-5/8
YS2C	2 Str.	35	2.82	1.22			W2CVT (2)	X2CRT (2)	U2CRT (2)	Brown	10	1-5/16	
YS1C	1 Str.	50	3.07	1.34			W1CVT (2)	X1CRT1 (2)	U1CRT1 (2)	Green	11 or 375	1-7/16	
YS25	1/0 Str.	—	3.08	1.34			—	W25VT (4)	X25RT (4)	U25RT (2)	Pink	12 or 348	1-7/16
YS26	2/0 Str.	70	3.30	1.45			—	W26VT (4)	X26RT (4)	U26RT (2)	Black	13	1-9/16
YS27	3/0 Str.	—	3.30	1.45			—	W27VT (4)	X27RT (4)	U27RT (2)	Orange	14	1-9/16
YS28	4/0 Str.	—	3.57	1.58			—	W28VT (4)	X28RT (4)	U28RT (2)	Purple	15	1-11/16
YS29	250 kcmil	120	3.58	1.58			—	W29VT (4)	—	U29RT (2)	Yellow	16	1-11/16
YS30	300 kcmil	150	4.34	1.95			81K Series (3)	—	W30VT (4)	—	U30RT (4)	White	17 or 298	2-1/16
YS31	350 kcmil	185	4.35	1.95	—	W31VT (4)		—	U31RT (4)	Red	18 or 324	2-1/16	
YS32	400 kcmil	—	4.62	2.08	—	W32VT (4)		—	U32RT (4)	Blue	19 or 470	2-3/16	
YS34	500 kcmil	240	4.91	2.20	81K Series (4)	—	W34VT (4)	—	U34RT (4)	Brown	20 or 299	2-5/16	
YS36	600 kcmil	300	5.85	2.63		—	—	—	U36RT (4)	Green	22 or 472	2-3/4	
YS39	750 kcmil	—	6.38	2.81		—	—	—	U39RT (4)	Black	24	2-15/16	
YS44	1000 kcmil	500	6.55	2.94		—	—	—	P44RT (2)	White	27	3-1/16	
YS46	1500 kcmil	—	7.01	3.13	—	—	—	P46RT (6)	Green	31	3-1/4		
YS48	2000 kcmil	—	7.57	3.27	—	—	—	† L48RT (4)	Brown	34	3-3/8		

① Not color coded.

* Use PUADP1 adapter with U dies in 46 Series.

** P44RT for use with 46 Series tooling only. PUADP1 adapter not required.

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor.

■ The maximum size for the Y35 is 400 kcmil.

▲ See tooling section of this catalog for complete tool and die listings

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

† Requires 60 Ton Series with L48RT die set.

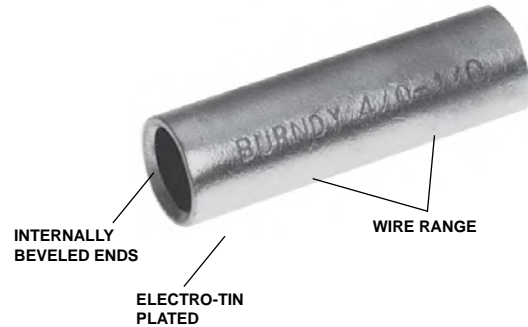
Note: All dimensions shown are for reference only.

TYPE Y-R

Reducing Adapter for Copper

Up to 35 kV ♦

Type Y-R reducing adapter has been designed to allow large size, long barrel, copper HYDENT™, HYSPLICE™, and HYTEE™ terminals, splices and T-taps to be used on small conductor sizes. To use, simply insert the reducer into the barrel, insert the wire into the reducer adapter and crimp the outer barrel using its recommended tooling.



Features & Benefits

- Reducing adapters fit inside copper long barrel compression terminals (Type YA-), splices (Type YS-), or tap connectors
- The outside diameter of the reducing adapter is equivalent to the terminal or splice accommodating wire size, and the inside diameter of the reducer adapter is reduced to accommodate a smaller wire size
- Use the same installation tooling and die sets or dieless tool recommended for the compression terminal, splice, or tap connector with the reducing adapter
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damage of the wire strands during insertion
- Electro-tin plated, unless otherwise specified, to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Can be field modified to fit short length compression terminals (Type YA-L) and splices (Type YS-L)
- Connectors are clearly marked with stamping
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Catalog Number	Wire Range		Dimensions	
	From	To	Max O.D.	L
Y286CR	4/0 AWG	6,8 Str. 6 Sol.	0.53	1.75
Y284WR		4 Sol.	0.53	1.75
Y284CR		4 Str.	0.53	1.75
Y282CR		2 Str.	0.53	1.75
Y281CR		1 Str.	0.53	1.75
Y2825R		1/0 Str.	0.53	1.75
Y2826R		2/0 Str.	0.53	1.75
Y2827R		3/0 Str.	0.53	1.75
Y2928R	250 kcmil	4/0	0.58	1.62
Y304CR	300 kcmil	4	0.64	2.00
Y302CR		2	0.64	2.00
Y3025R		1/0	0.64	2.00
Y3026R		2/0	0.64	2.00
Y3027R		3/0	0.64	2.00
Y3028R		4/0	0.64	2.00
Y3126R		350 kcmil	2/0	0.69	2.00
Y3128R	4/0		0.69	2.00
Y3129R	250		0.69	2.00
Y342CR	500 kcmil	2 Str.	0.82	2.50
Y3425R		1/0 Str.	0.82	2.50
Y3426R		2/0 Str.	0.82	2.50
Y3427R		3/0 Str.	0.82	2.50
Y3428R		4/0 Str.	0.82	2.50
Y3429R		250 kcmil	0.82	2.50
Y3430R		300 kcmil	0.82	2.50
Y3431R		350 kcmil	0.82	2.50
Y3432R	400 kcmil	0.82	2.50	
Y3934R	750 kcmil	500 kcmil	1.02	2.88
Y3936R		600 kcmil	1.02	2.88
Y4439R	1000 kcmil	750 kcmil	1.30	3.00

Contact Technical Support for other sizes not listed.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.



Example Accommodate a 4/0 AWG wire on one end and a #2 AWG wire on the other:

1. Use a YS28 (which splices two 4/0 AWG wires on each end)
2. Select a Y282CR reducing adapter (reducing adapter fits the YS28 barrel with a reduced inside diameter that accommodates a #2 AWG wire size)
3. Fully insert the Y282CR reducing adapter into one end of the YS28 splice barrel
4. Insert the #2 AWG wire into the Y282CR reducing adapter that is inside the YS28 splice barrel
5. Crimp the YS28 barrel side with the Y282CR reducing adapter, using the recommended die and tool combination or dieless tool as specified for use on the YS28
6. Insert the 4/0 AWG wire into the other end of the YS28 barrel and crimp that side of the splice using the recommended installation tooling and your splice reducing connection is complete!

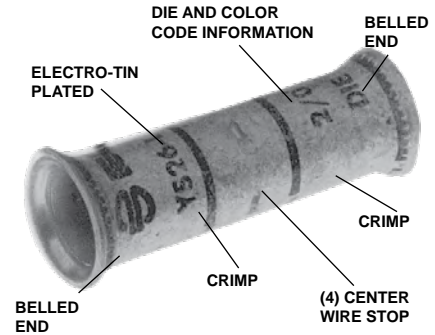
TYPE YS-LB

HYLINK™ Splice, Belled Ends



UL Listed 90° C, Up to 35 kV ♦

Type YS-LB HYLINK™ splices are designed for flexible and extra flexible copper conductors used in mining machines, locomotives, welding cables and other flexible cable applications. The seamless, high conductivity copper, electro-tin plated belled barrel provides for easy insertion of flexible stranded conductors and the nest indentor die system provides an excellent electrical and mechanical connection.



Features & Benefits

- Copper seamless barrel is designed with a “belled” end opening at the wire entry to ensure smooth insertion of highly flexible stranded wire, preventing damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/standard length barrel is recommended for installations with limited space requirements
- Barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Connectors are clearly marked with color coding to ensure proper die and installation tooling is selected
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



See next page for Installation Tooling Information

Catalog Number	Copper Conductor							Dimensions	
	Class B, C	Flexible and Extra Flexible Cables							
		Class G	Class H	Class I	Battery Cable Class K	Welding Cable Class M	Locomotive Cable	B	L
YS8CLB	8	#8 (49 str)	#8 (133 str)	—	#8 (168/30)	#8 (420/34)	#8 (37/24)	0.44	1.09
YS5CLB	5	#6 (49 str)	#6 (133 str)	#6 (63/24)	#6 (266/30)	#6 (665/34)	#6 (61/24)	0.81	1.82
YS4CLB	4	#5 (49 str)	#5 (133 str)	#5 (84/24)	#5 (336/30)	#5 (836/34)	#5 (91/24)	0.81	1.84
YS3CLB	3	#4 (49 str)	#4 (133 str)	#4 (105/24)	#4 (420/30)	#4 (1064/34)	#4 (105/24)	0.88	1.96
YS2CLB	2	#3 (49 str)	#3 (133 str)	#3 (133/24)	#3 (532/30)	#3 (1323/24)	#3 (125/24)	0.87	1.98
YS1CLB	1	#2 (49 str)	#2 (133 str)	#2 (161/24)	#2 (665/30)	#2 (1666/34)	#2 (150/24)	0.87	1.97
YS25LB	1/0	#1 (133 str)	#1 (259 str)	#1 (210/24)	#1 (836/30)	#1 (2107/34)	#1 (225/24)	0.87	2.00
YS26LB	2/0	1/0 (133 str)	1/0 (259 str)	1/0 (266/24)	1/0 (1064/30)	1/0 (2646/34)	1/0 (275/24)	0.93	2.12
YS27LB	3/0	2/0 (133 str)	2/0 (259 str)	2/0 (342/24)	2/0 (1323/30)	2/0 (3325/34)	2/0 (325/24)	0.99	2.24
YS28LB	4/0	3/0 (133 str)	3/0 (259 str)	3/0 (418/24)	3/0 (1666/30)	—	3/0 (450/24)	0.98	2.26
YS29LB	250	4/0 (133 str)	4/0 (259 str)	—	—	—	—	1.04	2.40
YS30LB	300	250 kcmil (259 str)	250 kcmil (427 str)	4/0 (532/24)	4/0 (2107/30)	4/0 (5320/34)	4/0 (550/24)	1.04	2.41
YS32LB	400	300 kcmil (259 str)	300 kcmil (427 Str)	300 kcmil (735/24)	300 kcmil (2989/30)	300 kcmil (7581/34)	313.1 kcmil (775/24)	1.17	2.69
YS34LB	500	350 kcmil (259 str) 400 kcmil (259 str)	350 kcmil (427 str) 400 kcmil (427 str)	350 kcmil (882/24) 400 kcmil (980/24)	350 kcmil (3458/30)	350 kcmil (8806/34)	373.7 kcmil (925/24)	1.35	3.10
YS36LB	600	500 kcmil (259 str)	500 kcmil (427 str)	450 kcmil (1127/24)	450 kcmil (4522/30)	450 kcmil (11396/34)	444.4 kcmil (1100/24)	1.66	3.14
YS38LB	700	550 kcmil (427 str)	550 kcmil (703 str)	500 kcmil (1225/24) 550 kcmil (1372/24)	500 kcmil (5054/30)	500 kcmil (12691/34)	535.3 kcmil (1325/24)	1.85	3.14
YS39LB	750	600 kcmil (427 str)	—	—	—	550 kcmil (13664/34)	—	1.85	3.64
YS40LB	800	—	600 kcmil (703 str)	600 kcmil (1470/24)	—	600 kcmil (14945/34)	—	1.85	3.67
YS44LB	1000	750 kcmil (427 str)	750 kcmil (703 str)	650 kcmil (1596/24)	600 kcmil (5985/30)	—	777.7 kcmil (1925/24)	1.85	4.20

* Contact BURNDY® for conductors not shown.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

Compression Connections

Copper — Flex
Belled Ends, Standard Barrel Splice

TYPE YS-LB (Continued)

INSTALLATION TOOLING CHART



Catalog Number	Cable Size	Installation Tooling ▲				HYDRAULIC				Wire Strip Length
		Dieless (# of Crimps)	Die Index	Dieless (# of crimps)	Die Type	35 † Series	750 † Series	46 * † Series	60 Ton Series	
YS8CLB	8 AWG	-	49	Y8MRB1	DIE SET	U8CRT	U8CRT	U8CRT	-	7/16
	8 Flex		1013		NEST INDENTOR	UV8L Y34PL	UV8L Y34PL	UV8L Y34PL	-	
YS5CLB ①	5 AWG	81K Series (1)	7	MR4C MY293 MY2911	DIE SET	U5CRT	U5CRT	U5CRT	-	7/8
	6 Flex		1014		NEST INDENTOR	U6CD1 Y34PR	U6CD1 Y34PR	U6CD1 Y34PR	-	
YS4CLB	4 AWG	644 Series (1) 444 Series (1) 81K Series (1)	8	MR4C MY293 MY2911	DIE SET	U4CRT	U4CRT	U4CRT	-	7/8
	5 Flex		1015		NEST INDENTOR	U4CD1 Y34PR	U4CD1 Y34PR	U4CD1 Y34PR	-	
YS3CLB	3 AWG	644 Series (1) 444 Series (1) 81K Series (1)	9	MY293 MY2911	DIE SET	U3CRT	U3CRT	U3CRT	-	15/16
	4 Flex		1016		NEST INDENTOR	U3CD1 Y34PR	U3CD1 Y34PR	U3CD1 Y34PR	-	
YS2CLB	2 AWG	644 Series (1) 444 Series (1) 81K Series (1)	10	MY293 MY2911	DIE SET	U2CRT	U2CRT	U2CRT	-	15/16
	3 Flex		1017		NEST INDENTOR	U2CD1 Y34PR	U2CD1 Y34PR	U2CD1 Y34PR	-	
YS1CLB	1 AWG	644 Series (1) 444 Series (1) 81K Series (1)	11	MY293 MY2911	DIE SET	U1CRT1	U1CRT1	U1CRT1	-	15/16
	2 Flex		1018		NEST INDENTOR	U1CD1 Y34PR	U1CD1 Y34PR	U1CD1 Y34PR	-	
YS25LB	1/0 AWG	644 Series (1) 444 Series (1) 81K Series (1)	12	MY293 MY2911	DIE SET	U25RT	U25RT	U25RT	-	15/16
	1 Flex		1019		NEST INDENTOR	U25D1 Y34PR2	U25D1 Y34PR2	U25D1 Y34PR2	-	
YS26LB	2/0 AWG	644 Series (1) 444 Series (1) 81K Series (1)	13	MY293 MY2911	DIE SET	U26RT	U26RT	U26RT	-	1
	1/0 Flex		1020		NEST INDENTOR	U26D1 Y34PR2	U26D1 Y34PR2	U26D1 Y34PR2	-	
YS27LB	3/0 AWG	644 Series (1) 444 Series (1) 81K Series (1)	14	MY293 MY2911	DIE SET	U27RT	U27RT	U27RT	-	1-1/16
	2/0 Flex		1021		NEST INDENTOR	U27D1 Y34PR2	U27D1 Y34PR2	U27D1 Y34PR2	-	
YS28LB	4/0 AWG	644 Series (2) 444 Series (2) 81K Series (2)	15	MY293 MY2911	DIE SET	U28RT	U28RT	U28RT	-	1-1/16
	3/0 Flex		1022		NEST INDENTOR	- Y34PR2	U28D1 Y34PR2	U28D1 Y34PR2	-	
YS29LB	250 kcmil	644 Series (2) 444 Series (2) 81K Series (2)	16	MY293 MY2911	DIE SET	U29RT	U29RT	U29RT	-	1-1/16
	4/0 Flex		1023		NEST INDENTOR	- Y34PR2	U29D1 Y34PR2	U29D1 Y34PR2	-	
YS30LB	300 kcmil	644 Series (2) 444 Series (2) 81K Series (2)	17	-	DIE SET	U30RT	U30RT	U30RT	L30RT	1-1/8
	4/0-250 Flex		1024		NEST INDENTOR	- Y34PR2	U30D1 Y34PR2	U30D1 Y34PR2	-	

† Use Y35P3 adaptor with Y34PR indentor.

* Use PUADP1 adaptor with U dies in 46 Series

▲ See Tooling section in this catalog for complete tool and die listings.

① Not color coded.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPE YS-LB (Continued)

INSTALLATION TOOLING CHART



Catalog Number	Cable Size	Installation Tooling ▲				HYDRAULIC				Wire Strip Length
		Dieless (# of Crimps)	Die Index	Dieless (# of crimps)	Die Type	35 † Series	750 † Series	46* † Series	60 Ton Series	
YS32LB	400 kcmil	644 Series (2) 444 Series (2) 81K Series (2)	19	-	DIE SET	U32RT	U32RT	U32RT	L32RT	1-1/4
	300 Flex		1026		NEST INDENTOR	- -	U32D-1 Y34PR-2	U32D-1 Y34PR-2	- -	
YS34LB	500 kcmil		20	-	DIE SET	-	U34RT	U34RT	L34RT	1-7/16
	350 Flex		1027		NEST INDENTOR	- -	U34D-1 Y34PR-2	U34D-1 Y34PR-2	- -	
YS36LB	600 kcmil		22	-	DIE SET	-	U36RT	U36RT	L36RT	1-3/4
	500 Flex		1028		NEST INDENTOR	- -	- -	P36D P48PR-1	- -	
YS38LB	700 kcmil		400	-	DIE SET	U38RT	U38RT	U38RT	-	1-15/16
	550 Flex		1029		NEST INDENTOR	- -	- -	P38D P48PR-1	- -	
YS39LB	750 kcmil		24	-	DIE SET	-	U39RT	P39RT	L39RT	1-15/16
	600 Flex		1030		NEST INDENTOR	- -	- -	P39D P48PR-1	- -	
YS40LB	800 kcmil		25	-	DIE SET	-	-	P40RT	L40RT	1-15/16
	600 Flex		1031		NEST INDENTOR	- -	- -	P40D P48PR-1	- -	
YS44LB	1000 kcmil		27	-	DIE SET	-	-	P44RT	L44RT	1-15/16
	750 Flex		1022		NEST INDENTOR	- -	- -	P44D P48PR-1	- -	

† Use Y35P3 adaptor with Y34PR indenter.

* Use PUADP1 adaptor with U dies in 46 Series

▲ See Tooling section in this catalog for complete tool and die listings.

Ⓞ Not color coded.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPES YS-T, YSP-T

HYLINK™ High Voltage, Tapered Ends

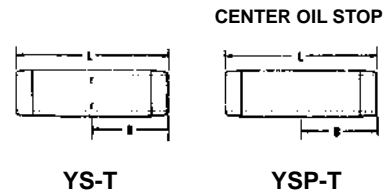
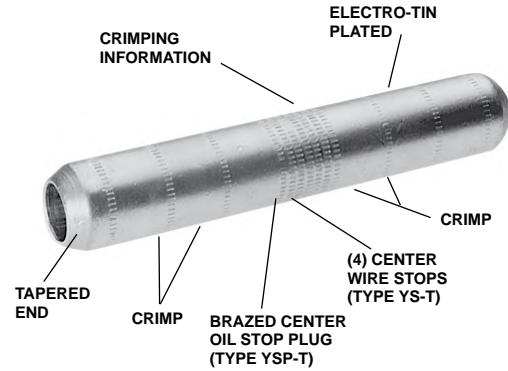
UL Listed 90° C, Up to 35 kV ♦



Types YS-T and YSP-T seamless high conductivity copper electro-tin plated compression HYLINK™ high voltage splices with standard barrel and tapered ends are ideally suited for higher voltage applications from 5 kV through 35 kV.

Features & Benefits

- Copper seamless barrel is designed with tapered ends per EEI Standard TD160, indicating use on voltages 5kV through 35kV; this aids in preventing corona emission and simplifies taping for lower installation cost
- Barrel also features an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damage of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/standard length barrel is recommended for installations with limited space requirements
- Type YS-T barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Type YSP-T barrel has a center plug permanently brazed in place; this plug prevents oil within oil filled conductor from passing through the splice connector and is also an indication when the wire is fully inserted into each side of the barrel
- Connectors are clearly marked with color coding to ensure proper die and installation tooling is selected
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Catalog Number		Code Conductors	Dimensions		Installation Tooling- Nest/Indentor ▲					Wire Strip Length
					Y34B Y34PR Indentor	35, 750 Series, Y34PR Indentor Y35P3 Adaptor	35, 750, 46* Series Die Number (# of crimps per end)	Die Index ▲	No. of Indent	
YS-T	YSP-T		B	L	Nest Die	Nest Die				
YS6CT	—	6 Str.	0.90	2.16	B6CD	U6CD1	U5CRT (2)	7	1	15/16
YS4CT	YSP4CT	4 Str.	0.90	2.16	B4CD	U4CD1	U4CRT (2)	8	1	15/16
YS2CT	YSP2CT	2 Str.	0.98	2.34	B2CD	U2D1	U2CRT (2)	10	1	1
YS1CT	YSP1CT	1 Str.	0.97	2.31	B1CD	U1D1	U1CRT1 (2)	11	1	1
YS25T	YSP25T	1/0 Str.	0.98	2.35	B25D	U25D1	U25RT (2)	12	1	1-3/32
YS26T	YSP26T	2/0 Str.	1.04	2.47	B26D	U26D1	U26RT (2)	13	1	1-3/32
YS28T	YSP28T	4/0 Str.	1.13	2.67	B28D	U28D1	U28RT (2)	15	1	1-3/16
YS29T	YSP29T	250 kcmil	1.21	2.85	B29D	U29D1	U29RT (2)	16	1	1-3/32
YS30T	YSP30T	300 kcmil	1.22	2.87	B30D	U30D1	U30RT (4)	17	2	1-5/16
YS31T	YSP31T	350 kcmil	1.32	3.09	B31D	U31D1	U31RT (4)	18	2	1-3/5
YS34T	YSP34T	500 kcmil	1.68	3.86	No Die Needed	U34D1	U34RT (4)	20	2	1-3/4
YS39T	YSP39T	750 kcmil	2.00	4.60	—	—	U39RT (4)	24	2	2-1/8

* Use adapter PUADP1 with U Dies in 46 Series. 46 Series uses the same nest indentor and adapter as the 35 and 750 Series, but with the PUADP1 adapter.

** A 0.06 radius at each end is used for sizes 6-27.

■ The maximum size for the 35 Series is 400 kcmil.

▲ See tooling section of this catalog for complete tool and die listings.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPE YS-FXB

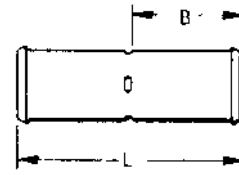
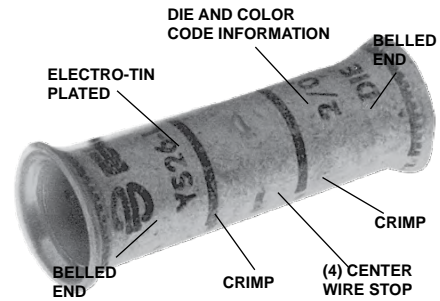
HYLINK™ Splice, Belled Ends

UL Listed 90° C, Up to 35 kV ♦



Features & Benefits

- Copper seamless barrel is designed with a “belled” end opening at the wire entry to ensure smooth insertion of highly flexible stranded wire, preventing damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Connectors are clearly marked with color coding to ensure proper die and installation tooling is selected
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Compression Connections

Copper — Flex
Belled Ends, Long Barrel Splice

TYPE YS-FXB (Continued)



Catalog Number	Conductor		Dimensions		Installation Tooling					Cable Strip Length
	Flexible Cable Code AWG	*** MM ²	L (mm)	B (mm)	Dieless (# of crimps/end)	Mechanical	35 ■, 750, 46* Series			
						Y1MRTC	Embossed Die Index	Color Code	Die Number (# of crimps/end)	
YS8CFXB	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG, #6 SOL, #8 SOL	10	1.99 (51)	0.90 (23)	81K Series (1)	Y1MR (2)	49	Red	U8CRT (2)	1" (25)
YSV6CFXB	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	† 16	2.62 (67)	1.22 (31)		Y1MR (2)	7	Blue	U5CRT (2)	1-5/16" (33)
YSV4CFXB	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	—	2.62 (67)	1.22 (31)		Y1MR (4)	8	Gray	U4CRT (2)	1-5/16" (33)
YSV2CFXB	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35	2.89 (73)	1.35 (34)		Y1MR (4)	10	Brown	U2CRT (2)	1-7/16" (37)
YSV1CFXB	#1 AWG G,H,I,K,M DLO (225/24) #1 AWG	—	3.18 (81)	1.50 (38)		—	11	Green	U1CRT-1 (2)	1-9/16" (40)
YSV25FXB	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50	3.18 (81)	1.50 (38)		—	12	Pink	U25RT (2)	1-9/16" (40)
YSV26FXB	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70	3.44 (87)	1.63 (41)		—	13	Black	U26RT (2)	1-11/16" (43)
YSV27FXB	3/0 AWG G,H,I,K,M DLO (450/24) 3/0 AWG	95	3.46 (88)	1.64 (42)		—	14	Orange	U27RT (2)	1-11/16" (43)
YSV28FXB	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	† 120	3.72 (94)	1.77 (45)	81K Series (2)	—	15	Purple	U28RT (2)	1-7/8" (48)
YS30FXB	250 kcmil G,H	—	4.51 (115)	2.16 (55)		—	16	Yellow	U29RT (2)	2-1/4" (57)
YS31FXB	250 kcmil I,K,M DLO 262 (650/24)	150	4.54 (115)	2.18 (55)		—	17	White	U30RT (4)	2-1/4" (57)
YS32FXB	300 kcmil G,H,I,K,M DLO 313 (775/24)	185	4.82 (122)	2.32 (59)		—	18	Red	U31RT (4)	2-7/16" (62)
YS34FXB	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	5.14 (131)	2.48 (63)		—	19	Blue	U32RT (4)	2-9/16" (65)
YS36-FXB	500 kcmil G,H DLO 444 (110/24)	300	6.09 (155)	2.95 (75)		—	20	Brown	U34RT (4)	3-1/16" (79)
YS38FXB	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	—	6.34 (161)	3.08 (78)	81K Series (3)	—	L99	Pink	U38XRT (4)	3-3/16" (81)
YS40FXB	650 kcmil G DLO 646 (1600/24)	400	6.66 (169)	3.24 (82)		—	24	Black	U39RT (4)	3-5/16" (84)
YS44FXB	750 kcmil G,H DLO 777 (1925/24)	500	6.84 (174)	3.33 (85)		—	L115	Yellow	U44XRT (4) †P44XRT (4)	3-7/16" (87)

* Use PUADP1 adapter with U dies in 46 Series.

† P-RT dies sets are for use with 46 Series only.

*** The MM² conductor sizes listed are the recommendations for Class 5 conductor.

‡ 16 MM² and 120 MM² referenced are for both Class 2 and Class 5

■ The maximum size for the 35 Series is 373.7 kcmil.

▲ See tooling section of this catalog for complete tool and die listings.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only. Measurements in brackets [] are in metric dimensions.

TYPE YS-TC

HYSPLICE™ In-Line Splice Kits Standard Barrel, with Inspection Window

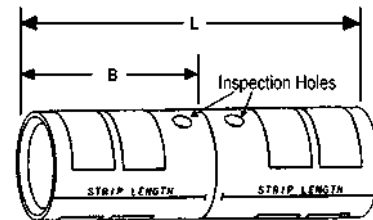
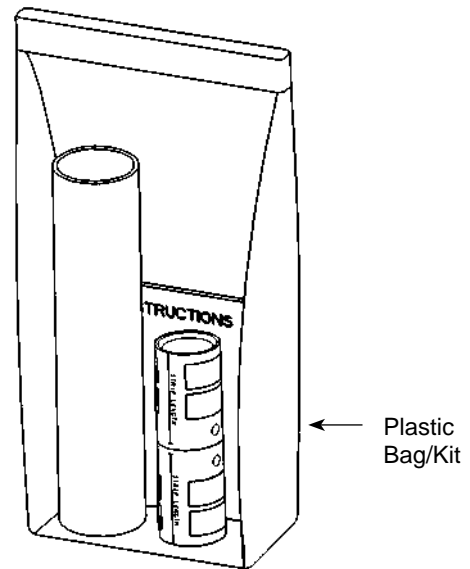
Type YS-TC kits are for splicing cables and covering the connection with clear heat shrink. Splices are constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin-plated to resist corrosion. Each YS-TC splice is provided with inspection holes and cable stops. The YS-TC family also features the BURNDY Engineered System of coordinated tools and dies.

Features & Benefits

- Each splice kit includes one YS-TC compression splice connector and heat shrink
- The YS-TC type compression splice connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- Barrels have 2 inspection windows on each side to allow for visual verification that the wire has been fully inserted prior to crimping the splice
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/standard length barrel is recommended for installations with limited space requirements and meet the exact UL testing requirements as long barrel connectors so performance of the connection is not compromised
- Connectors clearly marked with color coding

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

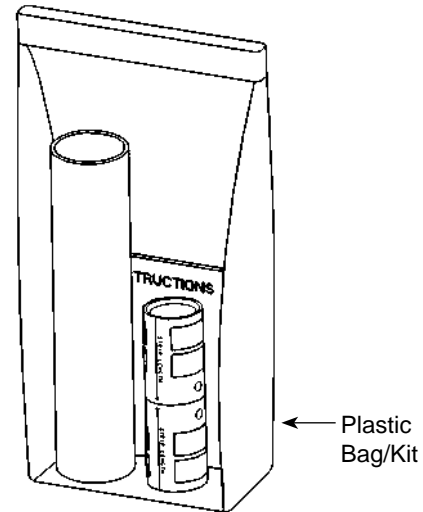


Compression Connections

Copper — Code / Flex — In Line Splice Kit
Standard Barrel — with Inspection Window

TYPE YS-TC (Continued)

HYREDUCER™ In-Line Standard Barrel
Splice Kits with Inspection Window



Clear Heat Shrink Kit Catalog Number	Wire Size		Barrel Type	Dimensions		Color Code	Die Index	Wire Strip Length
	AWG	mm ²		Barrel	Length			
YS44FXLTCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm ² Class 5	Standard	1.90	4.30	Yellow	L115	1.96
YS39LTCKITC	750 kcmil Code	—	Standard	1.62	3.68	Black	23	1.67
YS38FXLTCKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ² Class 5	Standard	1.71	3.87	Pink	L99	1.77
YS34LTCKITC	500 kcmil Code	240 mm ² Class 2	Standard	1.56	3.51	Brown	20	1.60
YS34FXLTCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ² Class 2	Standard	1.56	3.51	Blue	19 or L80	1.60
YS31LTCKITC	350 kcmil Code	185 mm ² Class 2	Standard	1.39	3.10	Red	17	1.42
YS29FXLTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	—	Standard	1.36	2.98	Yellow	16	1.38
YS28LTCKITC	4/0 AWG Code	—	Standard	1.23	2.69	Purple	15	1.24
YS26LTCKITC	2/0 AWG Code	70 mm ²	Standard	1.16	2.62	Black	13	1.10
YS26FXLTCKITC	2/0 AWG G,H,I,K,M DLO (325/24)	70 mm ² Class 5	Standard	1.09	2.41	Black	13	1.10
YS25LTCKITC	1/0 AWG Code	—	Standard	1.04	2.37	Pink	12	1.00
YS25FXLTCKITC	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ² Class 5	Standard	1.04	2.18	Pink	12	1.00
YS2CLTCKITC	#2 AWG Code	35 mm ² Class 5	Standard	0.82	1.88	Brown	10	0.78
YS2CFXLTCKITC	#2 AWG G,H,I,K,M DLO (150/24)	35 mm ² Class 5	Standard	0.82	1.73	Brown	10	0.78
YS4CFXLTCKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	—	Standard	0.74	1.69	Gray	8	0.71
YS6CFXLTCKITC	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ² Class 5 or Class 2	Standard	0.73	1.60	Blue	7 or 24	0.70
YS8CFXLTCKITC	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG, #6 SOL, #8 SOL	—	Standard	0.65	1.48	Red	49	0.62

* Clear Heatshrink – UL224 VW1 Listed – passes TELCORDIA GR-347-CORE Abrasion and Cut Test.
(Up to 750 kcmil Class B code cable. Contact factory for 750 flex cable applications.)
Note: All dimensions shown are for reference only.

TYPE YSR-TC

HYREDUCER™ In-Line Reducer Splice Kits Standard Barrel, with Inspection Window

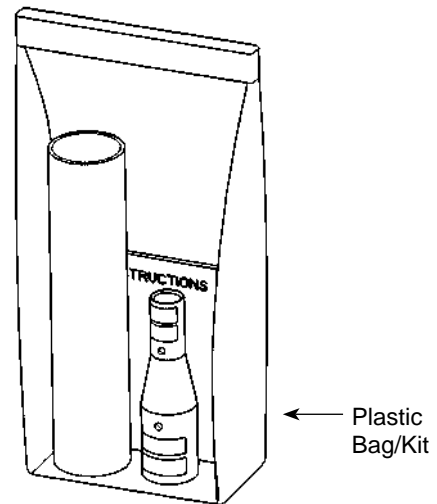
Type YSR-TC reducing splice kits provide for splicing two different cable sizes with inspection holes. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin plated to resist corrosion. The YSR-TC family also features the BURNDY® color code system.

Features & Benefits

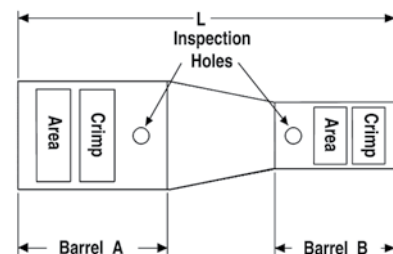
- Each splice kit includes one YSR-TC compression in-line splice reducer connector and heat shrink
- The YSR-TC type reducing compression splice connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- Barrels have 2 inspection windows on each side to allow for visual verification that the wire has been fully inserted prior to crimping the splice
- Designed configurations allow for copper code-to-code wire connections, copper code-to-flex wire connections, and copper flex-to-flex wire connections; see table for more complete details
- Barrel is designed with a taper to accommodate a main run wire that is reduced to a smaller tap wire
- Barrel also provided with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/standard length barrel is recommended for installations with limited space requirements and meet the exact UL testing requirements as long barrel connectors so performance of the connection is not compromised
- Connectors clearly marked with color coding
- Can be used in place of H-taps; the in-line design saves space in cable trays and other similar applications

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



Connector with Clear Heat Shrink Kit
Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Compression Connections

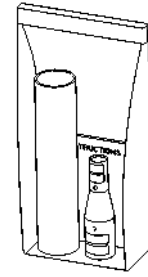
Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — with Inspection Window

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Standard Barrel Reducer
Splice Kits with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector							Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B		
YSR44FX39LTCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm ² Class 5	750 kcmil Code	-	2.09	1.78	4.38	Yellow	Black	L115	24	1.96	1.67
YSR44FX38FXLTCKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	2.09	1.60	4.61		Pink		L99	1.96	1.77
YSR44FX34LTCKITC			500 kcmil Code	240 mm ²	2.09	1.69	4.91		Brown		20	1.96	1.60
YSR44FX34FXLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	2.09	1.69	4.91		Blue		19 or L80	1.96	1.60
YSR44FX31LTCKITC			350 kcmil Code	185 mm ²	2.09	1.49	5.18		Red		18	1.96	1.41
YSR44FX30LTCKITC			300 kcmil Code	150 mm ²	2.09	1.30	5.01		White		17 or 298	1.96	1.24
YSR44FX29LTCKITC †			250 kcmil Code	-	2.09	1.44	5.53		Yellow		16	1.96	1.38
YSR44FX29FXLTCKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²	2.09	1.44	5.33		Yellow		16	1.96	1.38
YSR44FX28LTCKITC †			4/0 AWG Code	-	2.09	1.30	5.27		Purple		15	1.96	1.24
YSR44FX28FXLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²	2.09	1.40	5.46		Purple		15	1.96	1.36
YSR3939LTCKITC			750 kcmil Code	-	750 kcmil Code	-	1.78		1.78		4.13	Black	Black	24	24	1.67	1.67
YSR3938FXLTCKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²			1.78	1.88	3.79	Pink	L99	1.67	1.77		
YSR3934LTCKITC	500 kcmil Code	240 mm ²			1.78	1.69	4.09	Brown	20	1.67	1.60		
YSR3934FXLTCKITC	250 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²			1.78	1.69	4.09	Blue	19 or L80	1.67	1.60		
YSR3931LTCKITC	350 kcmil Code	185 mm ²			1.78	1.49	4.36	Red	18	1.67	1.41		
YSR3930LTCKITC	300 kcmil Code	150 mm ²			1.78	1.30	4.23	White	17 or 298	1.67	1.24		
YSR3929LTCKITC †	250 kcmil Code	-			1.78	1.44	4.71	Yellow	16	1.67	1.38		
YSR3929FXLTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²			1.78	1.44	4.59	Yellow	16	1.67	1.38		
YSR3928LTCKITC †	4/0 AWG Code	-			1.78	1.30	4.65	Purple	15	1.67	1.24		
YSR3928FXLTCKITC †	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²			1.78	1.40	4.64	Purple	15	1.67	1.36		

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

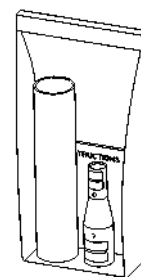
Separate Installation Tooling Chart follows.

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Standard Barrel Reducer
Splice Kits with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length		
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B		
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B				
YSR38FX34LTCKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	500 kcmil Code	240 mm ²	1.88	1.69	4.06	Pink	Brown	L99	20	1.77	1.60		
YSR38FX34FXLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	1.88	1.69	4.06		Blue		19 or L80	1.77	1.60		
YSR38FX31LTCKITC			350 kcmil Code	185 mm ²	1.88	1.49	4.33		Red		18	1.77	1.41		
YSR38FX30LTCKITC			300 kcmil Code	150 mm ²	1.88	1.30	4.20		White		17 or 298	1.77	1.24		
YSR38FX29LTCKITC †			250 kcmil Code	-	1.88	1.44	4.67		Yellow		16	1.77	1.38		
YSR38FX29FXLTCKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²	1.88	1.44	4.48		Yellow		16	1.77	1.38		
YSR38FX28FXLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²	1.88	1.40	4.60		Purple		15	1.77	1.36		
YSR38FX28LTCKITC †			4/0 AWG Code	-	1.88	1.30	4.62		Pink		Purple	L99	15	1.77	1.24
YSR38FX26FXLTCKITC †			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5	1.88	1.13	4.62				Black		13	1.77	1.09
YSR3434FXLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	1.69	1.69	3.51				Brown		Blue	20	19 or L80	1.60	1.60
YSR3431LTCKITC	350 kcmil Code	185 mm ²	1.69	1.49	3.66	Red	18	1.60	1.41						
YSR3429FXLTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²	1.69	1.44	3.81	Yellow	16	1.60	1.38						
YSR3428LTCKITC	4/0 AWG Code	-	1.69	1.30	3.95	Purple	15	1.60	1.24						
YSR3426FXLTCKITC †	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5	1.69	1.13	4.01	Black	13	1.60	1.09						
YSR3425FXLTCKITC †	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	1.69	1.04	4.01	Pink	12	1.60	1.00						
YSR34FX31LTCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	350 kcmil Code	185 mm ²	1.69	1.49	3.63	Blue	Red	19 or L80		18	1.60		1.41

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

Compression Connections

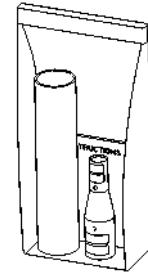
Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — with Inspection Window

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Standard Barrel Reducer
Splice Kits with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR34FX29FXLTCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm ²	1.69	1.44	3.81	Blue	Yellow	19 or L80	16	1.60	1.38	
YSR34FX28FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²	1.69	1.43	3.86		Purple		15	1.60	1.36	
YSR34FX28LTCKITC			4/0 AWG Code	-	1.69	1.30	3.95		Purple		15	1.60	1.24	
YSR34FX26FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5	1.69	1.13	3.94		Black		13	1.60	1.09	
YSR34FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	1.69	1.04	4.01		Pink		12	1.60	1.00	
YSR34FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	1.69	0.82	4.02		Brown		10	1.60	0.78	
YSR34FX4CFXLTCKITC ††			#4 AWG G,H,I,K,M DLO (105/24)	-	1.69	0.74	4.11		Gray		8	1.60	0.71	
YSR34FX6CFXLTCKITC ††			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	1.69	0.73	4.26		Blue		7	1.60	0.70	
YSR3129FXLTCKITC	350 kcmil Code	185 mm ² Class 2	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm ²	1.49	1.44	3.13	Red	Yellow	18	16	1.41	1.38	
YSR3128FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²	1.25	1.40	3.25		Purple		15	1.41	1.36	
YSR3128LTCKITC			4/0 AWG Code	-	1.49	1.30	3.27		Purple		15	1.41	1.24	
YSR3126FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5	1.49	1.16	3.24		Black		13	1.41	1.10	
YSR3125FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	1.49	1.04	3.33		Pink		12	1.41	1.00	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

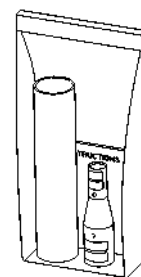
Separate Installation Tooling Chart follows.

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Standard Barrel Reducer Splice Kits with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length			
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B			
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B					
YSR312CFXLTCKITC	350 kcmil Code	185 mm ² Class 2	#2 AWG G,H,I,K,M DLO (150/24)	35 mm ²	1.49	0.82	3.37	Red	Brown	10	1.41	0.78				
YSR314CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.49	0.74	3.43		Gray				18	8	1.41	0.71
YSR316CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24)	16 mm ²	1.49	0.73	3.58		Blue				7	1.41	0.70	
YSR32FX29FXLTCKITC	300 kcmil G,H,I,K,M DLO (91/24)	185 mm ² Class 2	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm ²	1.57	1.44	3.50	Red	Yellow	19 or L80	16	1.48	1.38			
YSR32FX28FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²	1.57	1.43	3.46		Purple					15	1.48	1.36
YSR29FX28LTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²	4/0 AWG Code	-	1.44	1.30	3.00	Yellow	Purple	16	15	1.38	1.24			
YSR29FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24)	50 mm ²	1.44	1.04	3.10		Pink					12	1.38	1.00
YSR29FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24)	35 mm ²	1.44	0.82	3.13		Brown					10	1.38	0.78
YSR2825FXLTCKITC	4/0 AWG Code	-	1/0 AWG G,H,I,K,M DLO (275/24)	50 mm ²	1.30	1.04	2.66	Purple	Pink	15	12	1.24	1.00			
YSR282CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24)	35 mm ²	1.30	0.82	2.70		Brown					10	1.24	0.78
YSR284CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.30	0.74	2.69		Gray					8	1.24	0.71
YSR286CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24)	16 mm ²	1.30	0.73	2.99		Blue					7	1.24	0.70

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

Compression Connections

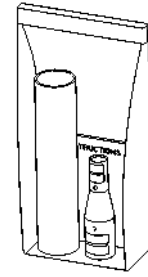
Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — with Inspection Window

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Standard Barrel Reducer
Splice Kits with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR28FX28LTCKITC	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²	4/0 AWG Code	-	1.43	1.27	3.00	Purple	Purple	15	15	1.36	1.24	
YSR28FX26FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5	1.43	1.13	2.94		Black		13	1.36	1.19	
YSR28FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	1.43	1.02	3.07		Pink		12	1.36	1.00	
YSR28FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	1.43	0.79	3.11		Brown		10	1.36	0.78	
YSR28FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.43	0.74	3.10		Gray		8	1.36	0.71	
YSR26FX25FXLTCKITC	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ²	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	1.16	1.04	2.36	Black	Pink	13	12	1.10	1.00	
YSR26FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	1.16	0.82	2.41		Brown		10	1.10	0.78	
YSR26FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.16	0.74	2.47	Black	Gray	13	8	1.10	0.71	
YSR26FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	1.16	0.73	2.71		Blue		7	1.10	0.70	
YSR25FX2CFXLTCKITC	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	1.04	0.82	2.12	Pink	Brown	12	10	1.00	0.76	
YSR25FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.04	0.74	2.18		Gray		8	1.00	0.62	
YSR25FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	1.04	0.63	2.42		Blue		7	1.00	0.61	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

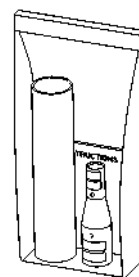
Separate Installation Tooling Chart follows.

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Standard Barrel Reducer
Splice Kits with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR25FX8CFXLTKITC †	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ² Str.-Flex	1.04	0.73	2.31	Pink	Red	12	49	1.01	.60	
YSR2CFX4CFXLTKITC	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	#4 AWG G,H,I,K,M DLO (105/24)	-	0.82	0.74	1.79	Brown	Gray	10	8	0.78	0.63	
YSR2CFX6CFXLTKITC			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	0.82	0.73	1.96		Blue		7	0.78	0.61	
YSR2CFX8CFXLTKITC			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ²	0.82	0.60	1.79		Red		49	0.78	0.60	
YSR4CFX6CFXLTKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	-	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	0.74	0.73	1.67	Gray	Blue	8	7	0.71	0.61	
YSR4CFX8CFXLTKITC			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ²	0.74	0.60	1.50		Red		49	0.71	0.60	
YSR4CFX10CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	0.74	0.66	1.66		—		—	0.71	0.65	
YSR6CFX8CFXLTKITC	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ²	0.73	0.60	1.37	Blue	Red	7	49	0.70	0.57	
YSR6CFX10CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	0.73	0.66	1.53		—		—	0.70	0.63	
YSR6CFX14CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	0.73	0.66	1.53		—		—	.70	.63	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

Compression Connections

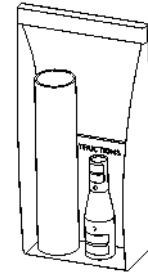
Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — with Inspection Window

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Standard Barrel Reducer
Splice Kits with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector						Wire Strip Length		
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B		
YSR8CFX10CLTCKITC	#8 AWG G,H,I,K,M DLO (37/24)	10 mm ²	#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	0.57	0.66	1.41	Red	—	49	—	0.57	0.63
YSR8CFX14CLTCKITC	#8 AWG #6 Sol #8 Sol		#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	0.57	0.66	1.41		—		—	0.57	0.63
YSR10CFX12CLTCKITC	#10 - #14 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	#14 - #10 AWG I,K,M #12 AWG Sol #10 AWG Sol DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	0.66	0.66	1.45	—	—	—	—	0.63	0.63
YSR10CFX14CLTCKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	0.66	0.66	1.45		—		—	0.63	0.63

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

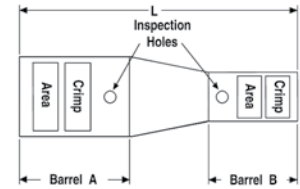
Separate Installation Tooling Chart follows.

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Standard Barrel with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.
Passes TELCORDIA GR-347-CORE Abrasion and
Cut Test up to 750 kcmil Class B code cable; contact
factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling											
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic 750, 35, 46* Series		Hydraulic 500 Series		Mechanical OUR840, MD734		Dieless 644 Series, MY2911, MRC840					
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B				
YSR44FX39LTCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm ² Class 5	750 kcmil Code	-	Yellow	Black	L115	24	U44XRT (2)	U39RT (2) P39RT (2)	-	-	-	-	-	644 Series (1)				
YSR44FX38FLTCKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²		Pink		L99		U38XRT (2)	-	-	-	-	-	-	-	-	-	644 Series (1)
YSR44FX34LTCKITC			500 kcmil Code	240 mm ²		Brown		20		U34RT (2)	W34VT (2) W34RT (2)	W34RT (2)	-	-	-	-	-	-	-	644 Series (1)
YSR44FX34FLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²		Blue		19 or L80		U32RT (2)	W32VT (2) W32RT (2)	W32VT (2)	-	-	-	-	-	-	-	644 Series (1)
YSR44FX31LTCKITC			350 kcmil Code	185 mm ²		Red		18		U31RT (2)	W31VT (2) W31RT (2)	W31VT (2)	-	-	-	-	-	-	-	644 Series (1)
YSR44FX30LTCKITC			300 kcmil Code	150 mm ²		White		17 or 298		U30RT (2)	W30VT (2) W30RT (2)	W30VT (2)	-	-	-	-	-	-	-	644 Series (1)
YSR44FX29LTCKITC †			250 kcmil Code	-		Yellow		16		U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	-	-	-	-	-	-	-	644 Series (1)
YSR44FX29FLTCKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²		Yellow		16		U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	-	-	-	-	-	-	-	644 Series (1)
YSR44FX28LTCKITC			4/0 AWG Code	-		Purple		15		U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) X28RT (3)	-	-	-	-	-	-	-	MY2911 (1) MRC840 (2) 644 Series (1)
YSR44FX28FLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²		Purple		15		U28RT (1)	W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (4)	-	-	-	-	-	-	-	MY2911 (1) MRC840 (2) 644 Series (1)
YSR3939LTCKITC	750 kcmil Code	-	750 kcmil Code	-	Black	Black	24	24	U39RT (2) P39RT (2)	U39RT (2) P39RT (2)	-	-	-	-	-	644 Series (1)				
YSR3938FLTCKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²		Pink		L99		U38XRT (2)	-	-	-	-	-	-	-	-	644 Series (1)	
YSR3934LTCKITC			500 kcmil Code	240 mm ²		Brown		20		U34RT (2)	W34VT (2) W34RT (2)	W34VT (2)	-	-	-	-	-	-	644 Series (1)	
YSR3934FLTCKITC			250 kcmil G,H	240 mm ²		Blue		19 or L80		U32RT (2)	W32VT (2) W32RT (2)	W32VT (2)	-	-	-	-	-	-	644 Series (1)	
YSR3931LTCKITC			350 kcmil Code	185 mm ²		Red		18		U31RT (2)	W31VT (2) W31RT (2)	W31VT (2)	-	-	-	-	-	-	644 Series (1)	
YSR3930LTCKITC			300 kcmil Code	150 mm ²		White		17 or 298		U30RT (2)	W30VT (2) W30RT (2)	W30VT (2)	-	-	-	-	-	-	644 Series (1)	
YSR3929LTCKITC			250 kcmil Code	-		Yellow		16		U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	-	-	-	-	-	-	644 Series (1)	
YSR3929FLTCKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²		Yellow		24		16	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	-	-	-	-	-	-	644 Series (1)
YSR3928LTCKITC †			4/0 AWG Code	-		Purple		24		15	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) X28RT (3)	-	-	-	-	-	-	MY2911 (1) MRC840 (2) 644 Series (1)
YSR3928FLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²		Purple		24		15	U28RT (1)	W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (4)	-	-	-	-	-	-	MY2911 (1) MRC840 (2) 644 Series (1)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

* 46 Series require the PUADP1 adapter for U-Dies.

Compression Connections

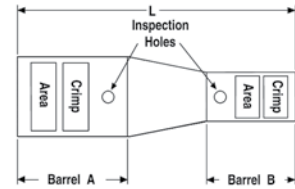
Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — with Inspection Window

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Standard Barrel with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.
Passes TELCORDIA GR-347-CORE Abrasion and
Cut Test up to 750 kcmil Class B code cable; contact
factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic 750, 35, 46' Series		Hydraulic 500 Series		Mechanical OUR840, MD734		Dieless 644 Series, MY2911, MRC840	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR38FX34LTCKITC	500 kcmil H,I,K 550 kcmil G,H,J DLO 535 (1325/24)	300 mm ²	500 kcmil Code	240 mm ²	Pink	Brown	L99	20	U38XRT (2)	U34RT (2)	W34VT (2) W34RT (2)	W34VT (2)	644 Series (1)	644 Series (1)		
YSR38FX34FXLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²						Blue	19 or L80	U32RT (2)		W32VT (2) W32RT (2)	W32VT (2)	644 Series (1)
YSR38FX31LTCKITC			350 kcmil Code	185 mm ²						Red	18	U31RT (2)		W31VT (2) W31RT (2)	W31VT (2)	644 Series (1)
YSR38FX30LTCKITC			300 kcmil Code	150 mm ²						White	17 or 298	U30RT (2)		W30VT (2) W30RT (2)	W30VT (2)	644 Series (1)
YSR38FX29LTCKITC †			250 kcmil Code	-						Yellow	16	U29RT (1)		W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	644 Series (1)
YSR38FX29FXLTCKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²						Yellow	16	U29RT (1)		W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	644 Series (1)
YSR38FX28FXLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²						Purple	15	U28RT (1)		W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (4)	MY2911 (1) MRC840 (2) 644 Series (1)
YSR38FX28LTCKITC †			4/0 AWG Code	-						Purple	15	U28RT (1)		W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	MY2911 (1) MRC840 (2) 644 Series (1)
YSR38FX26FXLTCKITC †			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5						Black	13	U26RT (1)		W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	MY2911 (1) 644 Series (1)
YSR3434FXLTCKITC	500 kcmil Code	240 mm ²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	Brown	Blue	19 or L80	U34RT (2) U31ART (2)	U32RT (2)	W32VT (2) W32RT (2)	W32VT (2)	644 Series (1)	644 Series (1)			
YSR3431LTCKITC			350 kcmil Code	185 mm ²					Red	18	U31RT (2)		W31VT (2) W31RT (2)	W31VT (2)	644 Series (1)	
YSR3429FXLTCKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²					Yellow	16	U29RT (1)		W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	644 Series (1)	
YSR3428LTCKITC			4/0 AWG Code	-					Purple	15	U28RT (1)		W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	MY2911 (1) MRC840 (2) 644 Series (1)	
YSR3426FXLTCKITC †			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5					Black	13	U26RT (1)		W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	MY2911 (1) 644 Series (1)	
YSR3425FXLTCKITC †			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²					Pink	12	U25RT (1)		W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY2911 (1) 644 Series (1)	

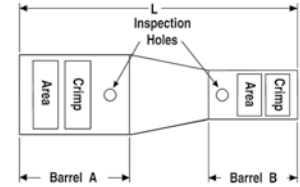
† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it. * 46 Series require the PUADP1 adapter for U-Dies.

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Standard Barrel with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.
Passes TELCORDIA GR-347-CORE Abrasion and
Cut Test up to 750 kcmil Class B code cable; contact
factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling												
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless						
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	750, 35, 46* Series		500 Series		OUR840, MD734		644 Series, MY2911, MRC840						
									Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B					
YSR34FX31LTCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	350 kcmil Code	185 mm ²	Blue	Black	19 or L80	18	U32RT (2)	U31RT (2)	U32RT (2)	W32VT (2)	W32VT (2)	W31VT (2)	W31VT (2)	644 Series (1)					
YSR34FX29FLTKITC			250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm ²				16									U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	644 Series (1)	
YSR34FX28FLTKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²				15									U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (2)	MY2911 (1) 644 Series (1)	
YSR34FX28LTCKITC			4/0 AWG Code	-				15									U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (2)	MY2911 (1) MRC840 (2) 644 Series (1)	
YSR34FX26FLTKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5				13									U26RT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	MY2911 (1) 644 Series (1)	
YSR34FX25FLTKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²				12									U25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY2911 (1) 644 Series (1)	
YSR34FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²				10									U2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	YIMRTC (2) MY2911 (1) 644 Series (1)	
YSR34FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-				8									U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	YIMRTC (2) MY2911 (1) 644 Series (1)	
YSR34FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²				7									U5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	YIMRTC (1) MY2911 (1) 644 Series (1)	
YSR3129FXLTCKITC	350 kcmil Code	185 mm ² Class 2	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm ²	Red	Purple	18	U31RT (2)	U29RT (1)	U31RT (2)	U31RT (2)	W31VT (2)	W31VT (2)	W31VT (2)	W31VT (2)	644 Series (1)					
YSR3128FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²													15	U28RT (1)	W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (4)	MY2911 (1) MRC840 (2) 644 Series (1)
YSR3128LTCKITC	350 kcmil Code	185 mm ² Class 2	4/0 AWG Code	-	Red	Black	18	U31RT (2)	U28RT (1)	U31RT (2)	U31RT (2)	W31VT (2)	W31VT (2)	W31VT (2)	W31VT (2)	644 Series (1)					
YSR3126FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5													13	U26RT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	MY2911 (1) 644 Series (1)
YSR3125FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²													12	U25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY2911 (1) 644 Series (1)
YSR312CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²													10	U2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	YIMRTC (2) MY2911 (1) 644 Series (1)
YSR314CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-													8	U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	YIMRTC (2) MY2911 (1) 644 Series (1)
YSR316CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²													7	U5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	YIMRTC (1) MY2911 (1) 644 Series (1)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it. * 46 Series require the PUADP1 adapter for U-Dies.

Compression Connections

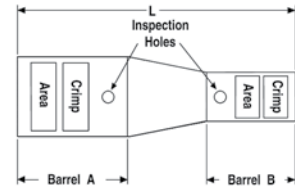
Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — with Inspection Window

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Standard Barrel with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.
Passes TELCORDIA GR-347-CORE Abrasion and
Cut Test up to 750 kcmil Class B code cable; contact
factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling												
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic 750, 35, 46" Series		Hydraulic 500 Series		Mechanical OUR840, MD734		Dieless 644 Series, MY2911, MRC840						
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B					
YSR32FX29FXLTCKITC	300 kcmil G,H,I,K,M DLO (91/24)	185 mm ² Class 2	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm ²	Red	Yellow	19 or L80	16	U31RT (2)	U29RT (1)	W31VT (2) W31RT (2)	W29VT (2) W29RT (2) X29RT (4)	W31VT (2)	W29VT (2) X29RT (4)	644 Series (1)	644 Series (1)					
YSR32FX28FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²		Purple											15	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	MY2911 (1) 644 Series (1)
YSR29FX28LTCKITC	250 kcmil Flex 5/0 AWG G,H,I,K,M DLO (550/24)	120 mm ²	4/0 AWG Code	-	Yellow	Purple	16	12	U29RT (1)	U28RT (1)	W29VT (2) W29RT (2) X29RT (4)	W28VT (2) W28RT (2) X28RT (3)	W29VT (2) X29RT (4)	W28VT (2) W28RT (2) X28RT (3)	644 Series (1)	MY2911 (1) MRC840 (2) 644 Series (1)					
YSR29FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²		Pink											12	U25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY2911 (1) 644 Series (1)
YSR29FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²		Brown											10	U2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	YIMRTC (2) MY2911 (1) 644 Series (1)
YSR2825FXLTCKITC	4/0 AWG Code	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	Purple	Pink	15	10	U28RT (1)	U25RT (1)	W28VT (2) W28RT (2) X28RT (3)	W25VT (2) W25RT (2) X25RT (2)	W28VT (2) W28RT (2) X28RT (3)	W25VT (2) W25RT (2) X25RT (2)	MY2911 (1) MRC840 (2) 644 Series (1)	MY2911 (1) 644 Series (1)					
YSR282CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²		Brown											10	U2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	YIMRTC (2) MY2911 (1) 644 Series (1)
YSR284CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-		Gray											8	U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	YIMRTC (2) MY2911 (1) 644 Series (1)
YSR286CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²		Blue											7	U5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	YIMRTC (1) MY2911 (1) 644 Series (1)
YSR28FX28LTCKITC	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²	4/0 AWG Code	-	Purple	Purple	15	13	U28RT (1)	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W26VT (2) W26RT (2) X26RT (2)	W28VT (2) W28RT (2) X28RT (3)	W26VT (2) W26RT (2) X26RT (2)	MY2911 (1) MRC840 (2) 644 Series (1)	MY2911 (1) 644 Series (1)					
YSR28FX26FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm ² Class 5		Black											13	U26RT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	
YSR28FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²		Pink											12	U25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY2911 (1) 644 Series (1)
YSR28FX2CFXLTCKITC	4/0 AWG Flex or Telco Flex	120 mm ²	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	Purple	Brown	15	10	U28RT (1)	U2CRT (1)	W28VT (2) W28RT (2) X28RT (3)	W2CVT (1) W2CRT (1) X2CRT (1)	W28VT (2) W28RT (2) X28RT (3)	W2CVT (1) W2CRT (1) X2CRT (1)	MY2911 (1) MRC840 (2) 644 Series (1)	YIMRTC (2) MY2911 (1) 644 Series (1)					
YSR28FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-		Gray											8	U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	YIMRTC (2) MY2911 (1) 644 Series (1)

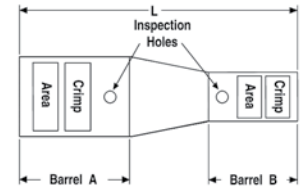
† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

* 46 Series require the PUADP1 adapter for U-Dies.

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Standard Barrel with Inspection Window

Connector with Clear Heat Shrink Kit
Clear heat shrink UL224 VW1 Listed.
Passes TELCORDIA GR-347-CORE Abrasion and
Cut Test up to 750 kcmil Class B code cable; contact
factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling																	
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic 750, 35, 46* Series		Hydraulic 500 Series		Mechanical OUR840, MD734		Dieless 644 Series, MY2911, MRC840											
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B										
YSR26FX25FLTKITC	2/0 AWG G,H,I,K,M DLO (275/24) 2/0 AWG	70 mm ²	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	Black	Pink	12	13	U26RT (1)	U25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY2911 (1) 644 Series (1)	MY2911 (1) 644 Series (1)										
YSR26FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²													Brown	10	U4CRT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	W25VT (1) W25RT (1) X25RT (1)	W25VT (1) W25RT (1) X25RT (1)	MY2911 (1) 644 Series (1)	MY2911 (1) 644 Series (1)
YSR26FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-													Gray	8	U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)
YSR26FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²													Blue	7	U5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	Y1MRCT (1) MY2911 (1) 644 Series (1)	Y1MRCT (1) MY2911 (1) 644 Series (1)
YSR25FX2CFXLTCKITC	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	Pink	Brown	10	12	U25RT (1)	U2CRT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	W25VT (1) W25RT (1) X25RT (1)	MY2911 (1) 644 Series (1)	MY2911 (1) 644 Series (1)										
YSR25FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-													Gray	8	U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)	
YSR25FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²													Blue	7	U5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	Y1MRCT (1) MY2911 (1) 644 Series (1)	Y1MRCT (1) MY2911 (1) 644 Series (1)
YSR25FX8CFXLTCKITC †			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ² Str-Flex													Red	-	U8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	Y8MRB1 (1) Y1MRCT (1) MY293 (1) MY2911 (1)	Y8MRB1 (1) Y1MRCT (1) MY293 (1) MY2911 (1)
YSR2CFX4CFXLTCKITC	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	#4 AWG G,H,I,K,M DLO (105/24)	-	Brown	Gray	10	10	U2CRT (1)	U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)										
YSR2CFX6CFXLTCKITC			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²													Blue	7	U5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)	
YSR2CFX8CFXLTCKITC			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ²													Red	49	U8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	Y8MRB1 (1) Y1MRCT (2) MY293 (1) MY2911 (1)	Y8MRB1 (1) Y1MRCT (2) MY293 (1) MY2911 (1)
YSR4CFX6CFXLTCKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	-	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	Gray	Blue	8	7	U4CRT (1)	U5CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	Y1MRCT (2) MY2911 (1) 644 Series (1)	Y1MRCT (1) MY2911 (1) 644 Series (1)										
YSR4CFX8CFXLTCKITC			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ²													Red	49	U8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	Y8MRB1 (1) Y1MRCT (2) MY293 (1) MY2911 (1)	Y8MRB1 (1) Y1MRCT (2) MY293 (1) MY2911 (1)	
YSR4CFX10CLTCKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str or 2.5 mm ² Flex													-	-	-	-	-	-	-	-	-	-

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it. * 46 Series require the PUADP1 adapter for U-Dies.

Compression Connections

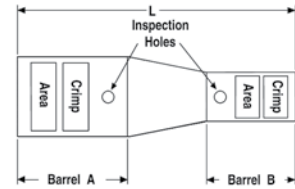
Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — with Inspection Window

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Standard Barrel with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.
Passes TELCORDIA GR-347-CORE Abrasion and
Cut Test up to 750 kcmil Class B code cable; contact
factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic 750, 35, 46* Series		Hydraulic 500 Series		Mechanical OUR840, MD734		Dieless 644 Series, MY2911, MRC840	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR6CFX8CFXLTCKITC	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ²	Red			49	U8CRT (1)		W8CVT (1) W8CRT (1) X8CRT (1)		W8CVT (1) W8CRT (1) X8CRT (1)		Y8MRB1 (1) Y1MRTC (1) MY293 (1) MY2911 (1)	Y8MRB1 (1) Y1MRTC (1) MY293 (1) MY2911 (1)
YSR6CFX10CLTCKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	Blue	-	7	-	U5CRT (1)	-	W5CVT (1) W5CRT (1) X5CRT (1)	-	W5CVT (1) X5CRT (1)	-	Y1MRTC (1) MY2911 (1)	Y8MRB1 (2) MR8G98 (2) Y10D (2)
YSR6CFX14CLTCKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex		-	-	-	-	-	-	-	-	-	-	-
YSR8CFX10CLTCKITC	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm ²	#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	Red	-	49	-	U8CRT (1)	-	W8CVT (1) W8CRT (1) X8CRT (1)	-	W8CVT (1) W8CRT (1) X8CRT (1)	-	Y8MRB1 (1) Y1MRTC (1) MY293 (1) MY2911 (1)	Y8MRB1 (2) MR8G98 (2) Y10D (2)
YSR8CFX14CLTCKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex		-	-	-	-	-	-	-	-	-	-	Y8MRB1 (2) MR8G98 (2) Y10D (2)
YSR10CFX12CLTCKITC	#10 - #14 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	#14 - #10 AWG I,K,M #12 AWG Sol #10 AWG Sol DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex	-	-	-	-	-	-	-	-	-	-	Y8MRB1 (2) MR8G98 (2) Y10D (2)	Y8MRB1 (2) MR8G98 (2) Y10D (2)
YSR10CFX14CLTCKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm ² Str. or 2.5 mm ² Flex		-	-	-	-	-	-	-	-	-	-	Y8MRB1 (2) MR8G98 (2) Y10D (2)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it. * 46 Series require the PUADP1 adapter for U-Dies.

TYPE YSR-TC

HYREDUCER™ In-Line Reducer Splice Kits Standard Barrel, No Inspection Window

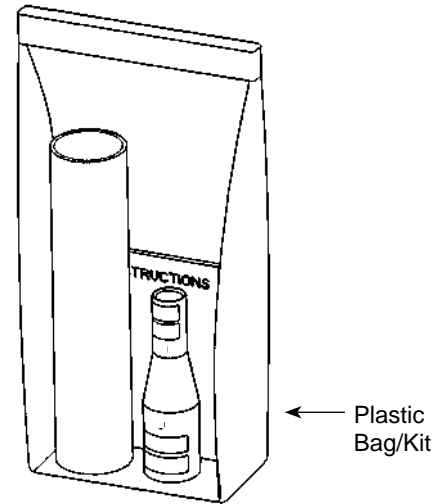
Type YSR-TC reducing splice kits provide for splicing two different cable sizes without inspection holes. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin plated to resist corrosion. The YSR-TC family also features the BURNDY® color code system.

Features & Benefits

- Each splice kit includes one YSR-TC compression in-line splice reducer connector and heat shrink
- The YSR-TC type reducing compression splice connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- No inspection window for more corrosive environments as the barrel transition is not open
- Designed configurations allow for copper code-to-code wire connections, copper code-to-flex wire connections, and copper flex-to-flex wire connections; see table for more complete details
- Barrel is designed with a taper to accommodate a main run wire that is reduced to a smaller tap wire
- Barrel also provided with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/standard length barrel is recommended for installations with limited space requirements and meet the exact UL testing requirements as long barrel connectors so performance of the connection is not compromised
- Connectors clearly marked with color coding
- Can be used in place of H-taps; the in-line design saves space in cable trays and other similar applications

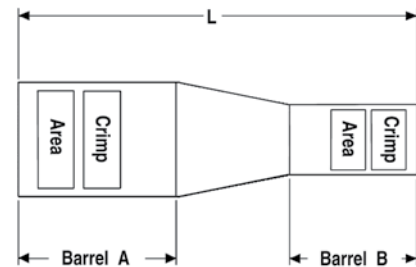
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Compression Connections

Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — No Inspection Window

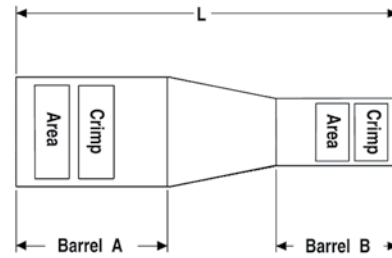
TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Standard Barrel Reducer
Splice Kits, No Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE

Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index				
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	
YSR44FX38FXLKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm ² Class 5	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	2.09	1.69	4.61	Yellow	Pink	L115	19 or L80	1.96	1.77	
YSR44FX34FXLKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	2.09	1.69	4.91		Blue				1.60	
YSR44FX29FXLKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.09	1.44	5.33		Yellow				16	1.38
YSR3938FXLKITC	750 kcmil Code	-	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	1.78	1.88	3.79	Black	Pink	24	19 or L80	1.67	1.77	
YSR3934FXLKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	1.78	1.69	4.09		Blue				1.60	
YSR3929FXLKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.78	1.44	4.51		Yellow				16	1.38
YSR38FX34FXLKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	1.88	1.69	4.06	Pink	Blue	L99	19 or L80	1.77	1.60	
YSR38FX29FXLKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.88	1.44	4.48		Yellow				16	1.38
YSR3434FXLKITC	500 kcmil Code	240 mm ²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	1.69	1.69	3.51	Brown	Blue	20	19 or L80	1.60	1.60	
YSR3429FXLKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.69	1.44	3.81		Yellow				16	1.38
YSR34FX29FXLKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.69	1.44	3.81	Blue	Yellow	19 or L80	16	1.60	1.38	
YSR3129FXLKITC	350 kcmil Code	185 mm ²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.49	1.44	3.13	Red	Yellow	18	16	2.34	2.29	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

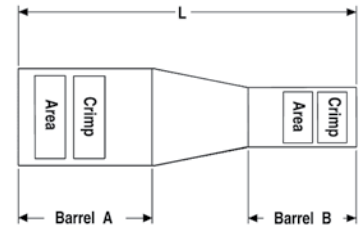
Separate Installation Tooling Chart follows.

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Standard Barrel No Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.
Passes TELCORDIA GR-347-CORE Abrasion and
Cut Test up to 750 kcmil Class B code cable; contact
factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling								
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless		
	AWG	mm²	AWG	mm²	Barrel A	Barrel B	Barrel A	Barrel B	750, 35, 46 Series		500 Series		OUR840, MD734		644 Series		
									Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	
YSR44FX38FXLKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm²		Pink		L99									
YSR44FX34FXLKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm² Class 5	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	Yellow	Blue	L115	19 or L80	U44XRT (2) P44XRT (2)	U34RT (2)	-	W34VT (2) W34RT (2)	-	W34VT (2)			644 Series (1)
YSR44FX29FXLKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-		Yellow		16		U29RT (2)		W29VT (2) W29RT (2) X29RT (4)		W29VT (2) X29RT (4)			
YSR3938FXLKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm²		Pink		L99		U38XRT (2)							
YSR3934FXLKITC	750 kcmil Code		350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	Black	Blue	24	19 or L80	U39RT (2) P39RT (2)	U32RT (2)	-	W32VT (2) W32RT (2)	-	W32VT (2)			644 Series (1)
YSR3929FXLKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Black	Yellow		16		U29RT (2)		W29VT (2) W29RT (2) X29RT (4)		W29VT (2) X29RT (4)			
YSR38FX34FXLKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²		Blue		19 or L80		U32RT (2)		W32VT (2) W32RT (2)		W32VT (2)			644 Series (1)
YSR38FX29FXLKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Pink	Yellow	L99	16	U38XRT (2)	U29RT (2)	-	W29VT (2) W29RT (2) X29RT (4)	-	W29VT (2) X29RT (4)			

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

* 46 Series require the PUADP1 adapter for U-Dies.
• P-RT for use in 46 Series tools only.

Compression Connections

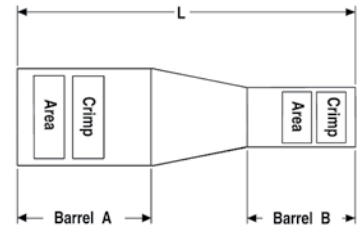
Copper — Code / Flex — Reducing Splice Kit
Standard Barrel — No Inspection Window

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Standard Barrel No Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.
Passes TELCORDIA GR-347-CORE Abrasion and
Cut Test up to 750 kcmil Class B code cable; contact
factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	750, 35, 46* Series		500 Series		OUR840, MD734		644 Series	
									Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR3434FXLKITC	500 kcmil Code	240 mm ²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	Brown	Blue	20	19 or L80	U34RT (2) U31ART (2)	U32RT (2)	W34VT (2) W34RT (2)	W32VT (2) W32RT (2)	W34VT (2)	W32VT (2)	644 Series (1)	
YSR3429FXLKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-												Yellow	16	U29RT (2)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)
YSR34FX29FXLKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Blue	Yellow	19 or L80	16	U32RT (2)	U29RT (2)	W32VT (2) W32RT (2)	W29VT (2) W29RT (2) X29RT (4)	W32VT (2)	W29VT (2) X29RT (4)	644 Series (1)	
YSR3129FXLKITC	350 kcmil Code	185 mm ²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Red	Yellow	18	16	U31RT (2)	U29RT (2)	W31VT (2) W31RT (2)	W29VT (2) W29RT (2) X29RT (4)	W31VT (2)	W29RT (2) X29RT (4)	644 Series (1)	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

* 46 Series require the PUADP1 adapter for U-Dies.
• P-RT for use in 46 Series tools only.

TYPE YSR-TC

HYREDUCER™ In-Line Long Barrel Reducer Splice Kits for Telecommunications Applications with Inspection Window

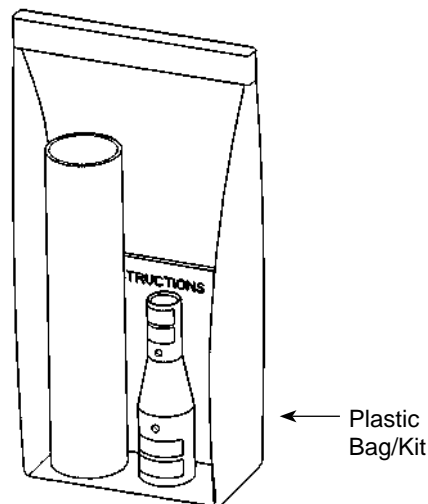
Type YSR-TC reducing splice kits provide for splicing two different cable sizes with inspection holes. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin plated to resist corrosion. The YSR-TC family also features the BURNDY® color code system.

Features & Benefits

- Each splice kit includes one YSR-TC compression in-line splice reducer connector and heat shrink
- The YSR-TC type reducing compression splice connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- Barrels have 2 inspection windows on each side to allow for visual verification that the wire has been fully inserted prior to crimping the splice
- Designed configurations allow for copper code-to-code wire connections, copper code-to-flex wire connections, and copper flex-to-flex wire connections; see table for more complete details
- Barrel is designed with a taper to accommodate a main run wire that is reduced to a smaller tap wire
- Barrel also provided with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Connectors clearly marked with color coding
- Can be used in place of H-taps; the in-line design saves space in cable trays and other similar applications

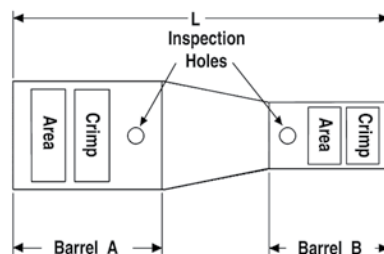
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Compression Connections

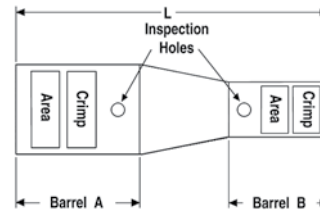
Copper — Code / Flex — Reducing Splice Kit
Long Barrel — with Inspection Window

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Long Barrel
Reducer Splice Kits, with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index			Barrel A	Barrel B
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR44FX39TCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm ² Class 5	750 kcmil Code	-	3.35	2.82	6.69	Yellow	Black	L115	24	3.09	2.71	
YSR44FX34TCKITC			500 kcmil Code	240 mm ²	3.35	2.75	7.23		Brown		20		2.66	
YSR44FX31TCKITC			350 kcmil Code	185 mm ²	3.35	2.51	7.47		Red		18		2.42	
YSR3931TCKITC	750 kcmil Code	-	350 kcmil Code	185 mm ²	2.82	2.51	6.43	Black	Red	24	18	2.71	2.42	
YSR3928TCKITC †			4/0 AWG Code	-	2.82	2.11	6.51		Purple		15		2.05	
YSR38FX31TCKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	350 kcmil Code	185 mm ²	3.03	2.51	6.51	Pink	Red	L99	18	2.93	2.47	
YSR38FX28TCKITC			4/0 AWG Code	-	3.03	2.11	6.59		Purple		15		2.05	
YSR3431TCKITC	500 kcmil Code	240 mm ²	350 kcmil Code	185 mm ²	2.75	2.51	5.74	Brown	Red	20	18	2.67	2.42	
YSR3428TCKITC			4/0 AWG Code	-	2.75	2.11	5.82		Purple		15		2.05	
YSR3425FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	2.75	1.66	5.69		Pink		12		1.68	
YSR34FX28TCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	4/0 AWG Code	-	2.75	2.11	5.82	Blue	Purple	19 or L80	15	2.67	2.05	
YSR34FX28FXTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	-	2.75	2.34	5.83		Purple		15		2.27	
YSR34FX25FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	2.75	1.66	5.69		Pink		12		1.61	
YSR3128TCKITC	350 kcmil Code	185 mm ²	4/0 AWG Code	-	2.51	2.11	5.10	Red	Purple	18	15	2.42	2.05	
YSR3125FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	2.51	1.66	4.97		Pink		12		1.61	
YSR312CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	2.51	1.33	4.91		Brown		10		1.29	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

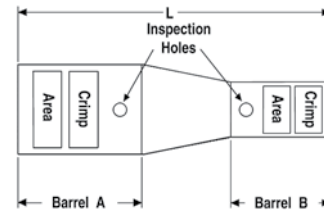
Separate Installation Tooling Chart follows.

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Long Barrel Reducer Splice Kits with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR32FX29FXTCKITC	300 kcmil G,H,I,K,M DLO 313 (775/24)	185 mm ² Class 2	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.48	2.34	5.30	Red	Yellow	19 or L80	16	2.40	2.27	
YSR32FX28FXTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²	2.48	2.34	5.28		Purple		15		2.27	
YSR29FX25FXTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	2.36	1.66	4.63	Yellow	Pink	16	12	2.29	1.61	
YSR29FX2CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	2.36	1.33	4.56		Brown		10		1.29	
YSR2825FXTCKITC	4/0 AWG Code	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	2.11	1.66	4.09	Purple	Pink	15	12	2.06	1.61	
YSR282CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	2.11	1.33	4.03		Brown		10		1.29	
YSR286CFXTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	2.11	1.17	4.25		Blue		7		1.15	
YSR26FX6CFXTCKITC †	2/0 AWG G,H,I,K,M DLO (325/24)	70 mm ²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	1.85	1.85	3.86	Black	Blue	13	7	1.80	1.85	
YSR25FX6CFXTCKITC †	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	1.66	1.17	3.48	Pink	Blue	12	7	1.63	1.24	
YSR2CFX6CFXTCKITC	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	1.33	1.17	2.88	Brown	Blue	10	7	1.30	1.24	
YSR4CFX6CFXTCKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	-	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	1.15	1.17	2.49	Gray	Blue	8	7	1.12	1.24	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

Compression Connections

Copper — Code / Flex — Reducing Splice Kit
Long Barrel — with Inspection Window

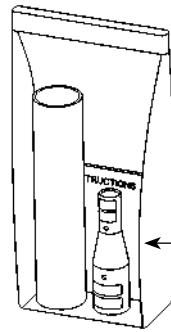
TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Long Barrel with Inspection Window

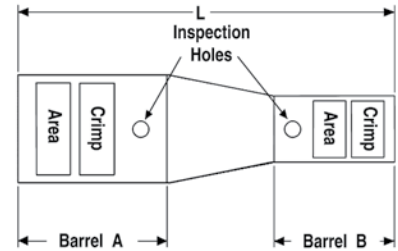
Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.

Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Plastic Bag/Kit



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic 750, 35, 46* Series		Hydraulic 500 Series		Mechanical OUR840, MD734		Dieless MY2911, MRC840, 644 Series	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR44FX39TCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm ² Class 5	750 kcmil Code	-	Yellow	Black	L115	24	U44XRT (4)	U39RT (4) P39RT (4)	-	-	-	644 Series (2)	644 Series (2)	
YSR44FX34TCKITC			500 kcmil Code	240 mm ²		Brown		20		U34RT (4)	-	W34VT (4) W34RT (4)	W31VT (4) W31RT (4)		644 Series (2)	
YSR44FX31TCKITC			350 kcmil Code	185 mm ²		Red		18		U31RT (4)	-	W31VT (4) W31RT (4)	W31VT (4) W31RT (4)		644 Series (2)	
YSR3931TCKITC	750 kcmil Code	-	350 kcmil Code	185 mm ²	Black	Red	24	18	U39RT (4) P39RT (4)	U31RT (4)	-	W31VT (4) W31RT (4)	-	W31VT (4)	644 Series (2)	644 Series (2)
YSR3928TCKITC †			4/0 AWG Code	-		Purple		15		U28RT (2)	-	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	644 Series (2)	MY2911 (2) MRC840 (4) 644 Series (2)	
YSR38FX31TCKITC	500 kcmil H,I,K 550 kcmil G,H,J DLO 535 (1325/24)	300 mm ²	350 kcmil Code	185 mm ²	Pink	Red	L99	18	U38XRT (4)	U31RT (4)	-	W31VT (4) W31RT (4)	-	W31VT (4)	644 Series (2)	644 Series (2)
YSR38FX28TCKITC			4/0 AWG Code	-		Purple		15		U28RT (2)	-	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	644 Series (2)	MY2911 (2) MRC840 (4) 644 Series (2)	
YSR3431TCKITC	500 kcmil Code	240 mm ²	350 kcmil Code	185 mm ²	Brown	Red	20	18	U34RT (4) U31ART (4)	U31RT (4)	-	W31VT (4) W31RT (4)	-	W31VT (4)	644 Series (2)	644 Series (2)
YSR3428TCKITC			4/0 AWG Code	-		Purple		15		U28RT (2)	W34VT (4) W34RT (4)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	644 Series (2)	MY2911 (2) MRC840 (4) 644 Series (2)	
YSR3425FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²		Pink		12		U25RT (2)	W34VT (4) W34RT (4)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	644 Series (2)	MY2911 (2) 644 Series (2)	
YSR34FX28TCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	4/0 AWG Code	-	Blue	Purple	19 or L80	15	U32RT (4)	U28RT (2)	-	-	W28VT (4) W28RT (4) X28RT (4)	644 Series (2)	MY2911 (2) MRC840 (4) 644 Series (2)	
YSR34FX28FXTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	-		Purple		15		U28RT (2)	W32VT (4) W32RT (4)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (4)	644 Series (2)	MY2911 (2) 644 Series (2)	
YSR34FX25FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²		Pink		12		U25RT (2) U2CABT (2)	W32VT (4) W32RT (4)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	644 Series (2)	MY2911 (2) 644 Series (2)	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

* 46 Series require the PUADP1 adapter for U-Dies.

• P-RT for use in 46 Series tools only.

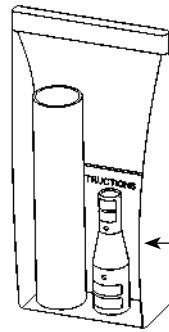
TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Long Barrel with Inspection Window

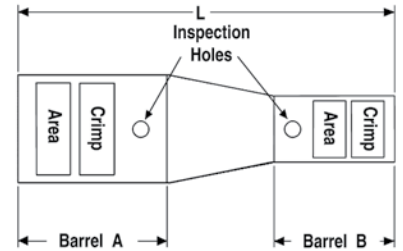
Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.

Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Plastic Bag/Kit



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling								
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic 750, 35, 46 Series		Hydraulic 500 Series		Mechanical OUR840, MD734		Dieless MY2911, MRC840, 644 Series		
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	
YSR3128TCKITC	350 kcmil Code	185 mm ²	4/0 AWG Code	-	Red	Purple	18	15	U31RT (4)	U28RT (2)	W31VT (4) W31RT (4)	W28VT (4) W28RT (4) X28RT (6)	W31VT (4)	W28VT (4) W28RT (4) X28RT (6)	644 Series (2)	MY2911 (2) MRC840 (4) 644 Series (2)	
YSR3125FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	Red	Pink	18	12	U31RT (4)	U25RT (2)	W31VT (4) W31RT (4)	W25VT (4) W25RT (4) X25RT (4)	W31VT (4)	W25VT (4) W25RT (4) X25RT (4)	644 Series (2)	MY2911 (2) 644 Series (2)	
YSR312CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²		Brown		10		U2CRT (2)		W2CVT (2) W2CRT (2) X2CRT (2)		W2CVT (2) W2CRT (2) X2CRT (2)			Y1MRTC (4) MY2911 (2) 644 Series (2)
YSR32FX29FXTCKITC	300 kcmil G,H,I,K,M DLO 313 (775/24)	185 mm ² Class 2	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Red	Yellow	16	U31RT (4)	U29RT (4)	W31VT (4) W31RT (4)	W29VT (4) W29RT (4) X29RT (8)	W31VT (4)	W29VT (4) X29RT (8)	644 Series (2)	644 Series (2)		
YSR32FX28FXTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm ²			Purple		15		U28RT (2)		W28VT (4) W28RT (4) X28RT (6)			W28VT (4) W28RT (4) X28RT (6)	MY2911 (2) 644 Series (2)
YSR29FX25FXTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	-	Yellow	Pink	16	U29RT (4)	U25RT (4)	W29VT (4) W29RT (4) X29RT (8)	W25VT (4) W25RT (4) X25RT (4)	W29VT (4) X29RT (8)	W25VT (4) W25RT (4) X25RT (4)	644 Series (2)	MY2911 (2) 644 Series (2)		
YSR29FX2CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²			Brown		10		U2CRT (2)		W2CVT (2) W2CRT (2) X2CRT (2)			W2CVT (2) W2CRT (2) X2CRT (2)	Y1MRTC (4) MY2911 (2) 644 Series (2)
YSR2825FXTCKITC	4/0 AWG Code	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	Purple	Brown	12	U28RT (2)	U25RT (2)	W28VT (4) W28RT (4) X28RT (6)	W25VT (4) W25RT (4) X25RT (4)	W28VT (4) W28RT (4) X28RT (6)	W25VT (4) W25RT (4) X25RT (4)	MY2911 (2) MRC840 (4) 644 Series (2)	MY2911 (2) 644 Series (2)		
YSR282CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²			15		10		U2CRT (2)		W2CVT (2) W2CRT (2) X2CRT (2)			W2CVT (2) W2CRT (2) X2CRT (2)	Y1MRTC (4) MY2911 (2) 644 Series (2)
YSR286CFXTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²			Blue		7		U5CRT (2)		W5CVT (2) W5CRT (2) X5CRT (2)			W5CVT (2) W5CRT (2) X5CRT (2)	Y1MRTC (4) MY2911 (2) 644 Series (2)

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Compression Connections

Copper — Code / Flex — Reducing Splice Kit
Long Barrel — with Inspection Window

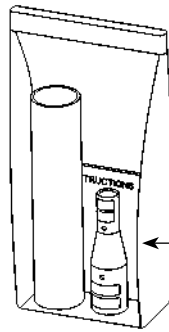
TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Long Barrel with Inspection Window

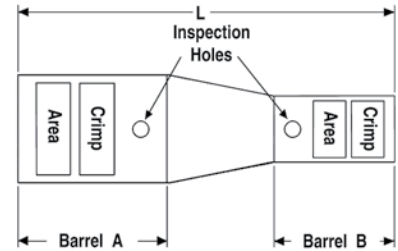
Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.

Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Plastic Bag/Kit



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	750, 35, 46 Series		500 Series		OUR840, MD734		MY2911, MRC840, 644 Series	
									Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR26FX6CFXTCKITC †	2/0 AWG G,H,I,K,M DLO (325/24)	70 mm ²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	Black	Blue	13	7	U26RT (2)	U5CRT (2)	W26VT (4) W26RT (4) X26RT (4)	W5CVT (2) W5CRT (2) X5CRT (2)	W26VT (4) W26RT (4) X26RT (4)	W5CVT (2) W5CRT (2) X5CRT (2)	MY2911 (2) 644 Series (2)	Y1MRTC (2) MY2911 (2)
YSR25FX6CFXTCKITC †	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm ²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	Pink	Blue	12	7	U25RT (2)	U5CRT (2)	W25VT (4) W25RT (4) X25RT (4)	W5CVT (2) W5CRT (2) X5CRT (2)	W25VT (4) W25RT (4) X25RT (4)	W5CVT (2) W5CRT (2) X5CRT (2)	MY2911 (2) 644 Series (2)	Y1MRTC (2) MY2911 (2)
YSR2CFX6CFXTCKITC	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm ²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	Brown	Blue	10	7	U2CRT (2)	U5CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	Y1MRTC (4) MY2911 (2) 644 Series (2)	Y1MRTC (2) MY2911 (2)
YSR4CFX6CFXTCKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	-	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm ²	Gray	Blue	8	7	U4CRT (2)	U5CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	Y1MRTC (4) MY2911 (2) 644 Series (2)	Y1MRTC (2) MY2911 (2)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

* 46 Series require the PUADP1 adapter for U-Dies.

• P-RT for use in 46 Series tools only.

TYPE YSR-TC

HYREDUCER™ In-Line Long Barrel Reducer Splice Kits, No Inspection Window

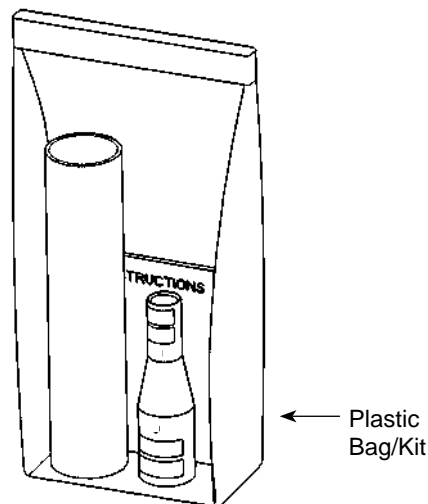
Type YSR-TC reducing splice kits provide for splicing two different cable sizes without inspection holes. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin plated to resist corrosion. The YSR-TC family also features the BURNDY® color code system.

Features & Benefits

- Each splice kit includes one YSR-TC compression in-line splice reducer connector and heat shrink
- The YSR-TC type reducing compression splice connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- No inspection window for more corrosive environments as the barrel transition is not open
- Designed configurations allow for copper code-to-code wire connections, copper code-to-flex wire connections, and copper flex-to-flex wire connections; see table for more complete details
- Barrel is designed with a taper to accommodate a main run wire that is reduced to a smaller tap wire
- Barrel also provided with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Connectors clearly marked with color coding
- Can be used in place of H-taps; the in-line design saves space in cable trays and other similar applications

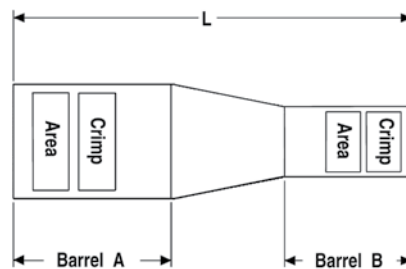
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



Compression Connections

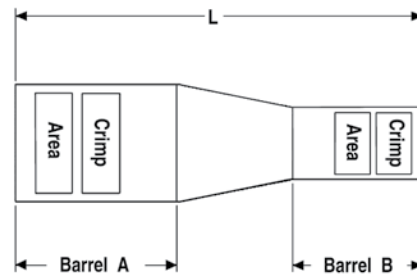
Copper — Code / Flex — Reducing Splice Kit
Long Barrel — No Inspection Window

TYPE YSR-TC (Continued)

HYREDUCER™ In-Line Long Barrel
Reducer Splice Kits, No Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE
Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for
750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index				
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	
YSR44FX38FXKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm ² Class 5	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	3.22	2.79	6.64	Yellow	Pink	L99	19 or L80	3.09	2.68	
YSR44FX34FXKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	3.22	2.56	6.91		Blue				2.47	
YSR44FX29FXKITC †			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	3.22	2.36	7.38		Yellow				16	2.29
YSR3938FXKITC	750 kcmil Code	-	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	2.82	2.79	5.74	Black	Pink	24	19 or L80	2.71	2.68	
YSR3934FXKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	2.82	2.56	6.00		Blue				2.47	
YSR3929FXKITC †			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.82	2.36	6.47		Yellow				16	2.29
YSR38FX34FXKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	2.79	2.56	5.83	Pink	Blue	L99	19 or L80	2.68	2.47	
YSR38FX29FXKITC			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.79	2.36	6.30		Yellow				16	2.29
YSR3434FXKITC	500 kcmil Code	240 mm ²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	2.56	2.56	5.12	Brown	Blue	20	19 or L80	2.47	2.47	
YSR3429FXKITC			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.56	2.36	5.59		Yellow				16	2.29
YSR34FX29FXKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.56	2.36	5.59	Blue	Yellow	19 or L80	16	2.67	2.29	
YSR3129FXKITC	350 kcmil Code	185 mm ²	350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.42	2.36	4.97	Red	Yellow	18	16	2.34	2.29	

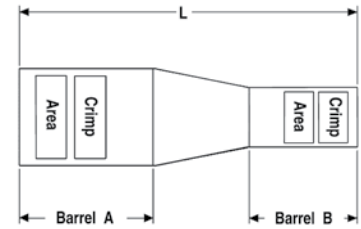
† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

TYPE YSR-TC (Continued)

INSTALLATION TOOLING CHART Long Barrel No Inspection Window

Connector with Clear Heat Shrink Kit
 Clear heat shrink UL224 VW1 Listed.
 Passes TELCORDIA GR-347-CORE Abrasion and Cut
 Test up to 750 kcmil Class B code cable; contact factory
 for 750 flex cable applications.



Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless	
	AWG	mm ²	AWG	mm ²	Barrel A	Barrel B	Barrel A	Barrel B	750, 35, 46* Series		500 Series		OUR840, MD734		644 Series	
									Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR44FX38FXKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²		Pink	L99	U44XRT (4)	U38XRT (4)							
YSR44FX34FXKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm ² Class 5	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	Yellow	Blue	L115 19 or L80	U44XRT (4) •P44XRT (4)	U32RT (4)	-	W32VT (4) W32RT (4)	-	W32VT (4)			644 Series (2)
YSR44FX29FXKITC †			350 kcmil Flex 40 AWG G,H,I,K,M DLO (550/24)	-		Yellow	16	U44XRT (4) •P44XRT (4)	U29RT (4)		W29VT (4) W29RT (4) X29RT (8)		W29VT (4) X29RT (8)			
YSR3938FXKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²		Pink	L99		U38XRT (4)							
YSR3934FXKITC	750 kcmil Code	-	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	Black	Blue	24 19 or L80	U39RT (4) P39RT (4)	U32RT (4)	-	W32VT (4) W32RT (4)	-	W32VT (4)			644 Series (2)
YSR3929FXKITC †			350 kcmil Flex 40 AWG G,H,I,K,M DLO (550/24)	-		Yellow	16		U29RT (4)		W29VT (4) W29RT (4) X29RT (8)		W29VT (4) X29RT (8)			
YSR38FX34FXKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (1325/24)	300 mm ²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²		Blue	L99 19 or L80	U38XRT (4)	U32RT (4)	-	W32VT (4) W32RT (4)	-	W32VT (4)			644 Series (2)
YSR38FX29FXKITC			350 kcmil Flex 40 AWG G,H,I,K,M DLO (550/24)	-		Yellow	16		U29RT (4)		W29VT (4) W29RT (4) X29RT (8)		W29VT (4) X29RT (8)			
YSR3434FXKITC	500 kcmil Code	240 mm ²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²		Blue	20 19 or L80	U34RT (4) U31ART (4)	U32RT (4)	W34VT (4) W34RT (4)	W32VT (4) W32RT (4)	W34VT (4)	W32VT (4)			644 Series (2)
YSR3429FXKITC			350 kcmil Flex 40 AWG G,H,I,K,M DLO (550/24)	-		Yellow	16		U29RT (4)		W29VT (4) W29RT (4) X29RT (8)		W29VT (4) X29RT (8)			
YSR34FX29FXKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm ²	350 kcmil Flex 40 AWG G,H,I,K,M DLO (550/24)	-	Blue	Yellow	19 or L80 16	U32RT (4)	U29RT (4)	W32VT (4) W32RT (4)	W29VT (4) W29RT (4)	W32VT (4)	W29VT (4) X29RT (8)			644 Series (2)
YSR3129FXKITC	350 kcmil Code	185 mm ²	350 kcmil Flex 40 AWG G,H,I,K,M DLO (550/24)	-	Red	Yellow	18 16	U31RT (4)	U29RT (4)	W31VT (4) W31RT (4)	W29VT (4) W29RT (4) X29RT (8)	W31VT (4)	W29VT (4) X29RT (8)			644 Series (2)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

* 46 Series require the PUADP1 adapter for U-Dies.
 • P-RT for use in 46 Series tools only.

TYPE YC-L

Thin Wall Copper C-Tap

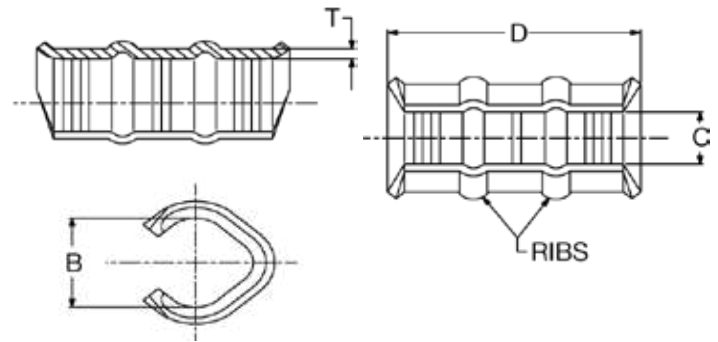
UL Listed 90° C, Up to 35 kV ◆



Type YC-L is a thin wall, high conductivity copper connector for making copper taps and parallel connections from #14 to 3/0 AWG. UL Listed and CSA Certified Wire Connectors per UL 486A-486B. Direct Burial Rating per UL 467 Grounding and Bonding Connector.

Features & Benefits

- Bare copper range taking C-tap that allows for less inventory as one C-tap can accommodate a multitude of wire combinations
- Reinforced ribs on the outside of the C-tap increases the mechanical holding strength of the connection
- Creates a compact connection that allows for easy taping and insulating
- Connectors include a color dot to ensure proper die and installation tooling is selected
- Manufactured from high conductivity wrought copper providing low resistance for excellent electrical conductivity
- Connectors are clearly marked with stamping and color dot
- UL Listed CSA Certified Wire Connectors per UL 486A-486B
- Four sizes are listed for Grounding and Bonding per UL 467 for Direct Burial in Earth or concrete
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



Catalog Number	Copper Conductor AWG †		No. of Ribs	Dimensions				Color Code	Installation Tooling						Wire Strip Length
									Mechanical			Hydraulic			
									Y122CMR Y1MRTC	MD6, OUR840, MD734R Die No. (# crimps)	Die ▲ Index Embossment	MD6, 500 Series (# crimps)	35, 750, 46* Series (# of crimps)	Die ▲ Index Embossment	
Run	Tap	B	C	D	T										
YC8L12	10 8	10 12	0	0.25	0.21	0.60	0.07	Blue	Blue (1)	W5CVT (1)	7	—	—	—	5/8
YC6L12	8 6	10-8 12-10	0	0.33	0.25	0.60	0.07	Gray	Gray (2)	W4CVT (1)	8	—	—	—	5/8
YC4L12	6 5,4	8-6 12-8	1	0.39	0.28	1.18	0.07	Brown	Brown (2)	W2CVT (2)	10	—	UC4 (1)	10M	1-3/16
YC3L12**	5,4 3	6-5 12-6	1	0.46	0.27	1.18	0.08	Green	—	W1CVT (2)	11	—	—	—	1-3/16
YC2L12	4 3 2	4 5 12-6	1	0.50	0.36	1.18	0.08	Pink	—	W25VT (2)	12	WC2 (1)	UC2 (1)	12M	1-3/16
YC1L12	3 2 1	4-3 5-4 12-5	2	0.55	0.34	1.75	0.08	Black	—	W26VT (3)	13	WC1 (2)	UC1 (1)	13M	1-13/16
YC25L12	2 1 1/0	3-2 4-3 12-4	2	0.62	0.42	1.75	0.09	Orange	—	W27VT (3)	14	WC25 (2)	UC25 (1)	14M	1-13/16
YC26L12	1 1/0 2/0	2-1 3-2 12-3	2	0.69	0.43	1.75	0.09	Purple	—	W28VT (3)	15	—	UC26 (1)	15	1-13/16
YC27L12	1/0 2/0 3/0	1-1/0 2-1 12-2	2	0.81	0.48	1.75	0.09	Yellow	—	W29VT (3)	16	—	—	—	1-13/16

▲ See tooling section of this catalog for complete tool and die listings.

† Refer to website for sales drawing with complete listing with solid/stranded copper conductor

* Use PUADP1 adapter with U dies in 46 Series

For Tin plating add TN suffix (example = YC10L12TN)

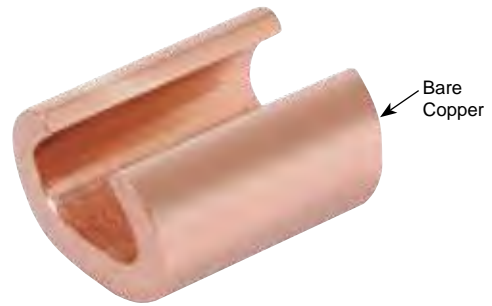
Note: All dimensions shown are for reference only.

** YC3L12 is NOT UL Listed or CSA Certified for Grounding and Bonding.

TYPE YC-C

Copper CRIMPIT™ C-Tap

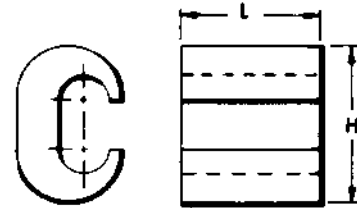
UL Listed 90° C, Up to 35 kV ♦



Type YC-C copper CRIMPIT™ connector is a range-taking C-shape compression connector for making tap or parallel copper connections from #12 solid to 4/0 stranded conductor.

Features & Benefits

- Bare copper standard (tin plated available)
- Range taking C-tap that allows for less inventory as one C-tap can accommodate a multitude of wire combinations
- Creates a compact connection that allows for easy taping and insulating
- Manufactured from high conductivity wrought copper providing low resistance for excellent electrical conductivity
- Connectors are clearly marked with stamping
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Copperweld-Copper Conductors

- 8A - Use CRIMPIT™ accommodating 6 str. Copper
- 6A - Use CRIMPIT™ accommodating 4 Str. Copper
- 4A - Use CRIMPIT™ accommodating 2 Str. Copper
- 2A - Use CRIMPIT™ accommodating 1/0 and 2/0 Copper

Catalog Number	Run	Tap	L	▲ Die Index	Tools, Die Set, Catalog Number, and (†No. of Crimps) ▲			CRIMPIT™ for 1 Str. Copper	
					MD6	OUR840	35, 750, 46* Series	Run	Tap
YC10C10 †	12 Sol.-10 Str.	12 Sol.- 10 Str.	.32	238	W238 (1)	W238 (1)	U238 (1)	—	—
YC8C8	8 Sol.-8 Str.	10 Sol.- 8 Str.	.50	162	W162 (2)	W162 (2)	U162** (1)	—	—
YC4C8	6 Sol.-4 Str.	8 Sol.- 8 Str.	.62	BG or 5/8	BG (2) WBG** (1)	XBG (2) XNBG (2)	UBG (1)	—	—
YC4C6		6 Sol.- 6 Str.	.57						
YC4C4		6 Sol.- 4 Str.	.57						
YC2C4	4 Sol.-2 Str.	8 Sol.- 4 Str.	.67	C	WC (2)	—	UC (1)	1 Str. §	6, 8 Str., 8 Sol.
YC2C2	2 Sol.-2 Str.	2 Sol.- 2 Str.	.92	E or O	—	—	UE (3) UO (1)	—	—
YC26C2	1/0 Sol.-2/0 Str.	8 Sol.- 2 Str.	.92	E or O	—	—	UE (3) UO (1)	1 Str. §	1 or 2 Str.
YC26C26		1/0 Sol.- 2/0 Str.	—	—	—	—	—	—	—
YC28C2	3/0 Sol.-4/0 Str.	6 Sol.- 2 Str.	1.07	F or D3	—	—	UF (3) UD3** (1)	—	—
YC28C26		1/0 Sol.- 2/0 Str.	—	—	—	—	—	—	—
YC28C28		3/0 - 4/0 Str.	—	—	—	—	—	—	—

† Not UL Listed.

▲ See tooling section of this catalog for complete tool and die listings.

§ Not UL Listed or CSA Certified with this conductor size in run.

* Use PUADP1 adapter when using U dies in the 46 Series.

** Multiple crimp die set. Makes more than one crimp per tool compression. Figure () indicates number of compressions.

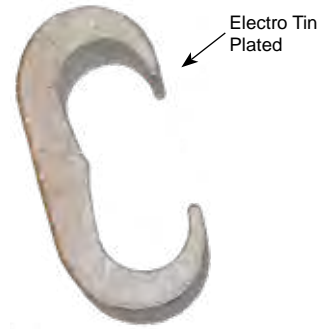
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPE YCHC

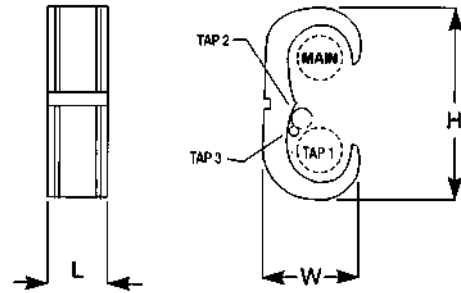
Copper CRIMPIT™ C-Tap

UL Listed 90° C, Up to 35 kV ♦



Features & Benefits

- Range taking C-tap that allows for less inventory as one C-tap can accommodate a multitude of wire combinations
- Accommodates a wide range of run/tap combinations
- Manufactured from high conductivity wrought copper providing low resistance for excellent electrical conductivity
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Each connector has a recommended UL Listed / CSA Certified insulating cover available in both black and clear (see table); clear cover allows for easy inspection of the connection (see separate page for full details on Type CCFR-FR and CFR-FR Covers)
- Connectors are clearly marked with stamping
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



BURNDY Catalog Number	Flame Retardant Cover		Conductor Sizes Code/(Flex) Cable				▲ Tooling († No. of Crimps)						▲ Die Index & Embossment	H	W	L	Strip Length	
	Clear Cat. No.	Black Cat. No. ‡	Main	Tap 1	Tap 2	Tap 3	35 Series	†	750 Series	†	46* Series	†						Color Code
YCHC44TC44	CCFRFR	CFRFR	1000-750 (750-500)	1000-750 (750-500)	—	—	—	—	—	—	P1102	1	White	1102	3.59	1.73	1.16	1-1/4"
YCHC39TC39	CCFRFR	CFRFR	750-500 (550-500)	750-350 (550-350)	—	—	—	—	—	—	P1103	1	Blue	1103	3.12	1.53	1.06	1-1/8"
YCHC39TC31	CCFRFR	CFRFR	750-500 (550-500)	350-2 (250-2)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	—	P1103	1	Blue	1103	2.96	1.53	1.31	1-3/8"
YCHC39TC2	CCFRFR	CFRFR	750-500 (550-500)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	—	—	P1103	1	Blue	1103	2.66	1.53	1.31	1-3/8"
YCHC34TC34	CCFNFR	CFNFR	500-4/0 (350-4/0)	500-4/0 (350-4/0)	—	—	—	—	U1104	2	U1104	1	Brown	1104	2.97	1.38	1.00	1-1/4"
YCHC34TC29	CCFNFR	CFNFR	500-4/0 (350-4/0)	250-2 (4/0-2)	2-6 Str./Sol. (2-8)	—	—	—	U1104	2	U1104	1	Brown	1104	2.45	1.26	0.88	1"
YCHC34TC2	CCFNFR	CFNFR	500-4/0 (350-4/0)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	U1104	2	U1104	1	Brown	1104	2.45	1.26	0.94	1"
YCHC29TC29	CCFDXFR	CFDFR	250-2 (4/0-2)	250-2 (4/0-2)	—	—	—	—	U997	1	U997	1	Orange	997	2.12	.98	0.94	1"
YCHC29TC2	CCFDFR	CFDFR	250-2 (4/0-2)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	U251	1	U251	1	Red	251	1.78	.97	0.81	1"
YCHC2TC2	CCFOFR	CFOFR	2-6 Str./Sol. (2-8)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	UC	1	UC	1	UC	1	Brown	C	1.22	.60	0.81	1"
YCHC8TC8	♦	♦	8-12 (8-12)	8-12 (8-12)	—	—	U240	1	U240	1	U240	1	Red	240	0.53	.35	0.56	5/8"

Note: To properly use tap 2 and/or tap 3 conductors in YCHC connector a conductor from the tap 1 cable range must be included in the tap 1 groove.

‡ To obtain covers made of polyethylene remove suffix-FR (example: CFO). CFO is not flame retardant.

* Use PUADP1 adaptor with U dies in 46 Series.

▲ See tooling section of Master Catalog for complete tool and die listings.

♦ For applications requiring flame retardant cover, use either a CCFBG-FR (Clear) or CFBG-FR (Black) cover and YH2C2C connector by ordering YH8C8CWCC (Clear) or YH8C8CWC (Black).

Note: All dimensions shown are for reference only.

TYPE YH

H-Tap Copper CRIMPIT™

UL Listed 90° C, Up to 35 kV ♦



Features & Benefits

- Range taking H-tap that allows for less inventory as one H-tap can accommodate a multitude of wire combinations
- H-Tap Copper CRIMPIT™ also accommodates a wide range of run and tap combinations
- The tap grooves act independently; the use of one run and one tap wire is required when using this connector for making a connection
- Designs with more than one tap wire groove require installers to utilize only the run and one tap groove; the other tap grooves can be left empty
- The “third hand” is a string provided with the H-tap connector used to wrap the wire while being inserted into the run and tap grooves; this feature constrains the wire while the installer applies the recommended number of crimps
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Each connector has a recommended UL Listed / CSA Certified insulating cover available in both black and clear (see table); clear cover allows for easy inspection of the connection (see separate page for details on Type CCF-FR and CFR-FR Covers)
- Connectors clearly marked with color coding to ensure proper die and installation tooling is selected
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

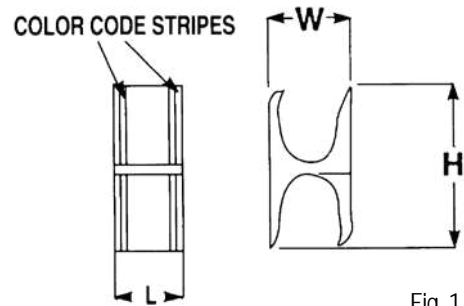
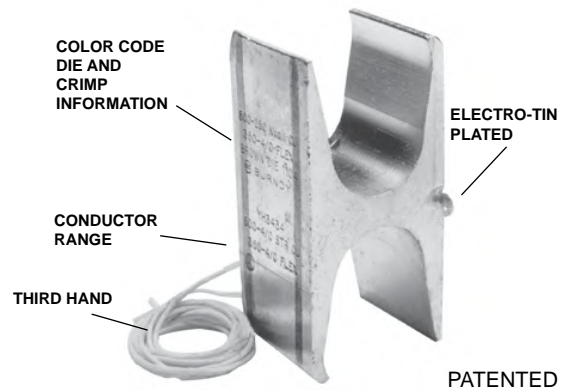


Fig. 1

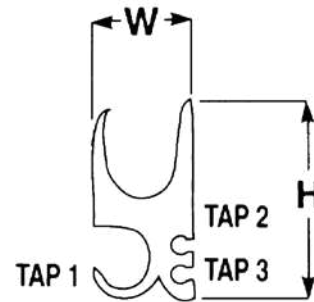


Fig. 2

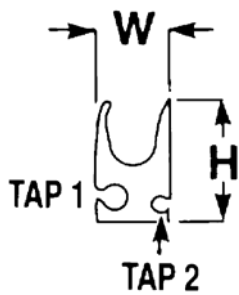


Fig. 3

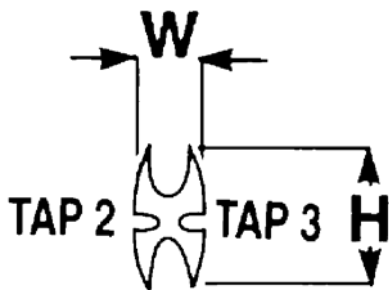


Fig. 4



Fig. 5

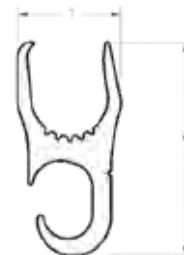


Fig. 6

TYPE YH (Continued)

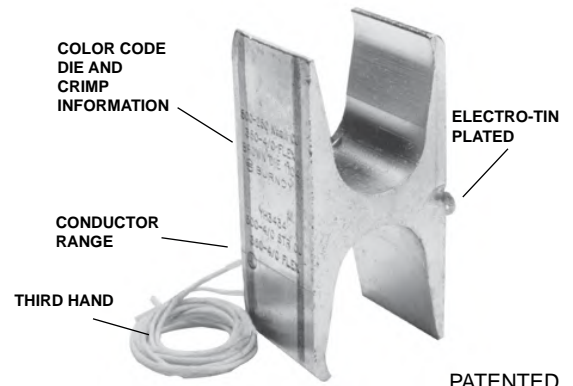


TABLE 1 CODE CONDUCTOR AND METRIC EQUIVALENT

H-Tap Connector	Kit Catalog Number		Conductor Sizes Code/(Flex Cable)					Metric Conductor Sizes (mm ²)			
	Flame Retardant Cover		Fig. No.	Main	Tap 1	Tap 2	Tap 3	Main	Tap 1	Tap 2	Tap 3
	Clear	Black †									
YH4444	YH4444WCC	YH4444WC	1	1000-750 (750-500) (750)	1000-750 (750-500) (750)	—	—	500-400	500-400	—	—
YH4434	YH4434WCC*	YH4434WC	6	1000-750 (750-500) (750)	500-250 (350-4/0)	—	—	1000-750 (777-500) (777-750)	500-350 (350 FX)	—	—
YH4429	YH4429WCC	YH4429WC	5	1000-750 (777-500)	250-2 (4/0-2)	—	—	500-400	150-35	—	—
YH3939	YH3939WCC	YH3939WC	1	750-500 (550-500)	750-350 (550-313)	—	—	300-300	300-185	—	—
YH3931	YH3931WCC	YH3931WC	2	750-350 (550-500)	4/0-1/0 (250-1/0)	1-6 Str/Sol (1-8)	2-14 (2-14)	300-185	95-70	35-16	35-2.5
YH3434	YH3434WCC	YH3434WC	1	500-250 (350-4/0)	500-4/0 (350-4/0)	—	—	240-150	240-120	—	—
YH3429	YH3429WCC	YH3429WC	2	500-4/0 (350-4/0)	250/1/0 (4/0-1/0)	1-6 Str/Sol (1-8)	8-14 (8-14)	240-120	120-70	35-16	6-2.5
YH2929	YH2929WCC	YH2929WC	1	250-2 (4/0-2)	250-2 (4/0-2)	—	—	120-35	120-35	—	—
YH292C	YH292CWCC	YH292CWC	3	250-2 (4/0-2)	2-6 Str/Sol (2-8)	8-14	—	120-35	35-16	6-2.5	—
YH298C	YH298CWCC	YH298CWC	3	250-2 (4/0-2)	8-14	8-14	—	120-35	6-2.5	6-2.5	—
YH2C2C	YH2C2CWCC	YH2C2CWC	4	2-6 Str/Sol (2-8)	2-6 Str/Sol (2-8)	8-14	8-14	35-16	35-16	6-2.5	6-2.5
YH6C6C	YH6C6CWCC	YH6C6CWC	1	6-10 (6-10)	6-14 (6-14)	—	—	10-6	10-2.5	—	—
YH8C8C	YH8C8CWCC	YH8C8CWC	4	8-14 (8-14)	8-14 (8-14)	—	—	6-2.5	6-2.5	—	—

• Use PUADP1 adaptor with U dies in 46 Series.

* Not CSA Certified.

▲ See tooling section of this catalog for complete tool and die listings.

Note: All H-Taps ROHS compliant.

Note: All dimensions shown are for reference only.

TYPE YH (Continued)

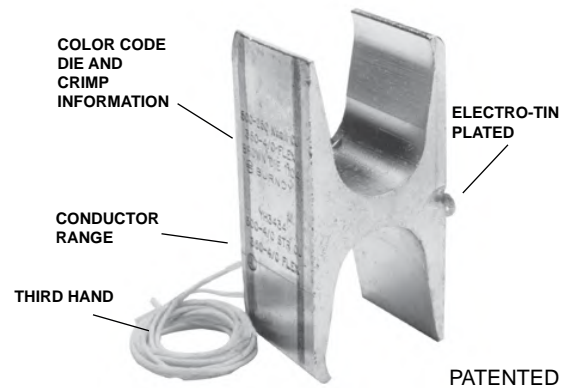


TABLE 2 FLEX AND METRIC CONDUCTOR RANGES

Catalog Number		Maximum Conductor in Range	Maximum Metric Dimensions	Diameter mm	Minimum Conductor in Range	Minimum Metric Dimensions	Diameter mm
		Flex Conductor (AWG/kcmil)	mm ²		Flex Conductor (AWG/kcmil)	mm ²	
YH4444	Main	777	393	28	500	253	24
	Tap 1	777	393	28	500	253	24
	Main	777	393	28	750	380	31
YH4434	Tap 1	—	—	—	350	177	20
YH4429	Main	777	393	28	500	253	24
	Tap 1	4/0	107	15.5	2	33.6	8
YH3939	Main	550	278	25	500	253	24
	Tap 1	550	278	25	2	177	20
YH3931	Main	550	278	25	500	253	24
	Tap 1	250	126	17	1/0	53.5	11
	Tap 2	1	42	9	8	8	4
	Tap 3	2	33.6	8	14	2	2
YH3434	Main	350	177	20	4/0	107	15.5
	Tap 1	350	177	20	4/0	107	15.5
YH3429	Main	350	177	20	4/0	107	15.5
	Tap 1	4/0	107	15.5	1/0	53	11
	Tap 2	1	42	9	8	8	4
	Tap 3	8	8	4	14	2	2
YH2929	Main	4/0	107	15.5	2	33.6	8
	Tap 1	4/0	107	15.5	2	33.6	8
YH292C	Main	4/0	107	15.5	2	33.6	8
	Tap 1	2	33.6	8	8	8	4
	Tap 2	8	107	4	14	2	2
YH298C	Main	4/0	107	15.5	2	33.6	8
	Tap 1	8	8	4	14	2	2
	Tap 2	8	8	4	14	2	2
YH2C2C	Main	2	33.6	8	8	8	4
	Tap 1	2	33.6	8	8	8	4
	Tap 2	8	8	4	14	2	2
	Tap 3	8	8	4	14	2	2
YH6C6C	Main	6	13	5	10	5	3
	Tap 1	6	13	5	14	2	2
YH8C8C	Main	8	8	4	14	2	2
	Tap 1	8	8	4	14	2	2

• Use PUADP1 adaptor with U dies in 46 Series.
▲ See tooling section of this catalog for complete tool and die listings.

* Not CSA Certified.
Note: All H-Taps ROHS compliant.
Note: All dimensions shown are for reference only.

TYPE YH (Continued)

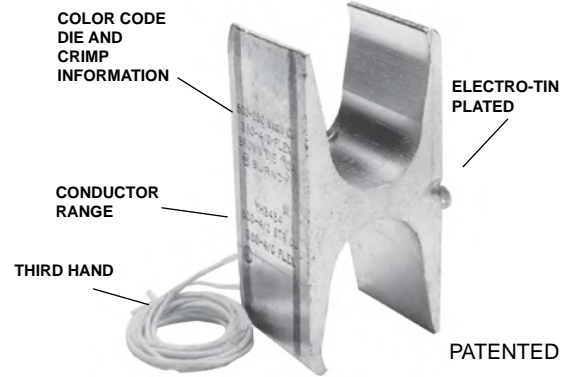


TABLE 3 INSTALLATION TOOLING + DIMENSIONS

Catalog Number	Kit Catalog Number		▲ Tooling († No. of Crimps)								▲ Die Index & Embossment	H	W	Length	Strip Length
	Flame Retardant Cover		Fig. No.	35 Series	†	750 Series	†	46* Series	†	Color Code					
	Clear	Black ‡													
YH4444	YH4444WCC	YH4444WC	1	—	—	—	—	P1102	1	White	1102	3.38	1.70	24	1-1/8
YH4434	YH4434WCC*	YH4434WC	6	—	—	—	—	P1102	1	Yellow	KR	3.38	1.70	1.00	1-3/8
YH4429	YH4429WCC	YH4429WC	5	—	—	—	—	PYFR	1	Yellow	KR	3.22	1.70	1.00	1-3/8
YH3939	YH3939WCC	YH3939WC	1	—	—	—	—	PYFR	1	Yellow	KR	2.97	1.50	1.25	1-3/8
YH3931	YH3931WCC	YH3931WC	2	—	—	—	—	PYFR	1	Yellow	KR	2.97	1.50	0.95	1-1/16
YH3434	YH3434WCC	YH3434WC	1	—	—	U1104M U1104	1 2	P1104 U1104M	1	Brown	1104	2.43	1.15	1.00	1-1/8
YH3429	YH3429WCC	YH3429WC	2	—	—	U1104M U1104	1 2	P1104 U1104M	1	Brown	1104	2.23	1.31	1.00	1-1/8
YH2929	YH2929WCC	YH2929WC	1	—	—	U654	1	U654 P654	1	Purple	654	1.85	.90	0.90	1-1/16
YH292C	YH292CWCC	YH292CWC	3	—	—	U654	1	U654 P654	1	Purple	654	1.52	.90	0.90	1-1/16
YH298C	YH298CWCC	YH298CWC	3	—	—	U654	1	U654 P654	1	Purple	654	1.52	.90	0.90	1-1/16
YH2C2C	YH2C2CWCC	YH2C2CWC	4	U-C	1	UC	1	UC	1	Brown	C	1.25	.60	0.75	7/8
YH6C6C	YH6C6CWCC	YH6C6CWC	1	UBGRT	1	UBGRT	1	UBGRT	1	Orange	BG	0.81	.39	0.60	3/4
YH8C8C	YH8C8CWCC	YH8C8CWC	4	U11T1	1	U11T1	1	U11T1	1	Green	11	0.63	.40	0.60	3/4

• Use PUADP1 adaptor with U dies in 46 Series.

* Not CSA Certified.

▲ See tooling section of this catalog for complete tool and die listings.

Note: All H-Taps ROHS compliant.

Note: All dimensions shown are for reference only.

TYPE CF-FR

H-Tap Flame Retardant Cover

UL Listed 90° C, Up to 600 Volts



Features & Benefits

- Insulation cover that has a one-piece hinge design so not extra hardware is required
- After an H-tap connection is made, the appropriate CF-FR cover can be used to slip over the connection and latches securely shut
- The use of the insulation cover eliminates the need to tape the connection, making this solution a fast and reliable method of insulating
- Flash Barrier; the cover is designed to protect against electrical flashover
- Type CF-FR cover material has a UL94 V-O Flame rating with a minimum 28 oxygen index that indicate self-extinguishing retardant properties
- Covers are clearly marked with lettering
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Catalog Number	Max. Conductor Accommodated	Matched H Copper CRIMPIT™	Max. Connector Length	Connector Color Code
CFBGFR	#8 AWG	YH8C8C	0.65	Green
	#6 AWG	YH6C6C	0.65	Orange
CFOFR	#2 AWG	YH2C2C	0.80	Brown
CFDFR	250 kcmil	YH292C, YH298C, YH2929	0.95	Purple
CFNFR	500 kcmil	YH3434, YH3429*	1.10	Brown
CFRFR	750 kcmil	YH3939, YH3931, YH4429	1.30	Yellow
	1000 kcmil	YH4434, YH4444	1.10	White

* Use CFN-FR for single tap installation; use CFR-FR when 2 or more tap conductors are installed.

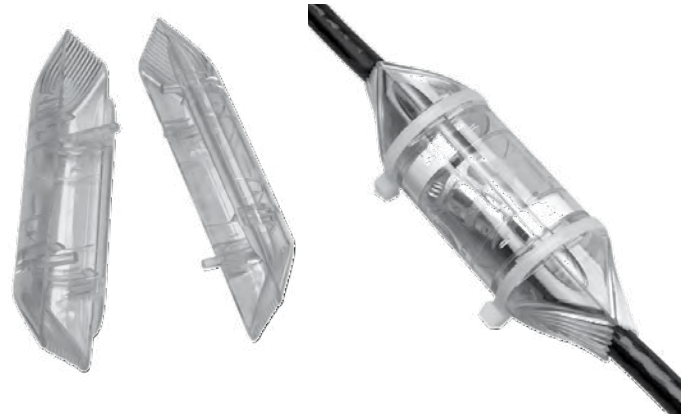
† Two-piece design packaged together.

Note: All dimensions shown are for reference only.

TYPE CCF-FR

Clear H-Tap Flame Retardant Cover

UL Listed 90° C, Up to 600 Volts



Features & Benefits

- Insulation cover that has a two-piece design with positive locking latch to ensure correct installation; prevents opening after installation
- After an H-tap connection is made, the appropriate Type CCF-FR cover can be used to slip over the connection and latch securely shut
- Embedded magnifying lense in the cover provides increased visibility of the H-tap die embossment on the connector made by the require installation tooling; this allows for improved visibility during a connection inspection
- Made of polished clear polycarbonate material that provides:
 - High visibility for inspection of installed H-tap connection
 - Built-in channels on the outside of the covers accommodate and hold cable ties, hook and loop ties, or waxed cord security in place after cover installation
 - Patented highly flexible fingers on each cover are designed to contour around the wire
 - Internal pockets designed to accommodate identification tags (4 ID tags included)
 - UL94 V-O Flame rating indicating self-extinguishing retardant properties
- The use of the insulation cover eliminates the need to tape the connection making this solution a fast and reliable method of insulating
- Molded barrier prevents installed H-tap connectors from electrical flashover
- Covers come with two (2) clear halves, two (2) cable ties, and four (4) identification tags

- Covers are clearly marked with lettering
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Catalog Number	Max. Conductor Accommodated	Matched H Copper CRIMPIT™	Max. Connector Length	Connector Color Code
CCFBGFR	#8 AWG	YH8C8C	0.65	Green
	#6 AWG	YH6C6C	0.65	Orange
CCFOFR	#2 AWG	YH2C2C	0.80	Brown
CCDFR	250 kcmil	YH292C, YH298C	0.95	Purple
CCFDXFR	250 kcmil	YH2929	0.95	Purple
CCFNFR	500 kcmil	YH3434, YH3429*	1.10	Brown
CCFRFR	750 kcmil	YH3939, YH3931, YH4429, YH4434, YH4444	1.30	Yellow
	1000 kcmil	YH4444	1.10	White

* Use CCFNFR for single tap installation; use CCFRFR when 2 or more tap conductors are installed.

Note: All dimensions shown are for reference only.

TYPE YSH

H Copper CRIMPIT™ Split Compression Wye Tap Connector

Type YSH heavy duty connectors are designed for insulated underground wye splices. The split H copper CRIMPIT™ connector is longer than our standard H copper CRIMPIT™ and is suitable for use on high voltage (15kV) power cables with copper conductors. The connectors cannot be used with oil filled or mass impregnated cables since no oil stop is provided. The connector is installed with standard BURNDY® HYPRESS™ tools and is made of tin-plated electrolytic copper.

Features & Benefits

- Range taking H-tap that allows for less inventory as one H-tap can accommodate a multitude of wire combinations
- Accommodates a wide range of run / tap combinations
- The tap grooves act independently; the use of one run and one tap wire is required when using this connector for making a connection
- Manufactured from high conductivity wrought copper providing low resistance for excellent electrical conductivity
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Color coded to ensure proper die and installation tooling is selected
- Insulation is not provided; insulation may be obtained from Raychem (800-272-9243) Type HVSJ Splice Kits for 15kV installations; a complete IEEE 404 15kV installation is provided

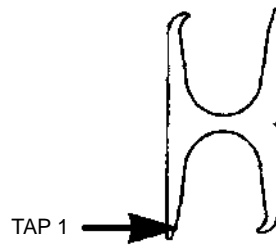
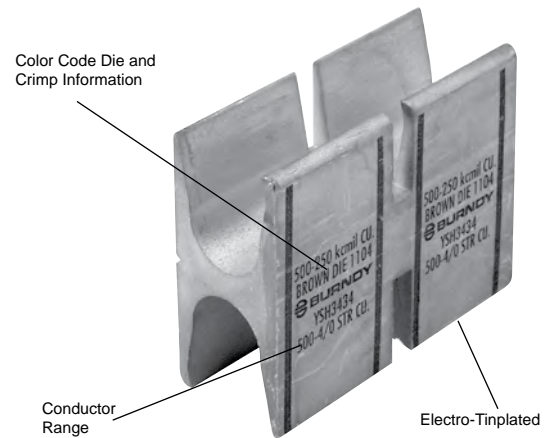


Fig. 1

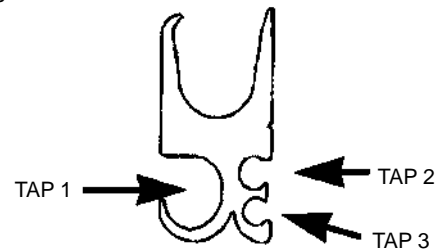
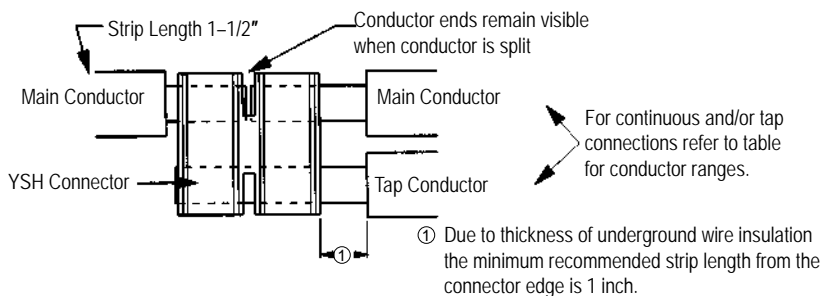


Fig. 2

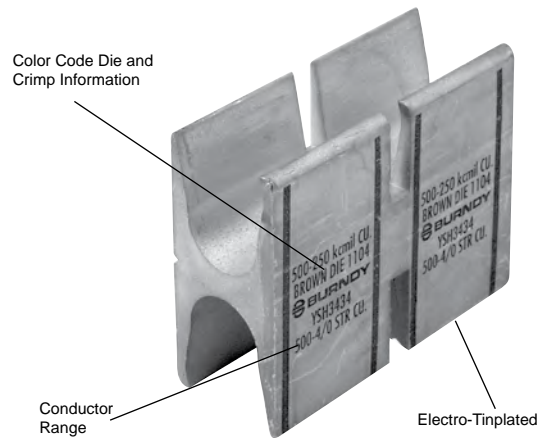
Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



TYPE YSH (Continued)

Expanded Tap 1 Components	
Expanded Catalog Number	Tap 1 Range
YSH-292C-E	#2 Str.
YSH-2925-E	1/0 Str.



Catalog Number	Fig. #	Conductor Sizes Code Expanded Tap 1 (Flex Cable)				750 Series	†	46* Series	†	Color Code	Die Index ▲ & Embossment	H	W	L	Wire Strip Length
		AWG	Tap 1	Tap 2	Tap 3										
YSH2929	1	250 kcmil - #2 AWG (4/0 - 2)	250 kcmil - #2 AWG (4/0 - 2)	-	-	U654	4	P654	2	Purple	654	1.85 in	0.90 in	3.00 in	1 1/2
YSH3429	2	500 kcmil - 4/0 AWG (350 - 4/0)	250 kcmil - 1/0 AWG (4/0 - 1/0)	#1 - #6 AWG (1 - 8)	#8 - #14 AWG (8 - 14)	U1104	4	P1104	2	Brown	1104	2.23 in	1.31 in	3.00 in	1 1/2
YSH3434	1	500-250 kcmil (350 - 4/0)	500 kcmil- 4/0 AWG (350 - 4/0)	-	-	U1104	4	P1104	2	Brown	1104	2.43 in	1.15 in	3.00 in	1 1/2
YSH3931	2	750 - 350 kcmil (550 - 500)	4/0 - 1/0 AWG (350 - 1/0)	#1 - #6 AWG (1 - 8)	#2 - #14 AWG (2 - 14)	-	-	PYFR	2	Yellow	KR	2.97 in	1.50 in	3.00 in	1 1/2
YSH3939	1	750 - 500 kcmil (550 - 500)	750 - 350 kcmil (550 - 350)	-	-	-	-	PYFR	2	Yellow	KR	2.97 in	1.50 in	3.00 in	1 1/2

* Use PUADP1 adaptor with U dies in 46 Series. P dies result in a smooth crimp surface and is recommended for voltages above 600 V.

▲ See tooling section of this catalog for complete tool and die listings.

† Number of crimps per connector. U dies require double crimps.

Note: All dimensions shown are for reference only.

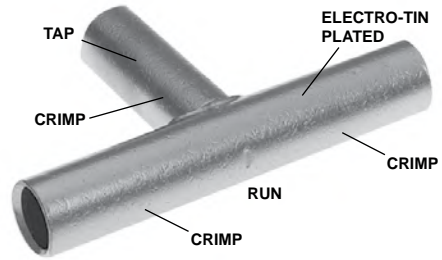
TYPE YST

Uninsulated Copper HYTEE™ T-Coupler



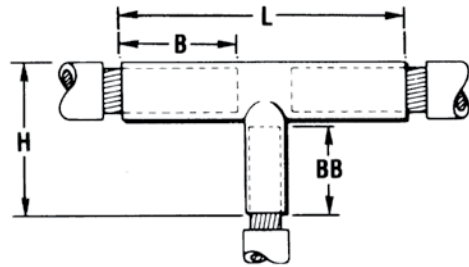
UL Listed to 90° C, Up to 35 kV ♦

Type YST copper compression tee is designed for connecting a run conductor with a perpendicular tap conductor. Type YST connectors are commonly used in junction boxes and manholes to make a radial tap off a main run. They are needed in many industrial, utility generation, and commercial applications. The most common cable combinations are listed below. The Type Y-R reducers can also be used to accommodate most cable combinations.



Features & Benefits

- Manufactured from high conductivity electrolytic copper tubing with heavy wall thickness, Type YST T-couplers provide low resistance for excellent electrical conductivity
- Featuring long barrel length for all three wire wire accommodating barrels allows for an increased number of crimps, in turn increasing the mechanical strength of the connection while allowing the connection to operate at a lower temperature rating; additionally, the long barrel permits the use of the Type Y-R reducing adapters
- Accommodates a wide range of run / tap combinations
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing



Catalog Number	Code • Conductors		Dimensions				Dieless (# of crimps)	Installation Tooling ▲						Wire Length		
								Run Conductors			Tap Conductors					
	Run	Tap	B	BB	H	L		35 ■, 750, 46* Series			35 ■, 750, 46* Series			Run	Tap	
								Die Number (# of crimps)	Color Code	Die Index	Die Number (# of crimps)	Color Code	Die Index ▲			
YST4C4C	4 str.	4 str.	1.12	1.38	1.72	3.25	644 Series (1) 81K Series (1)	U4CRT (2)	Gray	8	U4CRT (2)	Gray	8	1-3/16"	1-3/16"	
YST2C2C	2 str.	2 str.	1.25	1.56	1.98	3.56		U2CRT (2)	Brown	10	U2CRT (2)	Brown	10	1-5/16"	1-5/16"	
YST2525	1/0 str.	1/0 str.	1.38	1.56	1.91	3.81		U25RT (2)	Pink	12	U25RT (2)	Pink	12	1-7/16"	1-7/16"	
YST2626	2/0 str.	2/0 str.	1.50	1.67	2.18	3.94		U26RT (2)	Black	13	U26RT (2)	Black	13	1-9/16"	1-9/16"	
YST282C	4/0 str.	2 str.	1.62	1.50	2.12	3.94		U28RT (2)	Purple	15	U2CRT (2)	Brown	10	1-11/16"	1-5/16"	
YST2825	4/0 str.	1/0 str.	1.62	1.56	2.25	4.00		U28RT (2)	Purple	15	U25RT (2)	Pink	12	1-11/16"	1-5/8"	
YST2828	4/0 str.	4/0 str.	1.62	1.75	2.44	4.19		—	U28RT (2)	Purple	15	U28RT (2)	Purple	15	1-11/16"	1-13/16"
YST2929	250 kcmil	250 kcmil	1.62	1.78	2.53	4.25		—	U29RT (2)	Yellow	16	U29RT (2)	Yellow	16	1-11/16"	1-11/16"
YST3131	350 kcmil	350 kcmil	2.00	2.25	3.12	5.50		644 Series (2) 81K Series (2)	U31RT (4)	Red	18	U31RT (4)	Red	18	2"	2"
YST3428	500 kcmil	4/0 str.	2.25	1.75	2.81	5.81			U34RT (4)	Brown	20	U28RT (2)	Purple	15	2-5/16"	1-11/16"
YST3434	500 kcmil	500 kcmil	2.25	2.70	3.76	6.19	U34RT (4)		Brown	20	U34RT (4)	Brown	20	2-5/16"	2-5/16"	
YST3939	750 kcmil	750 kcmil	2.88	3.34	4.64	8.12	U39RT (4)		Black	24	U39RT (4)	Black	24	2-15/16"	2-15/16"	

* Use adapter PUADP1 with U Dies in 46 Series.

■ The maximum size for the Y35 is 400 kcmil.

● Contact factory for conductor combinations not shown.

▲ See tooling section of this catalog for complete tool and die listings.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

TYPE YA-A

HYLUG™

UL Listed 90° C, Up to 35 kV ♦

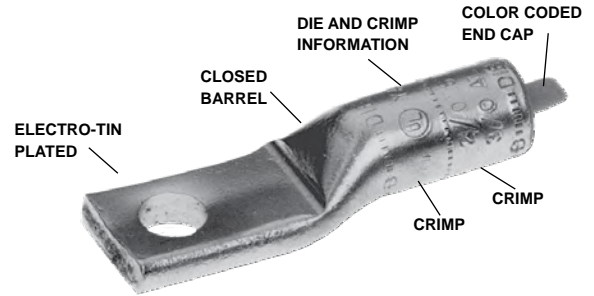


Type YA-A aluminum tin-plated compression HYLUG™ terminals are dual-rated and designed for use on both aluminum and copper conductors from #12 solid through 2000 kcmil.

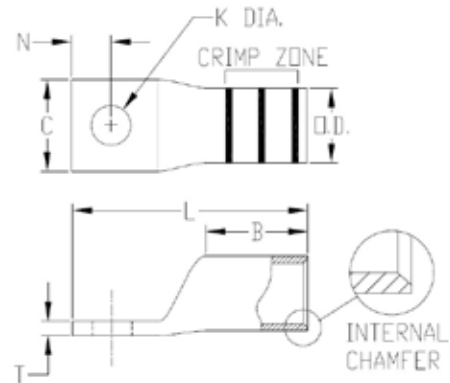
See Pages C-194 through C-197 for Type YA-A Installation Tooling Information.

Features & Benefits

- UL486A-486B Listed and CSA Certified
- Aluminum terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector:
 - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
 - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp location bands
- Factory pre-filled with PENETROX™ Type A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code and prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Connectors have been tested with expanded wire ranges when installed with specified dieless tools. See Beginning of Section C for Expanded Ranges Tables.
- Conductor Accommodate Types:
 - Aluminum Code Wire: Class B (Concentric, Compressed, Compact)
 - Copper Code Wire: Class B (Concentric, Compressed, Compact or Class C)
 - Copper Clad Aluminum: Noted in the conductor accommodates as CCA



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Compression Connections

Aluminum / Copper — One Hole
Uninsulated Aluminum Terminals

TYPE YA-A (Continued)



AL9CU



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	AL / Cu Conductor	Dimensions									Color Code	Die Index	Wire Strip Length	Temperature Rating
		Stud Size	Stud Hole Diameter (K)	No. of Holes in Pad	Outside Diameter (OD)	Barrel Length (B)	Pad Width (C)	Overall Length (L)	Hole Offset (N)	Pad Thickness (T)				
YA12ATN*	12 AWG Sol./Str.	#10	0.20	1	0.21	0.50	0.41	1.19	0.20	0.07	—	—	5/8	75° C
YA10ATN*	10 AWG Sol./Str.	#10	0.20	1	0.21	0.50	0.41	1.22	0.20	0.06	—	—	5/8	75° C
YA8CA1	8 AWG	#10	0.20	1	0.30	0.62	0.53	1.50	0.20	0.09	Blue	374	5/8	75° C
YA8CA3		1/4	0.28	1	0.30	0.62	0.53	1.65	0.25	0.09				
YA6CA1	6 AWG	1/4	0.28	1	0.34	0.75	0.47	1.84	0.33	0.14	Gray	346	3/4	90° C
YA6CA3		3/8	0.44	1	0.34	0.75	0.65	2.28	0.44	0.09				
YA4CA1	4 AWG	1/4	0.28	1	0.43	0.88	0.47	2.13	0.33	0.18	Green	375	7/8	90° C
YA4CA3		5/16	0.38	1	0.43	0.88	0.80	2.25	0.41	0.12				
YA4CA6		3/8	0.44	1	0.43	0.88	0.80	2.32	0.44	0.12				
YA2CA5	2 AWG	1/4	0.28	1	0.53	1.00	0.50	2.25	0.33	0.22	Pink	348	1-1/8	90° C
YA2CA1		5/16	0.38	1	0.53	1.12	0.88	2.50	0.41	0.16				
YA2CA3		3/8	0.44	1	0.53	1.12	0.88	2.56	0.44	0.16				
YA1CA1	1 AWG	3/8	0.44	1	0.54	0.91	0.76	2.59	0.44	0.19	Gold	471	15/16	90° C
YA25A1	1/0 AWG	5/16	0.38	1	0.60	1.00	0.60	2.31	0.41	0.21	Tan	296	1-1/16	90° C
YA25A3		3/8	0.44	1	0.60	1.05	0.82	2.67	0.63	0.21				
YA25A9		1/2	0.56	1	0.60	1.05	1.03	2.83	0.63	0.17				
YA26A7		5/16	0.38	1	0.67	1.17	0.67	2.52	0.41	0.24				
YA26A6	2/0 AWG	3/8	0.44	1	0.67	1.17	0.67	2.79	0.44	0.24	Olive	297	1-3/8	90° C
YA26A1		1/2	0.56	1	0.67	1.17	1.03	3.03	0.63	0.20				
YA26A8		5/8	0.69	1	0.67	1.17	1.03	3.03	0.63	0.20				
YA27A1	3/0 AWG	3/8	0.44	1	0.76	1.11	0.73	2.88	0.44	0.26	Ruby	467	1-1/2	90° C
YA27A3		1/2	0.56	1	0.76	1.31	1.04	3.27	0.63	0.26				
YA28A1	4/0 AWG	3/8	0.44	1	0.85	1.39	1.17	3.26	0.44	0.30	White	298	1-5/8	90° C
YA28A3		1/2	0.56	1	0.85	1.39	1.17	3.44	0.63	0.30				
YA29A9	250 kcmil	3/8	0.41	1	0.92	1.45	1.26	3.09	0.41	0.33	Red	324	1-9/16	90° C
YA29A1		1/2	0.56	1	0.92	1.45	1.26	3.53	0.63	0.33				
YA29A6		5/8	0.69	1	0.92	1.45	1.26	3.69	0.75	0.33				
YA30A6	300 kcmil 4/0 AWG CCA DLO (329/22)	3/8	0.44	1	1.01	1.53	1.38	3.90	0.63	0.36	Blue	470	1-3/4	90° C
YA30A1		1/2	0.56	1	1.01	1.53	1.38	3.90	0.63	0.36				
YA31A6	350 kcmil 250 kcmil CCA DLO (399/22)	3/8	0.44	1	1.11	1.85	1.52	3.95	0.44	0.39	Brown	299	2-1/8	90° C
YA31A1		1/2	0.56	1	1.11	1.85	1.52	4.33	0.63	0.39				
YA31A12		5/8	0.65	1	1.11	1.85	1.52	4.33	0.44	0.39				
YA32A9	400 kcmil	3/8	0.41	1	1.19	2.26	1.62	3.95	0.41	0.43	Green	472	2-5/16	90° C
YA32A6		1/2	0.56	1	1.19	2.26	1.62	4.92	0.88	0.43			2-1/2	90° C
YA32A1		5/8	0.69	1	1.19	2.26	1.62	4.92	0.88	0.43			2-1/2	90° C

- Contact BURNDY® for conductor, stud sizes and hole drillings not shown.
- ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.
- * AL Conductor Only

Note: All dimensions shown are for reference only.

See Pages C-194 through C-197 for Type YA-A Installation Tooling Information.

TYPE YA-A (Continued)



AL9CU



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	AL / Cu Conductor	Dimensions									Color Code	Die Index	Wire Strip Length	Temperature Rating
		Stud Size	Stud Hole Diameter (K)	No. of Holes in Pad	Outside Diameter (OD)	Barrel Length (B)	Pad Width (C)	Overall Length (L)	Hole Offset (N)	Pad Thickness (T)				
YA34A7	500 kcmil	1/2	0.56	1	1.32	2.34	1.80	5.02	0.63	0.46	Pink	300	2-5/8	90° C
YA34A1	350 kcmil CCA DLO (551/22)	5/8	0.69	1	1.32	2.34	1.80	5.56	0.88	0.46				
YA36A8	600 kcmil	1/2	0.56	1	1.44	2.47	1.97	5.64	0.69	0.52	Black	473	2-7/8	90° C
YA36A1	500 kcmil CCA DLO (779/22)	5/8	0.69	1	1.44	2.47	1.97	5.82	0.88	0.52				
YA39A1	700 - 750	1/2	0.56	1	1.46	2.46	2.05	5.26	0.63	0.43	Yellow	936	2-7/8	90° C
YA39A3	kcmil	5/8	0.69	1	1.46	2.46	2.05	5.80	0.88	0.43				
YA39A34	900 kcmil Compact AL† 600 kcmil CCA DLO (925/22)	3/4	0.81	1	1.46	2.46	2.05	6.17	1.00	0.43				
YA42A1	900 kcmil AL	1/2	0.56	1	1.50	2.46	2.14	5.32	0.63	0.39	Gray	303	2-7/8	90° C
YA42A3		5/8	0.69	1	1.50	2.46	2.14	5.32	0.66	0.39				
YA44A1	1000 kcmil 750 kcmil CCA DLO (1194/22) 800 kcmil CCA DLO (1258/22)	5/8	0.69	1	1.84	2.74	2.50	6.50	0.88	0.66	Brown	302	3	90° C

- Contact BURNDY® for conductor, stud sizes and hole drillings not shown.
 - ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.
 - † Listed using 444S / 644 Series Tools only.
- Note: All dimensions shown are for reference only.

See Pages C-194 through C-197 for Type YA-A Installation Tooling Information.

TYPE YA-A

HYLUG™

UL Listed 90° C, Up to 35 kV ◆

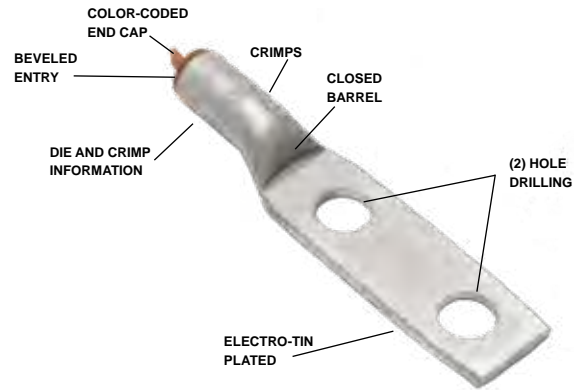


Type YA-A terminals in 2- and 4-hole designs inhibit connector rotation and increase area contact. These aluminum terminals have the same design features and benefits as the 1-hole YA-A with an added stud hole for a more secure termination to various types of equipment pads. They are dual-rated for use on both aluminum and copper conductors.

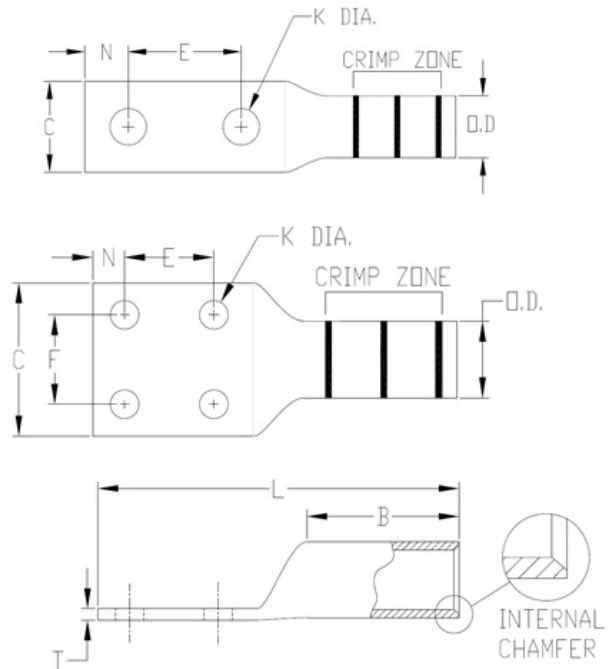
See Pages C-194 through C-197 for Type YA-A Installation Tooling Information.

Features & Benefits

- UL486A-486B Listed and CSA Certified
- Aluminum terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector:
 - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
 - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp location bands
- Factory pre-filled with PENETROX™ Type A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code and prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Connectors have been tested with expanded wire ranges when installed with specified dieless tools. See Beginning of Section C for Expanded Ranges Tables.
- Conductor Accommodate Types:
 - Aluminum Code Wire: Class B (Concentric, Compressed, Compact)
 - Copper Code Wire: Class B (Concentric, Compressed, Compact or Class C)
 - Copper Clad Aluminum: Noted in the conductor accommodates as CCA



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPE YA-A (Continued)



AL9CU



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	AL / Cu Conductor	Stud Size	Stud Hole Diameter (K)	No. of Holes in Pad	Dimensions								Color Code	Die Index	Wire Strip Length	Temperature Rating
					Outside Diameter (OD)	Barrel Length (B)	Pad Width (C)	Overall Length (L)	Hole Spacing (E)	Hole Spacing (F)	Hole Offset (N)	Pad Thickness (T)				
YA2CA9	2 str.	1/2	0.56	2	0.53	1.12	0.88	4.73	1.75	—	0.63	0.16	Pink	348	1-1/8	90° C
YA25A7	1/0 str.	1/2	0.56	2	0.60	1.05	1.03	4.59	1.75	—	0.63	0.17	Tan	296	1-1/16	90° C
YA25A5		3/8	0.44	2	0.60	1.05	0.82	3.73	1.06	—	0.63	0.21				
YA26A3	2/0 str.	1/2	0.56	2	0.67	1.17	1.03	4.78	1.75	—	0.63	0.20	Olive	297	1-3/8	90° C
YA26A5		3/8	0.44	2	0.67	1.17	0.92	3.56	1.00	—	0.44	0.24				
YA27A7	3/0 str.	3/8	0.44	2	0.76	1.31	1.04	3.79	1.00	—	0.44	0.26	Ruby	467	1-1/2	90° C
YA27A5		1/2	0.56	2	0.76	1.31	1.04	5.02	1.75	—	0.63	0.26				
YA28A7	4/0 str.	3/8	0.44	2	0.85	1.39	1.17	3.97	1.00	—	0.44	0.30	White	298	1-5/8	90° C
YA28A5		1/2	0.56	2	0.85	1.39	1.17	5.19	1.75	—	0.63	0.30				
YA29A5	250 kcmil	3/8	0.44	2	0.92	1.45	1.26	4.06	1.00	—	0.44	0.33	Red	324	1-5/8	90° C
YA29A3		1/2	0.56	2	0.92	1.45	1.26	5.28	1.75	—	0.63	0.33				
YA30A5	300 kcmil 4/0 AWG CCA DLO (329/22)	3/8	0.44	2	1.01	1.53	1.38	4.42	1.00	—	0.44	0.36	Blue	470	1-3/4	90° C
YA30A3		1/2	0.56	2	1.01	1.53	1.38	5.64	1.75	—	0.63	0.36				
YA31A5	350 kcmil 250 kcmil CCA DLO (399/22)	3/8	0.44	2	1.11	1.85	1.52	4.85	1.00	—	0.44	0.39	Brown	299	2-1/8	90° C
YA31A3		1/2	0.56	2	1.11	1.85	1.52	6.07	1.75	—	0.63	0.39				
YA32A5	400 kcmil	3/8	0.44	2	1.19	2.26	1.62	4.93	1.00	—	0.44	0.43	Green	472	2	90° C
YA32A3		1/2	0.56	2	1.19	2.26	1.62	6.15	1.75	—	0.63	0.43				
YA34A5	500 kcmil 350 kcmil CCA DLO (551/22)	3/8	0.44	2	1.32	2.34	1.80	5.54	1.00	—	0.44	0.46	Pink	300	2-5/8	90° C
YA34A3 †		1/2	0.56	2	1.32	2.34	1.62	6.80	1.75	—	0.63	0.46				
YA34A8	600 kcmil 500 kcmil CCA DLO (779/22)	1/2	0.56	2	1.32	2.34	1.80	6.77	1.75	—	0.63	0.46	Black	473	2-7/8	90° C
YA36A5		3/8	0.44	2	1.44	2.47	1.97	5.64	1.00	—	0.69	0.52				
YA36A3 †	600 kcmil 500 kcmil CCA DLO (779/22)	1/2	0.56	2	1.44	2.47	1.62	7.09	1.75	—	0.63	0.52	Black	473	2-7/8	90° C
YA36A17		1/2	0.56	2	1.44	2.47	1.97	7.06	1.75	—	0.63	0.52				

† Narrow tongue design; may be mounted side-by-side on a 4-hole NEMA pad

• Contact BURNDY® for conductor, stud sizes and hole drillings not shown.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

See Pages C-194 through C-197 for Type YA-A Installation Tooling Information.

Compression Connections

Aluminum / Copper — Two and Four Hole
Uninsulated Aluminum Terminals

TYPE YA-A (Continued)



AL9CU



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	AL / Cu Conductor	Stud Size	Stud Hole Diameter (K)	No. of Holes in Pad	Dimensions								Color Code	Die Index	Wire Strip Length	Temperature Rating
					Outside Diameter (OD)	Barrel Length (B)	Pad Width (C)	Overall Length (L)	Hole Spacing (E)	Hole Spacing (F)	Hole Offset (N)	Pad Thickness (T)				
YA39A7	700 - 750 kcmil	3/8	0.44	2	1.46	2.46	2.05	5.81	1.00	—	0.44	0.43	Yellow	936	2-7/8	90° C
YA39A5 †	900 kcmil	1/2	0.56	2	1.46	2.46	1.62	7.07	1.75	—	0.63	0.43				
YA39A13	Compact AL* 600 kcmil CCA DLO (925/22)	1/2	0.56	2	1.46	2.46	2.05	7.04	1.75	—	0.63	0.43				
YA39AM2	CCA DLO (925/22)	1/2	0.56	2	1.60	2.56	1.69	7.31	1.75	—	0.63	0.57	Red	301	2-7/8	90° C
YA42A7	900 kcmil AL	3/8	0.44	2	1.50	2.46	2.14	5.96	1.00	—	0.44	0.39	Gray	303	2-7/8	90° C
YA42A5		1/2	0.56	2	1.50	2.46	1.62	7.09	1.75	—	0.63	0.39				
YA44A3 †	1000 kcmil 750 kcmil CCA DLO (1194/22) 800 kcmil CCA DLO (1258/22)	1/2	0.56	2	1.84	2.74	1.65	7.76	1.75	—	0.63	0.55	Brown	302	3	90° C
YA44A8		1/2	0.56	2	1.84	2.74	2.50	7.76	1.75	—	0.63	0.66				
YA45A5	1250 kcmil 900 kcmil CCA DLO (1406/22) 1000 kcmil CCA DLO (1554/22)	1/2	0.56	2	1.84	2.74	2.59	7.73	1.75	—	0.63	0.51	Brown	302	3	75° C
YA46A3	1500 kcmil	1/2	0.56	2	2.26	3.30	3.08	8.73	1.75	—	0.63	0.81	Blue	478	2-3/4	75° C
YA46A5		1/2	0.56	4	2.26	3.30	3.08	8.73	1.75	1.75	0.63	0.81				
YA48A3	2000 kcmil	1/2	0.56	2	2.60	3.69	3.57	8.49	1.75	—	0.63	0.90	Red	479	4-1/8	75° C

† Narrow tongue design; may be mounted side-by-side on a 4-hole NEMA pad

• Contact BURNDY® for conductor, stud sizes and hole drillings not shown.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

* Listed using 444S / 644 Series Tools only

Note: All dimensions shown are for reference only.

See Pages C-194 through C-197 for Type YA-A Installation Tooling Information.

TYPE YAAKIT

Transformer Lug Kit



CONNECTOR

Each kit contains the UL Listed and CSA Certified AL9CU rated aluminum compression connectors and tongue mounting hardware needed to terminate aluminum or copper cables in “dry type” transformers. The KVA rating gives an approximate cross reference to the appropriate kit.

See Pages C-194 through C-197 for Type YA-A Installation Tooling Information.

Features & Benefits

- UL Listed AL9CU dual rated compression terminals and CSA Certified; ensure the transformer feeders and taps are terminated properly
- Plated steel cap screws and hex nuts with captive conical washers or individual belleville washers
- Terminal to bus connections are made using proper hardware resulting in true torque to pressure performance, compensates for dissimilar metal expansion and contraction
- Hardware packed in plastic bag; no lost hardware prior to installation
- Conductor Accommodate Types:
 - Aluminum Code Wire: Class B (Concentric, Compressed, Compact)
 - Copper Code Wire: Class B (Concentric, Compressed, Compact or Class C)
 - Copper Clad Aluminum: Noted in the conductor accommodates as CCA



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

Catalog Number	KVA	Terminals		Wire Range with 644 Series	Bolt		Hardware		Washer	
		Qty.	Cat. No.		Qty.	Size	Qty.	Nut	Qty.	Type
YAAKIT1	15-37.5 1Ø	8	YA2C-A5	#6-2 AWG	8	1/4-20 X 3/4	8	1/2 x 20HN	Captive	
	15-45.3 3Ø	4	YA30-A7	2/0 AWG-300 kcmil	8	1/4-20 X 3/4	8	1/2 x 20HN	Captive	
YAAKIT2	50-75 1Ø	12	YA30-A7	2/0 AWG-300 kcmil	8	1/4-20 X 3/4	16	1/4 X 20HN	Captive	
	75-112.5 3Ø	12	YA30-A7	2/0 AWG-300 kcmil	8	1/4-20 X 2	16	1/4 X 20HN	Captive	
YAAKIT3	100-167 1Ø	3	YA30-A7	2/0 AWG-300 kcmil	3	1/4-20 X 3/4	3	1/4 X 20	Captive	
	150-300 3Ø	22	YA39-A1	500-750 kcmil	16	1/2-13 X 2	16	1/2-13	16	1/2" Belleville

HH- Hex Head

HN- Hex Nut

See Mechanical section for set screw terminal kits.

Note: All dimensions shown are for reference only.

Compression Connections

Type YA-A Installation Tooling Table
Mechanical/Ratchet (Dedicated Die or Requiring Dies)

Catalog Number Type	Wire Size	Wire Strip Length	Color Code and Die Index Number	Mechanical & Ratchet Dies Required (# Crimps)		Mechanical & Ratchet Dedicated Die Tools # Crimps	
	Class B, C Conductor (AL/CU)			MD6 and MD7 Series	OUR840	MY28 and MY29 Series	MRC840AL
YA8CA-	#8 AWG	5/8	Blue 374	X8CART (2) W374 (1)	X8CART (2)	1 Crimp	1 Crimp
YA6CA-	#6 AWG	3/4	Gray 346	X6CART (2)	X6CART (2)	1 Crimp	1 Crimp
			No Color 161	W161 (1)	X161 (2)	—	—
YA4CA-	#4 AWG	1	Green 375	X4CART (3)	X4CART (3)	1 Crimp	2 Crimps
			No Color 162	W162 (3)	—	—	—
YA2CA-	#2 AWG	1-1/4	Pink 348	X2CART (4)	X2CART (4)	2 Crimps	2 Crimps
			No Color 163	W163 (3)	—	—	—
			No Color 239	W239 (2)	X239 (4)	—	—
YA1CA-	#1 AWG	1-1/16	Gold 471	X1CART (3)	X1CART (3)	2 Crimps	2 Crimps
			No Color 163	W163 (3)	—	—	—
YA25A-	1/0 AWG	1-3/16	Tan 296	X25ART (4)	X25ART (4)	2 Crimps	2 Crimps
			No Color 241	W241 (2)	X241 (4)	—	—
YA26A-	2/0 AWG	1-3/8	Olive 297	X26ART (4) WBG (2)	X26ART (4) XBG (4)	2 Crimps	3 Crimps
			No Color 245	W245 (3)	X245 (4)	—	—
YA27A-	3/0 AWG	1-1/2	Ruby 467	X27ART (4)	X27ART (4)	2 Crimps	3 Crimps
			No Color 166	W166 (4)	—	—	—
YA28A-	4/0 AWG	1-5/8	White 298	X28ART (6)	X28ART (6)	2 Crimps	3 Crimps
			No Color 660	W660 (3)	X660 (8)	—	—
YA29A-	250 kcmil	1-5/8	Red 324	—	—	—	—
YA30A-	300 kcmil	1-3/4	Blue 470	—	—	—	—
YA31A-	350 kcmil	2-1/8	Brown 299	W31ART (4)	—	—	—
YA32A-	400 kcmil	2-1/2	Green 472	—	—	—	—
YA34A-	500 kcmil	2-5/8	Pink 300	—	—	—	—
YA36A-	600 kcmil	2-7/8	Black 473	—	—	—	—
YA39A-	700 - 750 kcmil	2-7/8	Yellow 936	—	—	—	—
YA40A-	800 kcmil	3	Gray 474	—	—	—	—
YA42A-	900 AL kcmil	2-7/8	Gray 303	—	—	—	—
YA44A-	1000 kcmil	3-1/8	Gray 474	—	—	—	—
YA45A-	1250 kcmil	3-1/8	Brown 302	—	—	—	—
YA46A-	1500 kcmil	3-3/4	Blue 478	—	—	—	—
YA47A-	1750 kcmil	4-3/8	White 587	—	—	—	—
YA48A-	2000 kcmil	4-1/8	Red 479	—	—	—	—

Catalog Number Type	Wire / Conductor Size	Wire Strip Length	Color Code Die Index	Hydraulic Tools - Dies Required (# Crimps)				
	Class B, C (AL/CU)			MD6, 600, 500 Series	750, 35 Series	45 Series <i>Use PT6515 with U Dies</i>	46 Series <i>Use PUADP1 with U Dies</i>	60 Series
YA8CA-	#8 AWG	5/8	Blue 374	X8CART (2) W374 (1)	U8CABT (1)	U8CABT (1)	U8CABT (1)	—
YA6CA-	#6 AWG	3/4	Gray 346	X6CART (2)	U6CABT (1)	U6CABT (1)	U6CABT (1)	—
			No Color 161	W161 (1) X161 (2)	—	—	—	—
YA4CA-	#4 AWG	1	Green 375	X4CART (3)	U4CABT (1)	U4CABT (1)	U4CABT (1)	—
			No Color 162	W162 (3)	—	—	—	—
YA2CA-	#2 AWG	1-1/4	Pink 348	X2CART (4)	U2CABT (1)	U2CABT (1)	U2CABT (1)	—
			No Color 163	W163 (3)	—	—	—	—
			No Color 239	W239 (2) X239 (4)	—	—	—	—
YA1CA-	#1 AWG	1-1/16	Gold 471	X1CART (3)	U1CART (1)	U1CART (1)	U1CART (1)	—
			No Color 163	W163 (3)	—	—	—	—
YA25A-	1/0 AWG	1-3/16	Tan 296	X25ART (4)	U25ART (1)	U25ART (1)	U25ART (1)	—
			No Color 241	X241 (2)	—	—	—	—
YA26A-	2/0 AWG	1-3/8	Olive 297	X26ART (4) WBG (2)	U26ART (2)	U26ART (2)	U26ART (2)	—
			No Color 245	W245 (3) X245 (4)	—	—	—	—
YA27A-	3/0 AWG	1-1/2	Ruby 467	X27ART (4)	U27ART (2)	U27ART (2)	U27ART (2)	—
			No Color 166	W166 (4)	—	—	—	—
YA28A-	4/0 AWG	1-5/8	White 298	X28ART (6)	U28ART (2)	U28ART (2)	U28ART (2)	L28ART (1)
			No Color 660	W660 (3) X660 (8)	—	—	—	—
YA29A-	250 kcmil	1-5/8	Red 324	—	U29ART (2)	U29ART (2)	U29ART (2)	L29ART (1)
YA30A-	300 kcmil	1-3/4	Blue 470	—	U30ART (2)	U30ART (2)	U30ART (2)	L30ART (1)
YA31A-	350 kcmil	2-1/8	Brown 299	W31ART (4)	U31ART (2)	U31ART (2)	U31ART (2)	L31ART (1)
YA32A-	400 kcmil	2-1/2	Green 472	—	U32ART (4)	U32ART (4)	U32ART (4)	L32ART (2)
YA34A-	500 kcmil	2-5/8	Pink 300	—	U34ART (4)	U34ART (4)	U34ART (4)	L34ART (2)
YA36A-	600 kcmil	2-7/8	Black 473	—	U36ART (4)	U36ART (4)	U36ART (4)	L36ART (2)
YA39A-	700 - 750 kcmil	2-7/8	Yellow 936	—	U39ART2 (4)	U39ART2 (4)	U39ART2 (4)	L39ART2 (2)
YA40A-	800 kcmil	3	Gray 474	—	—	S40ART (4)	P40ART (4)	L40ART (2)
YA42A-	900 AL kcmil	2-7/8	Gray 303	—	—	U42ART (4)	U42ART (4)	—
YA44A-	1000 kcmil	3-1/8	Gray 474	—	—	S44ART (4)	P44ART (4)	L44ART (2)
YA45A-	1250 kcmil	3-1/8	Brown 302	—	—	S44ART (4)	P44ART (4)	L44ART (2)
YA46A-	1500 kcmil	3-3/4	Blue 478	—	—	—	—	L46ART (2)
YA47A-	1750 kcmil	4-3/8	White 587	—	—	—	—	L47ART (2)
YA48A-	2000 kcmil	4-1/8	Red 479	—	—	—	—	L48ART (2)

Compression Connections

Type YA-A Installation Tooling Table Hydraulic (Dieless)

Catalog Number Type	Wire / Conductor Size		Wire Strip Length	Color Code Die Index	Hydraulic Tools - Dieless # Crimps			
	Class B, C (AL/CU)	Copper Clad Aluminum (CCA) <i>Only for use with 644 / 444S Series</i>			81K, 4PC Series	644 Series	444S Series	Y644MBH Remote Head
YA8CA-	#8 AWG	—	5/8	Blue 374	1 Crimp	—	—	—
YA6CA-	#6 AWG	—	3/4	Gray 346	1 Crimp	1 Crimp	—	1 Crimp
				No Color 161	—	—	—	—
YA4CA-	#4 AWG	—	1	Green 375	1 Crimp	1 Crimp	1 Crimp	1 Crimp
				No Color 162	—	—	—	—
YA2CA-	#2 AWG	—	1-1/4	Pink 348	2 Crimps	1 Crimp	1 Crimp	1 Crimp
				No Color 163	—	—	—	—
				No Color 239	—	—	—	—
YA1CA-	#1 AWG	—	1-1/16	Gold 471	2 Crimps	1 Crimp	1 Crimp	1 Crimp
				No Color 163	—	—	—	—
YA25A-	1/0 AWG	—	1-3/16	Tan 296	2 Crimps	1 Crimp	1 Crimp	1 Crimp
				No Color 241	—	—	—	—
YA26A-	2/0 AWG	—	1-3/8	Olive 297	2 Crimps	1 Crimp	1 Crimp	1 Crimp
				No Color 245	—	—	—	—
YA27A-	3/0 AWG	—	1-1/2	Ruby 467	2 Crimps	1 Crimp	1 Crimp	1 Crimp
				No Color 166	—	—	—	—
YA28A-	4/0 AWG	—	1-5/8	White 298	2 Crimps	1 Crimp	1 Crimp	1 Crimp
				No Color 660	—	—	—	—
YA29A-	250 kcmil	—	1-5/8	Red 324	2 Crimps	1 Crimp	1 Crimp	1 Crimp
YA30A-	300 kcmil	4/0 AWG CCA DLO (329/22)	1-3/4	Blue 470	2 Crimps	1 Crimp	1 Crimp	1 Crimp
YA31A-	350 kcmil	250 kcmil CCA DLO (399/22)	2-1/8	Brown 299	3 Crimps	1 Crimp	1 Crimp	1 Crimp
YA32A-	400 kcmil	—	2-1/2	Green 472	4 Crimps	1 Crimp	1 Crimp	1 Crimp
YA34A-	500 kcmil	350 kcmil CCA DLO (779/22)	2-5/8	Pink 300	4 Crimps	1 Crimp	1 Crimp	1 Crimp
YA36A-	600 kcmil	500 kcmil CCA DLO (779/22)	2-7/8	Black 473	4 Crimps	1 Crimp	1 Crimp	1 Crimp
YA39A-	700 - 750 kcmil	600 kcmil CCA DLO (925/22)	2-7/8	Yellow 936	4 Crimps	1 Crimp	1 Crimp	1 Crimp
YA40A-	800 kcmil	—	3	Gray 474	—	1 Crimp	1 Crimp	1 Crimp
YA42A-	900 AL kcmil	—	2-7/8	Gray 303	—	2 Crimps	2 Crimps	2 Crimps
YA44A-	1000 kcmil	750 kcmil CCA DLO (1184/22) 800 kcmil CCA DLO (1258/22)	3-1/8	Gray 474	—	—	1 Crimp	1 Crimp
YA45A-	1250 kcmil	900 kcmil CCA DLO (1406/22) 1000 kcmil CCA DLO (1554/22)	3-1/8	Brown 302	—	—	—	—
YA46A-	1500 kcmil	—	3-3/4	Blue 478	—	—	—	—
YA47A-	1750 kcmil	—	4-3/8	White 587	—	—	—	—
YA48A-	2000 kcmil	—	4-1/8	Red 479	—	—	—	—

Installation Instructions

Installation instructions help the installer understand proper wire preparation, proper insertion requirements, crimp zone location, individual crimp location, crimp order and crimp direction, to ensure safe and reliable wire connections. In order to obtain a UL Listing BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more UL categories.

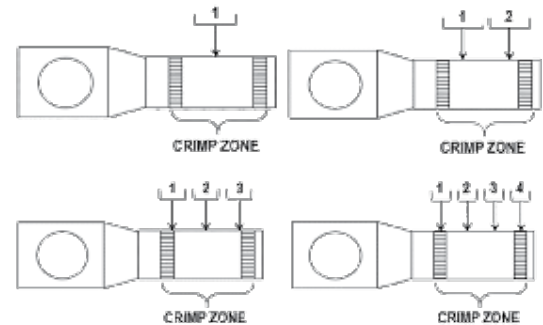
Aluminum Installation Steps:

- Select the appropriate connector based on:
 - Wire Material
 - Wire Construction
 - Wire Size
- Strip the insulation to the appropriate wire strip length, based on the table's Wire Strip Length recommendation for the selected connector. Due to tolerances in the connector, wire strip length, and insulation stripping tools, this range may be 0" - 1/4". The exposed wire, also known as a "shiner", has no performance impact on the connection and there is no wire exposure requirement by BURNDY.
- Wire brush the bare conductor to remove any oxides. DO NOT wire brush tin-plated connectors.
- Apply PENETROX™ A13 oxide inhibitor to the bare conductor.
- Insert the conductor into the barrel for the full length. The connector barrel is filled with PENETROX™ A13, so be aware of the following:
 - Oxide inhibitor may discharge from the barrel when wire is fully inserted.
 - Oxide inhibitor may cause resistance that could feel like the wire is fully inserted. Ensure you insert the wire with enough force to penetrate the oxide inhibitor barrier until you reach the full wire insertion distance.
- Apply the proper number of crimps based on the installation tooling requirements. Use the illustrations as a guide on crimp placement and direction for the proper number of crimps.
- Remove excess PENETROX™ A13 that may discharge during installation.

*For simplicity, the images show a 1-hole connector, however, connectors are available in 1-hole, 2-hole or more hole patterns.

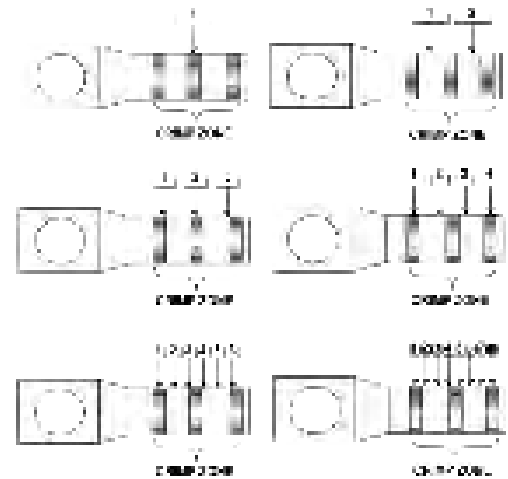
CATALOG NUMBER DESIGNATIONS

YA8CA-	YA6CA-	YA4CA-	YA2CA-	YA1CA-	YA25A-
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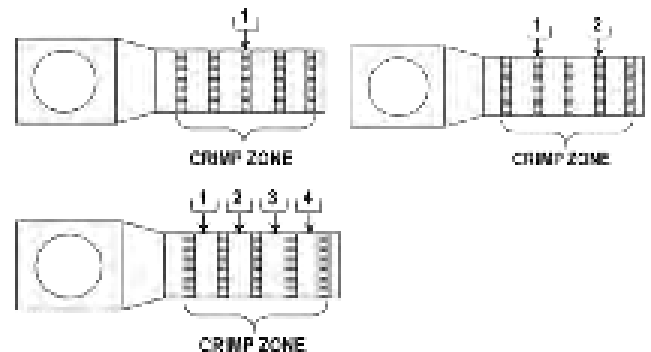
CATALOG NUMBER DESIGNATIONS

YA26A-	YA27A-	YA28A-	YA29A-	YA30A-	YA31A-
YA39AM-	YA40A-	YA44A-	YA45A-	YA46A-	YA48A-



CATALOG NUMBER DESIGNATIONS

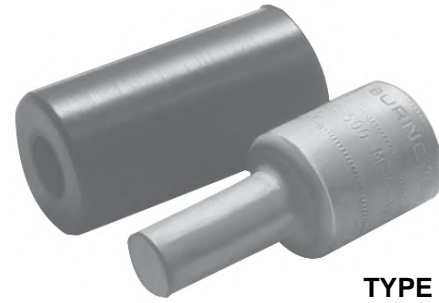
YA32A-	YA34A-	YA36A-	YA39A-	YA42A-
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TYPES AYP, AYPO

HYPLUG™ Adapters

UL Listed 90° C, Up to 35 kV ♦

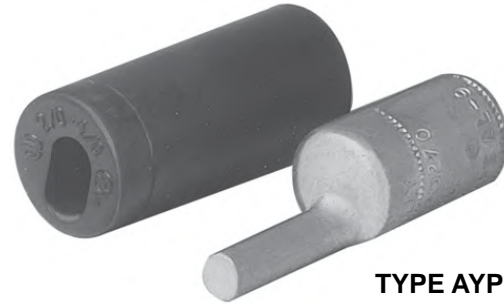


TYPE AYP

Types AYP and AYPO aluminum compression adapters are designed for reliable termination of aluminum and copper conductor in mechanical connectors. Typical applications include mechanical connectors in molded case circuit breakers, panel board equipment, and meter sockets.

Features & Benefits

- Aluminum pin terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector:
 - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
 - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Short pin length design permits easy installation in limited space applications; rated for the full ampacity of the incoming conductor
- Smooth surface on the pin allows for greater contact area and electrical connectivity
- Solid pin design eliminates “how tight is tight” torque requirement problem and eliminates over torquing on stranded pin adapters that can result in damaged strands increasing resistance
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp location bands
- Factory pre-filled with PENETROX™ Type A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code and prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection
- Covers are supplied with connectors:
 - EPDM rubber covers are UL Listed/CSA Certified and rated up to 600 Volts and 90°C
 - Santoprene rubber covers are also UL Listed/CSA Certified and rated up to 600 Volts and 90°C



TYPE AYPO

- The connector is offered with an in-line pin (Type AYP) and offset pin (Type AYPO) design
- Offset pin design provides added flexibility in limited space applications as the connectors can be rotated preventing wire interference when installing cable side-by-side to a mechanical connector
- Only 5 dies sets are necessary to install the complete line of HYPLUG™ adapters from #6 AWG up to 750 kcmil
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Conductor Accommodate Types:
 - Aluminum Code Wire: Class B (Concentric, Compressed, Compact)
 - Copper Code Wire: Class B (Concentric, Compressed, Compact or Class C)
 - Copper Clad Aluminum: Noted in the conductor accommodates as CCA

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

TYPES AYP, AYPO (Continued)

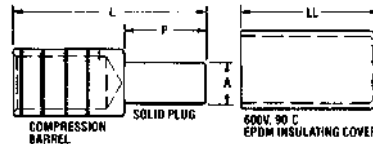


Fig 1: TYPE AYP (Straight)

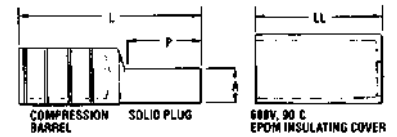


Fig 2: TYPE AYPO (Offset)

Catalog Number	AL Class B CU Class B, C	Copper Flex	Fig. No.	Dimensions					Installation Tooling ▲				Wire Strip Length			
				A ▼ Pin Dia.	Pin Size Equiv.	P Pin Length	L Overall Length	LL Cover Length	HYTOOL™		Die Index & Emboss.					
									Dieless Tools (# of crimps)	+ MD6		35 & 750, 46* Series Die Number (# of crimps)		Color Code		
AYP6	6 AWG ●	#8 Class I, DLO	1	0.23	4 AWG	0.68	1.85	2.03	MY293 (2)** 444 Series (1) 644 Series (1) 81K Series (1)	W241 (2)	U25ART (1)	Tan	296	1-1/16		
AYP4	4 AWG	#6 Class I, DLO	1	0.23	4 AWG	0.68	1.85	2.03								
AYP2	2 AWG	#4 Class I, DLO	1	0.23	4 AWG	0.68	1.85	2.03								
AYP1	1 AWG	#2 Class I, DLO	1	0.26	3 AWG	0.84	2.01	2.03								
AYP1/0	1/0 AWG	#1 Class I, DLO	1	0.29	2 AWG	0.84	2.01	2.03								
AYPO2/0	2/0 AWG	1/0 Class I, DLO	2	0.33	1 AWG	1.09	2.70	2.23	MY293 (2)** 444 Series (1) 644 Series (1) 81K Series (2)	W660 (4)	U28ART (2)	White	298	1-1/8		
AYPO3/0	3/0 AWG	2/0 Class I, DLO	2	0.37	1/0 AWG	1.22	2.80	2.23								
AYPO4/0	4/0 AWG	3/0 Class I, DLO	2	0.42	2/0 AWG	1.22	2.80	2.23								
AYP250	250 kcmil	4/0 Class I, K, M, DLO	1	0.47	3/0 AWG	1.16	2.63	2.54	444 Series (1) 644 Series (1) 81K Series (2)	—	U31ART (2)	Brown	299	1-1/8		
AYPO250	250 kcmil		2	0.47	3/0 AWG	1.22	2.98	2.54								
AYPO300	300 kcmil	250 kcmil Class I, 262 DLO	2	0.53	4/0 AWG	1.34	3.08	2.54								
AYP350	350 kcmil	313 kcmil DLO	1	0.57	250 kcmil	1.34	2.75	2.54								
AYPO350	350 kcmil		2	0.57	250 kcmil	1.34	3.08	2.54								
AYPO400	400 kcmil	—	2	0.63	300 kcmil	1.60	3.43	2.81								
AYP500	500 kcmil	373 kcmil Class I, 373 DLO	1	0.68	350 kcmil	1.60	3.08	2.81								
AYPO500	500 kcmil		2	0.68	350 kcmil	1.60	3.43	2.81								
AYPO600	600 kcmil	444 kcmil DLO	2	0.73	400 kcmil	1.64	4.02	3.69								
AYP750	700 - 750 kcmil ±900 kcmil Compact AL	535 kcmil DLO	1	0.81	500 kcmil	1.76	3.79	3.69			444 Series (1) 644 Series (1) 81K Series (3)	—	U39ART2 (3)	Yellow	936	1-3/4
AYPO750			2	0.81	500 kcmil	1.76	4.16	3.69								
AYP900	900 kcmil AL	—	1	0.91	650 kcmil	1.82	4.10	4.20								
AYPO900		—	2	0.91	650 kcmil	1.82	4.16	4.20								
AYPO1000	1000 kcmil	777 kcmil DLO	2	0.81	500 kcmil	1.76	4.17	—	444 Series (1) Y644MBH only (1)	—	—	—	—	1-3/4		

Scratch brushing of all conductors before making installation is recommended

▲ See tooling section of this catalog for complete tool and die listings.

** For MY293 use aluminum index plate at 1/0 setting for sizes #6 through 1/0 or at 4/0 setting for sizes 2/0 through 4/0.

+ Not UL Listed with these tools.

* Use PUADP1 adaptor with U dies in 46 Series Tools

■ Also accommodates compressed and compact conductors (except for 700 kcmil in 750 kcmil barrel).

‡ Listed using 444S / 644 Series Tools only.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

▼ For copper equivalent wire size see Section O for Aluminum 1350 Cable Reference

Notes: CSA Certified for AL Conductor only.

All dimensions shown are for reference only.

● Aluminum wire only for 444S and 644 Series tooling

Compression Connections

Aluminum / Copper Compression
HYLINK™ Aluminum Splices

TYPE YS-A

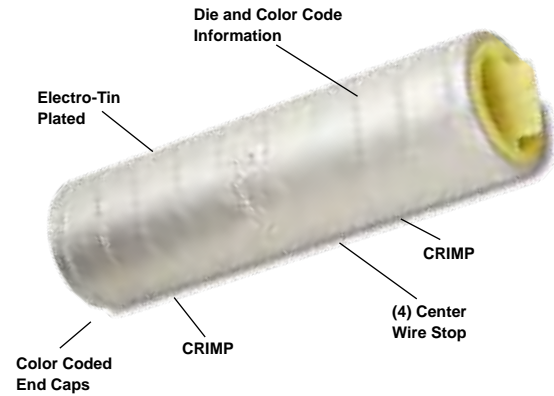


HYLINK™ Aluminum Splices

UL Listed 90° C, Up to 35 kV ♦

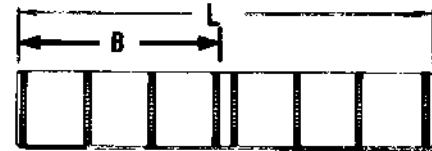
Type YS-A is a high conductivity aluminum tin-plated compression butt splice for use on all combinations of aluminum to aluminum, aluminum to copper, and copper to copper conductor combinations.

They are designed to accommodate conductors from #12 stranded through 1000 kcmil in standard and heavy duty applications. Prefilled with PENETROX™ oxide inhibiting compounds and assembled with color-coded end caps, these connectors provide a permanent trouble-free electrical splice with flexibility and low installed cost.



Features & Benefits

- Aluminum splices are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector:
 - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
 - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp location bands
- Factory pre-filled with PENETROX™ Type A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code and prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Conductor Accommodate Types:
 - Aluminum Code Wire: Class B (Concentric, Compressed, Compact)
 - Copper Code Wire: Class B (Concentric, Compressed, Compact or Class C)
 - Copper Clad Aluminum: Noted in the conductor accommodates as CCA



Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

TYPE YS-A (Continued)



Catalog Number	Code • Conductor	Dimensions		Installation Tooling ▲					Wire Strip Length
				Dieless (# of crimps/end)		35 ■, 750, 46* Series		Die Index & Embossment	
		B	L	Mechanical	Hydraulic	Die Number (# of crimps per end)	Color Code		
YS12AG1	#12 Str.	0.45	1.03	Ratchet: MR827 (1)	—	—	— ①	—	5/8
YS10WAG1	#10 Sol.	0.50	1.12						
YS8CA1	8 Str.	0.59	1.44	MY293 (1) MRC840AL (1)	644 Series (1) 81K Series (1)	U8CABT (1)	Blue	374	5/8
YS6CA1	6 Str.	0.72	1.70			U6CABT (1)	Gray	346	3/4
YS4CA1	4 Str.	0.86	1.97	MY293 (1) MRC840AL (2)	644 Series (1) 81K Series (2)	U4CABT (1)	Green	375	7/8
YS2CA1	2 Str.	1.09	2.44			U2CABT (1)	Pink	348	1-1/8
YS1CA1	1 Str.	0.90	2.05	MY293 (2) MRC840AL (3)	644 Series (1) 81K Series (2)	U1CART (1)	Gold	471	15/16
YS25A1	1/0 Str.	1.06	2.37			U25ART (1)	Tan	296	1-1/16
YS26A1	2/0 str.	1.18	2.61	MY293 (2) MRC840AL (3)	644 Series (1) 81K Series (2)	U26ART (2)	Olive	297	1-3/8
YS27A1	3/0 str.	1.31	2.88			U27ART (2)	Ruby	467	1-1/2
YS28A1	4/0 str.	1.40	3.06	—	644 Series (1) 81K Series (2)	U28ART (2)	White	298	1-5/8
YS29A1	250kcmil	1.46	3.18			U29ART (2)	Red	324	1-5/8
YS30A1	300 kcmil	1.47	3.20	—	644 Series (1) 81K Series (2)	U30ART (2)	Blue	470	1-3/4
YS31A1	350 kcmil	1.89	4.04			U31ART (2)	Brown	299	2-1/8
YS32A1	400kcmil	2.30	4.86	—	644 Series (1) 81K Series (4)	U32ART (2)	Green	472	2-1/2
YS34A1	500 kcmil	2.38	5.02			U34ART (2)	Pink	300	2-5/8
YS36A1	600 kcmil	2.44	5.14	—	644 Series (1) 81K Series (4)	U36ART (4)	Black	473	2-7/8
YS39A1	700 kcmil 750 kcmil +900 Compact Al	2.50	5.26			U39ART2 (4)	Yellow	936	2-7/8
YS39AM1	700 kcmil 750 kcmil +900 Compact Al	2.63	5.58	—	644 Series (2)	P39ART** (4)	Red	301	2-7/8
YS42A1	600 - 900 kcmil	2.50	5.26			U42ART (4)	Gray	303	2-7/8
YS44A1	1000 kcmil	2.84	5.94	—	—	P44ART** (4)	Brown	302	3
YS45A1^^	1250 kcmil	2.84	6.21			P48PR1/ L44ART** (6)	Brown	302	2-7/8
YS46A1^^	1500 kcmil	3.40	7.05	—	—	L46ART*** (2)	Blue	478	3-7/8
YS47A1^^	1750 kcmil	3.99	8.31			L47ART*** (2)	White	587	4
YS48A1^^	2000 kcmil	3.66	7.58	—	—	L48ART*** (2)	Red	479	3-5/8
YS483A1^^	2250 kcmil ALUMINUM ONLY	3.66	7.58			L48ART*** (2)	Red	479	3-5/8

▲ See tooling section of this catalog for complete tool and die listing.

① No color code assigned.

‡ UL Listed for Aluminum only. Not CSA Certified.

+ Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact Al.

* Use PUADP1 adaptor with U dies in 46 Series.

■ The largest size for the 35 Series is 400 kcmil.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

● Also accommodates compressed and compact conductors (except for 700 kcmil in 750 kcmil barrel).

^^ 75°C Rated

**P-RT dies for use in 46 Series tools only.

***L dies for use with 60 Ton HYPRESS™ only

Note: All dimensions shown are for reference only.

Compression Connections

Aluminum / Copper Compression
HYREDUCER™ Aluminum Reducing Splices

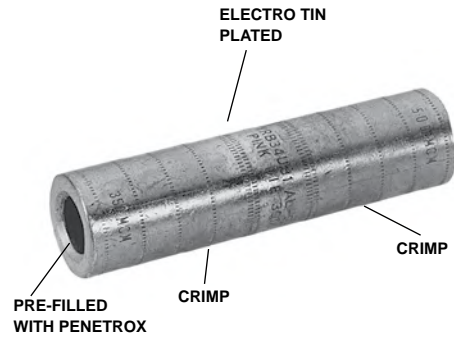
TYPE YRB

HYREDUCER™ Aluminum Reducing Splice



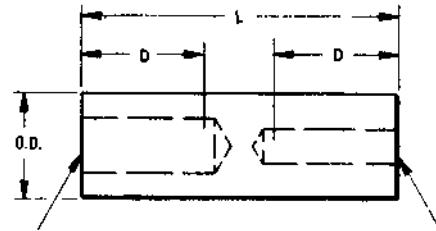
UL Listed 90° C, Up to 35 kV ♦

HYREDUCER™ Type YRB reducer butt splices are designed to splice two different conductor sizes and is UL Listed for aluminum to copper and aluminum to aluminum applications. The outside diameter is held constant to minimize installation dies and is factory pre-filled with PENETROX™ oxide inhibitor.



Features & Benefits

- Aluminum splice reducers are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector:
 - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
 - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Barrel features an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with crimp location bands
- Factory pre-filled with PENETROX™ Type A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code and prevent foreign materials from entering the barrel
- The barrels are designed to accommodate larger run conductor and smaller tap conductor so the inside diameters on each end of the barrel are different but the outside diameter is held constant minimizing number of installation dies necessary



- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

Catalog Number	Conductor Range • Aluminum or Copper Size †		Dimensions			Installation Tooling ▲ Hydraulic Tools, Die Sets (No. of Crimps ‡)				Wire Strip Length
	Barrel A	Barrel B	O.D.	D	L	35 ■, 750, 46* Series	‡	Die Index	Color Code	
YRB2U4	1 str. 2 str.	4 str. 3 str.	0.65	0.88	2.00	U25ART	1	296	Tan	15/16
YRB25U2	1/0 str.	1 str. 2 str.	0.65	0.88	2.00	U25ART	1	296	Tan	15/16
YRB27U25	3/0 str.	1/0 str.	0.85	1.36	3.31	U28ART	2	298	White	1-7/16
YRB27U26	3/0 str.	2/0 str.	0.85	1.36	3.31	U28ART	2	298	White	1-7/16
YRB28U26	4/0 str.	2/0 str.	0.85	1.36	3.31	U28ART	2	298	White	1-7/16
YRB29U28	250 kcmil	4/0 str.	1.11	1.73	4.21	U31ART	2	299	Brown	1-13/16
YRB31U28	350 kcmil	4/0 str.	1.11	1.73	4.21	U31ART	2	299	Brown	1-13/16
YRB31U29	350 kcmil	250 kcmil	1.11	1.73	4.21	U31ART	2	299	Brown	1-13/16
YRB34U31	500 kcmil	350 kcmil	1.31	2.11	5.12	U34ART	4	300	Pink	2-3/16
YRB36U31	600 kcmil	350 kcmil	1.46	2.25	5.57	U39ART2	4	936	Yellow	2-5/16
YRB36U34	600 kcmil	500 kcmil	1.46	2.25	5.57	U39ART2	4	936	Yellow	2-5/16
YRB39U34	700/750 kcmil • 900 Compact AL ▼	500 kcmil	1.46	2.25	5.57	U39ART2	4	936	Yellow	2-5/16
YRB39U36	700/750 kcmil • 900 Compact AL ▼	600 kcmil	1.46	2.25	5.57	U39ART2	4	936	Yellow	2-5/16

† Contact BURNDY for conductor sizes not shown

▲ See tooling section of this catalog for complete tool and die listing

‡ Number of crimps

* Use PUADP1 adaptor with U dies in 46 Series

■ The largest size for the 35 Series is 400 kcmil

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

• Also accommodates compressed and compact conductors (except for 700 kcmil in 750 kcmil barrel)

▼ Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact Al.

Note: All dimensions shown are for reference only.

TYPES YFD, YFN, YFO, YFR

H-CRIMPIT™ Aluminum Compression Tap Connector



UL Listed 90° C, Up to 35 kV ♦

H-CRIMPIT™ compression tap connectors Types YFD, YFN, YFO, and YFR are for use with aluminum to aluminum and aluminum to copper connections.

The H-CRIMPIT™ taps are ideal for making both parallel and tap compression connections in risers and gutters. It should only be installed with hydraulic tools.

Features & Benefits

- Aluminum H Taps are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector:
 - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
 - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Each connector is factory sealed in polyethylene to ensure connector is delivered free of foreign materials prior to being installed
- Post crimp, the connector is easy to tape
- Connectors are clearly marked
- Factory pre-filled with PENETROX™ Type A13 oxide inhibitor
- Aluminum oxidation is not easily detected but causes resistance in a connection so it is imperative that the proper preparation takes place prior to making an aluminum-to-aluminum connection
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

DIE AND COLOR CODE
AND CRIMP INFORMATION

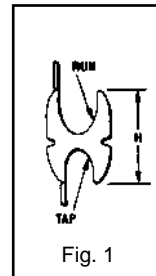
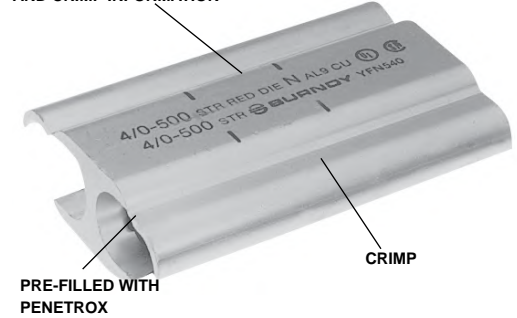


Fig. 1

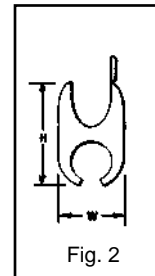


Fig. 2

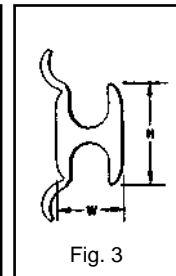


Fig. 3

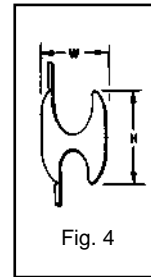
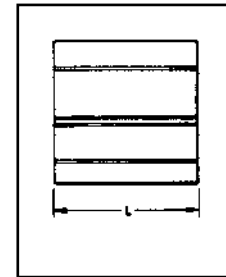


Fig. 4



Accommodates ②						Catalog Number	Fig. #	H	L	W	Installation Tooling ▲					Wire Strip Length
Copper or Aluminum		Compact ④		Dia. Range							Die Index	Color Code	Hydraulic Tools, Die Sets (No. of Crimps)			
Run	Tap	Run	Tap	Run	Tap								750, 35 Series	46 ⑤ Series	()	
1/0-6 Str	1-6 Str	2/0-6	1-6 Str	.398-.162	.332-.162	YFO140	1	1.15	1.62	0.70	O	Green	UYFO, UO	UYFO, UO	(2)	1-7/8
4/0-1 Str	2/0-1 Str	250-1/0	3/0-1/0	.563-.338	.477-.338	YFD365	1	1.42	2.50	0.89	D3	Blue	UD3 UYFD	UD3 UYFD	(3)	2-3/4
500-4/0	500-4/0	500-250	500-250	.815-.522	.815-.522	YFN540	3	1.82	4.50	1.23	N	Red	UN UYFN	PN PYFN	(3)	4-7/8
900-600	600-350	900-700	600-400	1.108-.877	.893-.659	YFR865	4	3.04	4.62	1.74	KR	Yellow	—	PKR PYFR	(4)	5

▲ See tooling section of this catalog for complete tool and die listings.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

* CSA Listed

Note: All dimensions shown are for reference only.

① Material: Aluminum.

② For Conductor combinations of AL to AL or AL to CU.

③ Catalog Number PUADP1 adaptor is required to use U type dies in 46 series tools; **do not use UYFN die set with PUADP1; use PYFN only.**

④ Other conductors not listed in table can be accommodated as long as the conductor diameter falls within diameter range specified.

TYPE YAEBA-S

Straight Style Battery Post Terminals

#6 - 4/0 AWG Solid and Stranded Copper

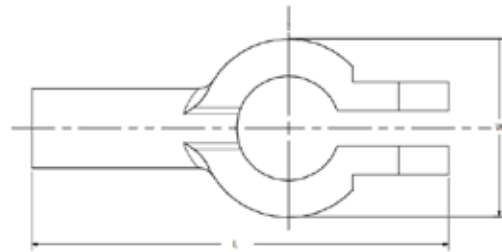
BURNDY straight style battery post terminals are made from pure copper alloy and tin plated to prevent corrosion. They adhere to SAE, JIS, and DIN stud standards. Typical applications are automotive, marine, transportation, petrochemical, and OEM markets.



Features & Benefits

Barrel:

- Color coded for easy identification
- Chamfered end
- Made of copper alloy, tin plated for corrosion resistance and RoHS compliance
- Supplied standard with stainless steel hardware installed



Post:

- Clamp color coded by polarity; red is positive, black is negative
- Not UL Listed but tested and met UL486A-486B pullout requirements

Catalog Number	Wire Range	Dimensions		Bulk Catalog Number	Conn. Color Code	Installation Tooling			Color Code Die	Die Index	Strip Length
		L	W			MD6, MD734R, 500, 600 Series	35, 750 Series	Dieless (# Crimps)			
YAEBAS6CNTN	#6	2.30"	0.98"	YAEBAS6CNTNOEM	Blue	W5CVT (1)	U5CRT (1)	81K Series (1) 4PC Series (1) 644 Series (1) MY2911 (1) MRC840 (1)	Blue	7	1-3/32"
YAEBAS6CPTN			1.02"	YAEBAS6CPTNOEM		W5CRT (1)					
YAEBAS4CNTN	#4		0.98"	YAEBAS4CNTNOEM	Gray	W4CVT (1)	U4CRT (1)		Gray	6	
YAEBAS4CPTN			1.02"	YAEBAS4CPTNOEM		W4CRT (1)					
YAEBAS2CNTN	#2		0.98"	YAEBAS2CNTNOEM	Green	W2CVT (1)	U2CRT (1)		Brown	10	
YAEBAS2CPTN			1.02"	YAEBAS2CPTNOEM		W2CRT (1)					
YAEBAS1CNTN	#1		0.98"	YAEBAS1CNTNOEM	Pink	W1CVT (1)	U1CRT (1)		Green	11	
YAEBAS1CPTN			1.02"	YAEBAS1CPTNOEM		W1CRT1 (1)					
YAEBAS25NTN	1/0	0.98"	YAEBAS25NTNOEM	Black	W25VT (1)	U25RT (1)	Pink	12			
YAEBAS25PTN		1.02"	YAEBAS25PTNOEM		W25RT (1)						
YAEBAS26NTN	2/0	0.98"	YAEBAS26NTNOEM	Orange	W26VT (1)	U26RT (1)	Black	13			
YAEBAS26PTN		1.02"	YAEBAS26PTNOEM		W26RT (1)						
YAEBAS27NTN	3/0	0.98"	YAEBAS27NTNOEM	Purple	W27VT (1)	U27RT (1)	Orange	14			
YAEBAS27PTN		1.02"	YAEBAS27PTNOEM		W27RT (1)						
YAEBAS28NTN	4/0	0.98"	YAEBAS28NTNOEM	Yellow	W28VT (1)	U28RT (1)	Purple	15			
YAEBAS28PTN		1.02"	YAEBAS28PTNOEM		W28RT (1)						

TYPE YAEB-A-F

T-Style Battery Post Terminals

#2 - 4/0 AWG Solid and Stranded Copper

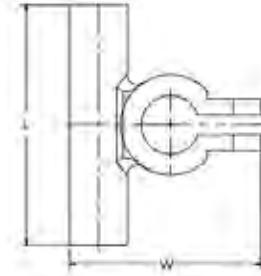
BURNDY T-Style battery post terminals are made from pure copper alloy and tin plated to prevent corrosion. They adhere to SAE, JIS, and DIN stud standards. Typical applications are automotive, marine, transportation, petrochemical, and OEM markets.



Features & Benefits

Barrel:

- Color coded for easy identification
- Chamfered end
- Made of copper alloy, tin plated for corrosion resistance and RoHS compliance
- Supplied standard with stainless steel hardware installed



Post:

- Clamp color coded by polarity; red is positive, black is negative
- Not UL Listed but tested and met UL486A-486B pullout requirements

Catalog Number	Wire Range	Dimensions		Bulk Catalog Number	Conn. Color Code	Installation Tooling			Die Color Code	Die Index	Strip Length
		L	W			MD6, MD734R, 500, 600 Series	35, 750 Series	Dieless (# Crimps)			
YAEBAF2CNTN	#2	2.36	1.89	YAEBAF2CNTNOEM	Green	W2CVT (1)	U2CRT (1)	MY2911 (1) MRC840 (1)	Brown	10	1-9/32
YAEBAF2CPTN				YAEBAF2CPTNOEM		W2CRT (1)					
YAEBAF1CNTN	#1			YAEBAF1CNTNOEM	Pink	W1CVT (1)	U1CRT1 (1)		Green	11	
YAEBAF1CPTN				YAEBAF1CPTNOEM		W1CRT1 (1)					
YAEBAF25NTN	1/0		1.97	YAEBAF25NTNOEM	Black	W25VT (1)	U25RT (1)	MY2911 (1) MRC840 (2)	Pink	12	
YAEBAF25PTN				YAEBAF25PTNOEM		W25RT (1)					
YAEBAF26NTN	2/0		YAEBAF26NTNOEM	Orange	W26VT (1)	U26RT (1)	Black	13			
YAEBAF26PTN			YAEBAF26PTNOEM		W26RT (1)						
YAEBAF27NTN	3/0	YAEBAF27NTNOEM	Purple	W27VT (1)	U27RT (1)	Orange	14				
YAEBAF27PTN		YAEBAF27PTNOEM		W27RT (1)							
YAEBAF28NTN	4/0	YAEBAF28NTNOEM	Yellow	W28VT (1)	U28RT (1)	Purple	15				
YAEBAF28PTN		YAEBAF28PTNOEM		W28RT (1)							

Compression Connections

Battery Terminals
One Hole Grounding / Starter Lugs

TYPE YAGB

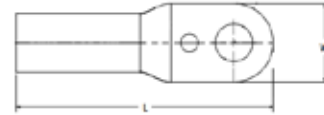
One Hole Battery Grounding / Starter Lugs

#6 - 4/0 AWG Solid and Stranded Copper



Features & Benefits

- Color coded for easy identification
- Chamfered end
- Made of copper alloy, tin plated for corrosion resistance and RoHS compliance
- Not UL Listed but tested and met UL486A-486B pullout requirements



Catalog Number	Wire Range	Stud Size	Dimensions		Bulk Catalog Number	Conn. Color Code	Installation Tooling			Color Code (Die)	Die Index	Strip Length
			L	W			MD6, MD734R, 500, 600 Series	35, 750 Series	Dieless (# Crimps)			
YAGB6CLTC10FX	#6	#10	1.46"	0.44"	YAGB6CLTC10FXOEM	Blue	W5CVT (1) W5CRT (1)	U5CRT (1)	81K Series (1) 4PC Series (1) MY2911 (1) MRC840 (1)	Blue	7	7/8"
YAGB6CLTC14FX		1/4"			YAGB6CLTC14FXOEM							
YAGB6CLTC516FX		5/16"	1.61"	0.60"	YAGB6CLTC516FXOEM							
YAGB6CLTC38FX		3/8"	YAGB6CLTC38FXOEM									
YAGB6CLTC12FX		1/2"	1.73"	0.74"	YAGB6CLTC12FXOEM							
YAGB4CLTC10FX	#4	#10	1.97"	0.75"	YAGB4CLTC10FXOEM	Gray	W4CVT (1) W4CRT (1)	U4CRT (1)	81K Series (1) 4PC Series (1) 644 Series (1) MY2911 (1) MRC840 (1)	Gray	6	15/16"
YAGB4CLTC14FX		1/4"			YAGB4CLTC14FXOEM							
YAGB4CLTC516FX		5/16"			YAGB4CLTC516FXOEM							
YAGB4CLTC38FX		3/8"			YAGB4CLTC38FXOEM							
YAGB4CLTC12FX		1/2"			YAGB4CLTC12FXOEM							
YAGB2CLTC10FX	#2	#10	2.09"	0.81"	YAGB2CLTC10FXOEM	Green	W2CVT (1) W2CRT (1)	U2CRT (1)	81K Series (1) 4PC Series (1) 644 Series (1) MY2911 (1) MRC840 (1)	Brown	10	15/16"
YAGB2CLTC14FX		1/4"			YAGB2CLTC14FXOEM							
YAGB2CLTC516FX		5/16"			YAGB2CLTC516FXOEM							
YAGB2CLTC38FX		3/8"			YAGB2CLTC38FXOEM							
YAGB2CLTC12FX		1/2"			YAGB2CLTC12FXOEM							
YAGB25LTC14FX	1/0	1/4"	2.40"	0.87"	YAGB25LTC14FXOEM	Black	W25VT (1) W25RT (1)	U25RT (1)		Pink	12	
YAGB25LTC516FX		5/16"			YAGB25LTC516FXOEM							
YAGB25LTC38FX		3/8"			YAGB25LTC38FXOEM							
YAGB25LTC12FX		1/2"			YAGB25LTC12FXOEM							
YAGB26LTC14FX	2/0	1/4"	2.44"	0.91"	YAGB26LTC14FXOEM	Orange	W26VT (1) W26RT (1)	U26RT (1)	81K Series (1) 4PC Series (1) 644 Series (1) MY2911 (1) MRC840 (2)	Black	13	1-3/16"
YAGB26LTC516FX		5/16"			YAGB26LTC516FXOEM							
YAGB26LTC38FX		3/8"			YAGB26LTC38FXOEM							
YAGB26LTC12FX		1/2"			YAGB26LTC12FXOEM							
YAGB28LTC14FX	4/0	1/4"	2.56"	1.10"	YAGB28LTC14FXOEM	Yellow	W28VT (1) W28RT (1)	U28RT (1)		Purple	15	
YAGB28LTC516FX		5/16"			YAGB28LTC516FXOEM							
YAGB28LTC38FX		3/8"			YAGB28LTC38FXOEM							
YAGB28LTC12FX		1/2"			YAGB28LTC12FXOEM							

TYPE YCP-L

Compression Cable Pulling Heads

Before using this product, it is required to read, understand, and comply with the Safety Operation Maintenance & Installation manual provided with the product.

Features & Benefits

- Range-taking; only 6 compression pulling heads are required to pull #6 AWG through 1000 kcmil wire
- Accommodates:
 - Copper Class B (Concentric, Compressed, Compact) or Class C wire
 - Aluminum Class B (Concentric, Compressed, Compact)
- Parallel installation; each of the 6 compression pulling heads come in 5 unique lanyard lengths for staggering when pulling multiple wires
- Knurl crimp bands clearly indicate the crimp zone locations on the compression pulling head barrels
- Protection sleeve at the lanyard loop connection

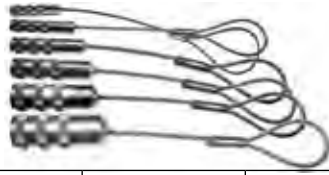
Catalog Number	Barrel OD (in)	Wire Size (Cu & AL)	Lanyard Length (in)	Minimum Wire Strip Length (in)
YCP25L13	.51"	#6 - 1/0 AWG	13"	2.50"
YCP25L20			20"	
YCP25L27			27"	
YCP25L34			34"	
YCP25L41			41"	
YCP28L13	.69"	2/0 AWG 3/0 AWG 4/0 AWG	13"	3.00"
YCP28L20			20"	
YCP28L27			27"	
YCP28L34			34"	
YCP28L41			41"	
YCP31L13	.88"	250 kcmil 300 kcmil 350 kcmil	13"	3.25"
YCP31L20			20"	
YCP31L27			27"	
YCP31L34			34"	
YCP31L41			41"	
YCP34L13	1.06"	400 kcmil 450 kcmil 500 kcmil	13"	3.25"
YCP34L20			20"	
YCP34L27			27"	
YCP34L34			34"	
YCP34L41			41"	
YCP39L13	1.30"	550 kcmil 600 kcmil 650 kcmil 700 kcmil 750 kcmil	13"	3.25"
YCP39L20			20"	
YCP39L27			27"	
YCP39L34			34"	
YCP39L41			41"	



Compression Connections

Compression Cable Pulling Heads
Type YCP-L

TYPE YCP-L (Continued)



Catalog Number	Barrel OD (in)	Wire Size (Cu & AL)	Lanyard Length (in)	Minimum Wire Strip Length (in)
YCP44L13	1.50"	800 kcmil 900 kcmil 1000 kcmil	13"	3.25"
YCP44L20			20"	
YCP44L27			27"	
YCP44L34			34"	
YCP44L41			41"	

Installation Tooling and Max Rated Pull Loads		Max. Rated Pull Load per Cable (lbs) Copper & Aluminum Wire with 444 and 644 Series of Tools			Max. Rated Pull Load per Cable (lbs) Copper & Aluminum Wire with 750 or 46 Platform Tooling			
Catalog Number* (add lanyard length)	Wire Size	Copper (Concentric Compress Compact)	Aluminum (Concentric Compress Compact)	444, 644 Series (# of Crimps)	Copper (Concentric Compress ONLY)	Copper (Compact ONLY)	Aluminum (Concentric Compress Compact)	750, 46** Series Die # (# of Crimps)
YCP25L*	#6 AWG	200	200	(1)	N/A	N/A	N/A	N/A
	#4 AWG	300	300					
	#3 AWG	400	400					
	#2 AWG	500	400					
	#1 AWG	1,200	400					
YCP28L*	1/0 AWG	1,200	400	(2)	N/A	N/A	N/A	U25RT (1)
	2/0 AWG	1,200	400					
	3/0 AWG	2,000	750					
YCP31L*	4/0 AWG	2,000	1,000	(3)	N/A	N/A	N/A	U28RT (2)
	250 kcmil	2,000	1,200					
	300 kcmil	4,000	1,500					
YCP34L*	350 kcmil	4,000	1,800	(3)	N/A	N/A	N/A	U31RT (3)
	400 kcmil	4,000	2,000					
	450 kcmil	5,000	2,400					
YCP39L*	500 kcmil	5,000	2,700	(3)	N/A	N/A	N/A	U34RT (3)
	550 kcmil	5,000	3,600					
	600 kcmil	5,000	3,600					
	650 kcmil	5,000	3,600					
	700 kcmil	5,000	3,600					
YCP44L*	750 kcmil	5,000	3,600	(3)	N/A	N/A	N/A	U39RT (3)
	800 kcmil	5,000	3,600					
	900 kcmil	5,000	3,600					
YCP44L*	1000 kcmil	5,000	5,000	(3)	N/A	N/A	N/A	U44XRT (3)

* Lanyard length needs to be added for complete catalog number. Example: YCP34L13 is 13" Lanyard Length.

**46 Series requires PUADP1 adapter to use U dies.

Table of Contents

Clear Cold Shrink.....D-2
 Type CCSC, Silicon Rubber

Cold Seal Splice Kits.....D-3
 Type CSB, Low-Voltage Conductor
 Type CSJ, JCN Medium Voltage

Thin Wall Heat Shrink Tubing
 Type HS-T-PF, 6" Lengths.....D-4
 Type HS-T-PF, 4' Reels.....D-5
 Type HS-T-PF, 25' Reels.....D-6

Heavy Wall Heat Shrink Tubing
 Type HS-H-PF.....D-7

Clear VISI-SHRINK™ Heat Shrink Tubing
 Type HSC-FR.....D-8

Thin Wall Heat Shrink Tubing,
 Flame Retardant
 Type HS-FR.....D-9

Heavy Wall Heat Shrinkable End Caps
 Flame Retardant
 Type HSIC-FR.....D-10

Heat Gun
 Type BHSG1100.....D-11



Shrink Tubing

Clear Cold Shrink
Silicon Rubber

TYPE CCSC

Clear Cold Shrink

Material: Silicon Rubber



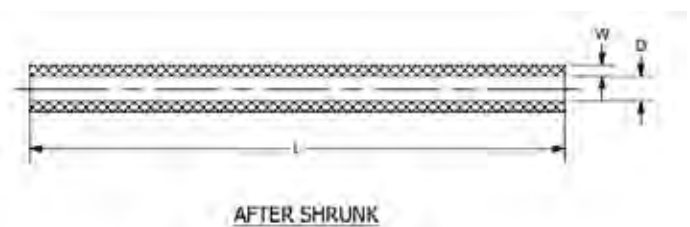
1000 Volts
Operating Temperature 90° C



Clear Cold Shrink tubing provides a clear way to inspect connections after installation. The clear cold shrink tubing allows inspectors to verify die index embossments on compression connections. No installation tools required.

Features and Benefits

- Length of tube is consistent before and after application
- Clear shrink tube for inspection purposes
 - Verify BURNDY die embossment
 - Verify correct number of crimps
 - Verify location of crimps
 - Verify proper strip length with no wire exposed
- Rip and Grip! Does not require heat gun or any installation tools
- Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil
- cULus insulating cover for wire connectors tested in accordance to UL 486A/B
- Passes UL 746C Glow Wire Test
- Ripcord is recyclable



Clear Cold Shrink Catalog Number	ID Before Shrink	Jacket O.D. Range	W	D	Cold Shrink Tube Length
CCSC110600	1.10	Ø.39" - 0.80"	.12	.28	5.91
CCSC110800	1.10	Ø.39" - 0.80"	.12	.28	7.99
CCSC126600	1.26	Ø.56" - 0.90"	.09	.49	5.91
CCSC126900	1.26	Ø.56" - 0.90"	.09	.49	9.02
CCSC146600	1.46	Ø.70" - 1.05"	.10	.63	5.91
CCSC146900	1.46	Ø.70" - 1.05"	.10	.63	9.02
CCSC200600	2.09	Ø.90" - 1.28"	.12	.75	5.91
CCSC200900	2.09	Ø.90" - 1.28"	.12	.75	9.02
CCSC2001200	2.09	Ø.90" - 1.28"	.12	.75	12.01



Inspectability to verify correct tool/die combination

TYPES CSB, CSJ

Cold Seal Splice Kits

These cold applied splice sealing products are made of specially formulated silicone rubber and offer excellent insulation and moisture proof sealing for in-line cable connector systems or elbow to cable jacket applications. The rubber sleeves are factory expanded and held over a removable, plastic rip core housing. Installs quickly and easily. Type CSJ also includes a mastic seal. Operating temperature range: -40°C to 105°C. Meets ANSI C119.1-1986.



Features and Benefits

- Easy, safe installation
- Suitable for a wide range of cable sizes
- UV resistance, thermal stability
- No special tools or training required
- Forms a moisture proof seal
- Superior, time-saving insulation technology
- Indoor and outdoor applications

In-Line Splice Sealing Kits Type CSB - Low Voltage conductor only

Catalog Number	Conductor Range	Application Range (min-max diameter)	Supplied Tube Length	Relaxed Tube Length
CSB037800SR1	#2 - 1/0	0.37" - 0.84"	6.50"	8.00"
CSB051900SR1	2/0 - 400	0.51" - 1.18"	7.50"	9.00"
CSB097900SR1	500 - 800	0.97" - 1.95"	7.50"	9.00"
CSB0971200SR1	500 - 800	0.97" - 1.95"	10.50"	12.00"
CSB125900SR1	900 - 1000	1.25" - 2.65"	7.50"	9.00"
CSB163900SR1	1250 - 2000	1.63" - 3.67"	7.50"	9.00"

Cable Jacket Sealing Kits Type CSJ (includes mastic seal)

Catalog Number	Application Range (min-max diameter)	Supplied Tube Length	Relaxed Tube Length
CSJB097600SR1	0.97" - 1.95"	4.50"	6.00"
CSJB125800SR1	1.25" - 2.65"	6.50"	8.00"
CSJB163900SR1	1.63" - 3.67"	7.50"	9.00"

TYPE HS-T-PF

Thin Wall Heat Shrink Tubing, 6 Inch Lengths

Type HS-T-PF is a flexible thin wall, flame retardant heat shrink tubing made of cross-linked polyolefin. The 2:1 shrink ratio allows for faster shrink recovery, covering wire sizes: #18 AWG to 300 kcmil. Operating temperatures from -55° C to 135° C with a shrink temperature of 120° C.



Meets SAE-AMS-DTL-23053/5 600 V

Catalog Number	Nominal Diameter Inches	Min. Exp. I.D. In.	Max. Recov. I.D. In.	Nom. Wall Thickness In.	Conductor Range	Pieces per Package	
						# Pieces Black	# Pieces Each Color
HSM116T6PF26	1/16	0.06	0.03	0.02	#18	8	3
HSB116T6PF26	1/16	0.06	0.03	0.02	#18	26	0
HSM332T6PF24	3/32	0.09	0.05	0.02	#18-16	6	3
HSB332T6PF24	3/32	0.09	0.05	0.02	#18-16	24	0
HSM18T6PF20	1/8	0.12	0.06	0.02	#18-14	2	3
HSB18T6PF20	1/8	0.12	0.06	0.02	#18-14	20	0
HSM316T6PF18	3/16	0.19	0.09	0.02	#18-12	6	2
HSB316T6PF18	3/16	0.19	0.09	0.02	#18-12	18	0
HSM14T6PF14	1/4	0.25	0.12	0.18	#14-10	2	2
HSB14T6PF14	1/4	0.25	0.12	0.18	#14-10	14	0
HSM38T6PF12	3/8	0.38	0.19	0.02	#8-6	6	1
HSB38T6PF12	3/8	0.38	0.19	0.02	#8-6	12	0
HSM12T6PF10	1/2	0.50	0.12	0.02	#6-2	4	1
HSB12T6PF10	1/2	0.50	0.12	0.02	#6-2	10	0
HSM34T6PF8	3/4	0.75	0.38	0.02	#1-3/0	2	1
HSB34T6PF8	3/4	0.75	0.38	0.02	#1-3/0	8	0
HSM100T6PF7	1	1.00	0.50	0.18	2/0-300	1	1
HSB100T6PF7	1	1.00	0.50	0.18	2/0-300	7	0

HSB series — all black

HSM series — multiple colors: black, blue, clear, green, red, white, yellow

HSB11612T6PF14	1/16, 3/32, 1/8, 3/16, 1/4, 3/8, 1/2	—	—	14	0
HSB38100T6PF8	3/8, 1/2, 3/4, 1"	—	—	8	0

Multiple diameter packages contain two pieces of each size listed: Black only.

TYPE HS-T-PF

Thin Wall Heat Shrink Tubing, 4 Foot Reels

Type HS-T-PF is a flexible thin wall, flame retardant heat shrink tubing made of cross-linked polyolefin. The 2:1 shrink ratio allows for faster shrink recovery, covering wire sizes: #18 AWG to 300 kcmil. Operating temperatures from -55° C to 135° C with a shrink temperature of 120° C.



Meets SAE-AMS-DTL-23053/5 600 V

Specify Color Code in Third Position of Catalog Number:

Example: HSC316T48PF

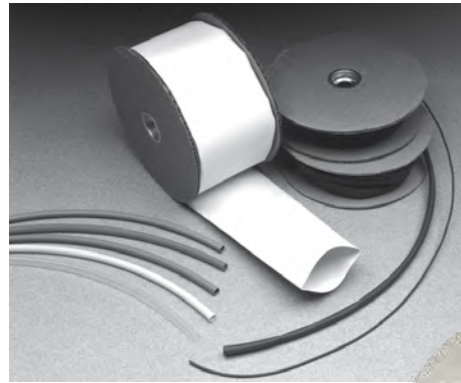
- B** : BLACK
- BL**: BLUE
- C** : CLEAR
- G** : GREEN
- R** : RED
- W** : WHITE
- Y** : YELLOW

Catalog Number	Nominal Diameter Inches	Min. Exp. I.D. In.	Max. Recov. I.D. In.	Nom. Wall Thickness In.	Conductor Range
HS_116T48PF	1/16	0.06	0.03	0.018	#18
HS_332T48PF	3/32	0.09	0.05	0.020	#18 - 16
HS_18T48PF	1/8	0.12	0.06	0.020	#18 - 14
HS_316T48PF	3/16	0.19	0.09	0.020	#18 - 12
HS_14T48PF	1/4	0.25	0.12	0.180	#14 - 10
HS_38T48PF	3/8	0.38	0.19	0.020	#8 - 6
HS_12T48PF	1/2	0.50	0.12	0.020	#6 - 2
HS_34T48PF	3/4	0.75	0.38	0.020	#1 - 3/0
HS_100T48PF	1	1.00	0.50	0.180	2/0 - 300
HS_150T48PF	1-1/2	1.50	0.75	0.180	250 - 500
HS_200T48PF	2	2.00	1.00	0.180	350 - 750

TYPE HS-T-PF

Thin Wall Heat Shrink Tubing, 25 Foot Reels

Type HS-T-PF is a flexible thin wall, flame retardant heat shrink tubing made of cross-linked polyolefin. The 2:1 shrink ratio allows for faster shrink recovery, covering wire sizes: #18 AWG to 300 kcmil. Operating temperatures from -55° C to 135° C with a shrink temperature of 120° C.



Meets SAE-AMS-DTL-23053/5 600 V



Specify Color Code in Third Position of Catalog Number:

Example: HSC116T300PF

- B** : BLACK
- BL**: BLUE
- C** : CLEAR
- G** : GREEN
- R** : RED
- W** : WHITE
- Y** : YELLOW

Catalog Number	Nominal Diameter Inches	Min. Exp. I.D. In.	Max. Recov. I.D. In.	Nom. Wall Thickness In.	Conductor Range
HS_116T300PF	1/16	0.06	0.03	0.018	#18
HS_332T300PF	3/32	0.09	0.05	0.020	#18 - 16
HS_18T300PF	1/8	0.12	0.06	0.020	#18 - 14
HS_316T300PF	3/16	0.19	0.09	0.020	#18 - 12
HS_14T300PF	1/4	0.25	0.12	0.180	#14 - 10
HS_38T300PF	3/8	0.38	0.19	0.020	#8 - 6
HS_12T300PF	1/2	0.50	0.12	0.020	#6 - 2
HS_34T300PF	3/4	0.75	0.38	0.020	#1 - 3/0
HS_100T300PF	1	1.00	0.50	0.180	2/0 - 300

TYPE HS-H-PF

Heavy Wall Heat Shrink Tubing,
Cut Lengths and 4 Foot Sticks



Type HS-H-PF is a heavy wall, heat shrink tubing made of cross-linked polyolefin. The shrink ratio is 3:1, and the inside diameter is coated with an adhesive sealant to protect against moisture and corrosion. UL486D Listed for direct burial applications. Accommodates #14 AWG - 500 kcmil conductors. Operating temperatures from -55° C to 135° C with a shrink temperature of 120° C.

Meets SAE-AMS-DTL-23053/5 600 V

Catalog Number	Length	Nominal Diameter Inches	Min. Exp. I.D. In.	Max. Recov. I.D. In.	Nom. Wall Thickness In.	Conductor Range	Number of Pcs. Per Package
HSB35H3PF25	3"	0.35	0.35	0.15	0.07	#14-10	25
HSB35H6PF25	6"	0.35	0.35	0.15	0.07	#14-10	25
HSB35H48PF5	4'	0.35	0.35	0.15	0.07	#14-10	5
HSB34H6PF10	6"	0.75	0.75	0.22	0.09	#6-2	10
HSB34H9PF10	9"	0.75	0.75	0.22	0.09	#6-2	10
HSB34H48PF5	4'	0.75	0.75	0.22	0.09	#6-2	5
HSB110H6PF5	6"	1.10	1.10	0.40	0.12	#1-3/0	5
HSB110H9PF5	9"	1.10	1.10	0.40	0.12	#1-3/0	5
HSB110H48PF5	4'	1.10	1.10	0.40	0.12	#1-3/0	5
HSB150H9PF3	9"	1.50	1.50	0.50	0.16	2/0-350	3
HSB150H12PF3	12"	1.50	1.50	0.50	0.16	2/0-350	3
HSB150H48PF5	4'	1.50	1.50	0.50	0.16	2/0-350	5
HSB200H9PF2	9"	2.00	2.00	0.75	0.16	250-500	2
HSB200H12PF2	12"	2.00	2.00	0.75	0.16	250-500	2
HSB200H48PF2	4'	2.00	2.00	0.75	0.16	250-500	2

Available in black only.

TYPE HSC-FR

VISI-SHRINK™ Fire Retardant Clear Heat Shrink Tubing

UL Recognized to 600V

Type HSC-FR is a flexible polyvinyl chloride clear heat-shrink tubing. Excellent flame retardant properties and a 2:1 shrink ratio, the VISI-SHRINK tubing enables inspectors to read die index embossments on installed connectors easily. UL Recognized, 105° C, 600V, the operating temperature from -20° C to 105° C with a shrink temperature of 135° C.



Features and Benefits

- UL 224, VW-1 Rated, self-extinguishing flame retardant properties
- Clear tubing allows inspection of die index embossment and shiner after installation is complete; should any corrosion occur it will be visible during inspection
- Low shrink temperature only requires common hot air guns to apply
- Meets MIL-M-23053/Z-206C

Catalog Number	I.D. Expanded	I.D. After Recovery	Wall Thickness	Conductor Range		Standard Reel Size (Feet)
				Code	Flex	
HSC18FR	0.13	0.06	0.03	#16-#14	#16-#14	50
HSC18FR250	0.13	0.06	0.03	#16-#14	#16-#14	250
HSC14FR	0.25	0.13	0.03	#12-#8	#12-#10	50
HSC14FR250	0.25	0.13	0.03	#12-#8	#12-#10	250
HSC38FR	0.38	0.19	0.03	#6-#4	#8-#6	50
HSC38FR250	0.38	0.19	0.03	#6-#4	#8-#6	250
HSC12FR	0.50	0.25	0.03	#4-#1	#6-#4	50
HSC12FR250	0.50	0.25	0.03	#4-#1	#6-#4	250
HSC34FR	0.75	0.38	0.03	1/0-3/0	#2-1/0	50
HSC34FR250	0.75	0.38	0.03	1/0-3/0	#2-1/0	250
HSC100FR	1.00	0.50	0.04	4/0-300	1/0-4/0	25
HSC100FR100	1.00	0.50	0.04	4/0-300	1/0-4/0	100
HSC112FR	1.50	0.75	0.04	350-750	250-500	25
HSC112FR100	1.50	0.75	0.04	350-750	250-500	100
HSC200FR	2.00	1.00	0.05	800-1000	500-750	25
HSC200FR100	2.00	1.00	0.05	800-1000	500-750	100

NOTES:

1. Shrink temperature is 135° C (275° F).
2. For best results move heat gun along the length of heat shrink to avoid concentrations.
3. To extend useful life, store material below 70° F.
4. For additional Heat Shrinkable Tubing see "URD" section Type RYAC and RK169-2, RK170-2 in this section.

TYPE HS-FR

Thin Wall Heat Shrink Tubing,
25, 50, 100, and 250 Foot Reels



UL Recognized to 600V

Type HS-FR is a flexible polyvinyl chloride thin wall heat shrink. Offering insulating, color identification and strain relieving properties for terminations and splices. The 2:1 shrink ratio, allows for faster shrink recovery, covering wire sizes: #16 AWG to 1000 kcmil UL Recognized, 105° C, 600V, the operating temperature from -20° C to 105° C with a shrink temperature of 135° C.



How to Order:

Example: **HSB18FR**

- B** - Black
- BLU** - Blue
- G** - Green
- R** - Red
- W** - White
- Y** - Yellow

Features and Benefits

- UL 224, VW-1 Rated, self-extinguishing flame retardant properties
- Multi-use tubing: insulate, strain relief
- Easy identification available in a wide range of colors
- Low shrink temperature only requires common hot air guns to apply
- Meets MIL-M-23053/Z-206C

Catalog Number	I.D. Expanded	I.D. After Recovery	Wall Thickness	Conductor Range		Standard Reel Size (Feet)
				Code	Flex	
HS_18FR	0.125	0.062	0.025	#16 - #14	#16 - #14	50
HS_18FR250	0.125	0.062	0.025	#16 - #14	#16 - #14	250
HS_14FR	0.250	0.125	0.025	#12 - #8	#12 - #10	50
HS_14FR250	0.250	0.125	0.025	#12 - #8	#12 - #10	250
HS_38FR	0.375	0.187	0.025	#6 - #4	#8 - #6	50
HS_38FR250	0.375	0.187	0.025	#6 - #4	#8 - #6	250
HS_12FR	0.500	0.250	0.025	#4 - #1	#6 - #4	50
HS_12FR250	0.500	0.250	0.025	#4 - #1	#6 - #4	250
HS_34FR	0.750	0.375	0.030	1/0 - 3/0	#2 - 1/0	50
HS_34FR250	0.750	0.375	0.030	1/0 - 3/0	#2 - 1/0	250
HS_100FR	1.000	0.500	0.035	4/0 - 300	1/0 - 4/0	25
HS_100FR100	1.000	0.500	0.035	4/0 - 300	1/0 - 4/0	100
HS_112FR	1.500	0.750	0.040	350 - 750	250 - 500	25
HS_112FR100	1.500	0.750	0.040	350 - 750	250 - 500	100
HS_200FR	2.000	1.000	0.045	800 - 1000	500 - 750	25
HS_200FR100	2.000	1.000	0.045	800 - 1000	500 - 750	100

NOTES:

1. Shrink temperature is 135° C (275° F).
2. For best results move heat gun along the length of heat shrink to avoid concentrations.
3. To extend useful life, store material below 70°F.
4. For additional Heat Shrinkable Tubing see "URD" section Type RYAC and RK169-2, RK170-2 in this section.

Shrink Tubing

Heavy Wall Heat Shrinkable End Caps
Flame Retardant, Cross-Linked Polyolefin

TYPE HSIC-FR

Heavy Wall Heat Shrinkable End Cap

UL Listed to 600V



Type HSIC-FR, Heat Shrink Insulating End Cap Fire Retardant is a heavy wall, fire retardant end cap made of cross-linked thermally stabilized black polyolefin. Used to insulate exposed conductors in energized applications. The 3:1 shrink ratio offers greater range, accommodating copper wire sizes, #8 AWG thru 2500+ kcmil. Performs effectively over lead, aluminum, steel, polyethylene, EPR, and PVC jacketed materials. Blue thermal chromatic lines disappear indicating correct installation temperature and provide inspectability. I.D. adhesive provides superior moisture and weather resistant characteristics.

Features and Benefits

- Minimum 28 Oxygen index, UL94 V-O Rated with self-extinguishing flame retardant properties
- 3:1 Shrink Ratio; minimum inventory required
- Thermal chromatic lines indicate proper installation
- Low shrink temperature, 150°C, only requires common hot air gun to apply
- Meets sealing requirements for ANSI-C119.1, UL486D
- Weather and moisture resistant



1. Slide the HSIC-FR end cap onto the cable and hold in place using forefinger or thumb.



2. Beginning at closed end apply heat, blue thermochromatic lines will begin to disappear at 150° C. Gradually, move heat source to open end and around cap. Once lines are no longer visible and adhesive flows out of open end, discontinue heating.



3. HSIC-FR end cap installed on cable.

Catalog Number	600V Cable		Internal Diameter		Wall Thickness		Length ± 20%		# of Pcs. per Pkg.
	Code	Flex	(Min) Exp.	(Max) Rec	Exp.	Rec. ± 20%	Exp.	Rec.	
HSIC81FR	#8-#1	#8-#4	0.50	0.16	0.03	0.08	3.00	2.50	10
HSIC440FR	#4-4/0	#4-2/0	0.75	0.24	0.03	0.08	3.50	2.50	10
HSIC10500FR	1/0-500 kcmil	#1-313.1 kcmil	1.10	0.35	0.04	0.12	4.00	3.00	5
HSIC301000FR	3/0-1000 kcmil	2/0-646 kcmil	1.50	0.47	0.05	0.16	4.50	3.25	5
HSIC200FR	300-1750 kcmil	250-1111 kcmil	2.00	0.63	0.05	0.16	4.50	3.50	5
HSIC350FR	1250 kcmil (min)	—	3.50	1.18	0.05	0.16	5.00	4.50	5

TYPE BHSG1100

Heat Gun

250° - 1100° F (121° - 650° C)

Multi-purpose, low cost heat gun has an electronic variable thermal control dial. BHSG1100 meets the requirements of UL. It has a temperature range of 250° - 1100° F (121° - 650° C). Two (2) speed motor. Built-in safety stand heat guard included. Professional heat gun and accessories are recommended for all of your BURNDY heat shrink applications.



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Table of Contents

The HYGROUND® Irreversible Compression System Introduction & Legend	E-2
Compression Connector Grid Example.....	E-3
Ground Rod/Rebar Diameter Chart.....	E-3
Wireless Communications Ground Ring Example.....	E-4
Features & Benefits	E-5
Product Offering Table by Application.....	E-5
HYGRID™ Type YGL-C Ground Grid Cross Connector	E-6
GRIDLOK™ Type YGLR-C Ground Rod to Grid.....	E-7
HYTAP™ Type YGHP-C Figure 6	E-8
HYTAP™ Type YGHP-C Ground Rod Tap.....	E-9
HYTAP™ Type YGHC-C Figure C.....	E-10
HYTAP™ Type YGHC-C Double Figure C.....	E-11
COPPER CRIMPIT™ Type YGC	E-12
HYTAP™ Type YSHG Double Figure H.....	E-13
HYTAIL™ Type YGHR-C Figure 8 Ground Rod Tap.....	E-14
HYTAIL™ Type YGHR-C Figure 8 Multitap Ground Rod Tap	E-15
HYLUG™ Type YGHA Heavy Duty Terminal.....	E-16
HYLUG™ Type YGA Terminal.....	E-17
GROUNDTAB for Metal Structure Grounding (requires welding)	E-18
HYLINK™ Type YGHS Heavy Duty Splice.....	E-19
HYLINK™ Type YGS Splice	E-20
Type YGF Grounding Plate.....	E-21
GROUNDLINK™ Type YGIB for Structural Steel (angled or parallel beam)	E-22
VERSITAIL™ Type GSTUD-HY Structural Steel Grounding Connector.....	E-24
Types YGT, YTTAG Static Grounding Receptacles	E-25
Type YG-B Connectors for Structural Steel or Bus Bar.....	E-26
Type BFB Terminal Lugs Compression Solution for Flexible Bus Bar.....	E-27

 **Lightning Protection Information**

Basic rules for selection are:

1. Must be like material to the conductor.
2. Two bolts to ground rod—minimum, for mechanical.
3. Cable to cable connections can be installed with one bolt, two bolt, or compression means.
4. Cable to steel structure must have 8 in.² contact with steel.
5. Heavy duty stacks—mechanical only.
6. On all connectors with heavy duty stack rating, we must offer 1/16" thick lead plating as an option. The reason is closest 25 ft. to stack opening must use lead coated product.
7. UL 96 Listing.










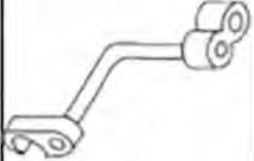
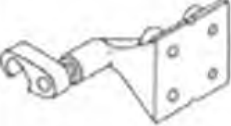

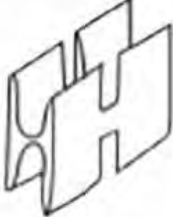


The HYGROUND® Irreversible Compression System

BURNDY® has developed an irreversible compression ground system which meets the most stringent safety and performance requirements, including those of OSHA and nuclear power plant design. Performance excellence and long life expectancy are the system's basic design guidelines. It is a complete system which consists of connectors for grid cross connections, taps, splices, cable to ground rod, ground plates and terminations.

Our irreversible compression ground connectors employ well-proven design principles and technology that have been in existence for over 60 years.

Connectors are just one component of our Irreversible Compression Ground System. Installation tooling is also an integral part of this system. BURNDY® pioneered the compression connector principle and continues today to be the leader in compression technology. Our tooling package is the most extensive in the industry and affords the user many options.

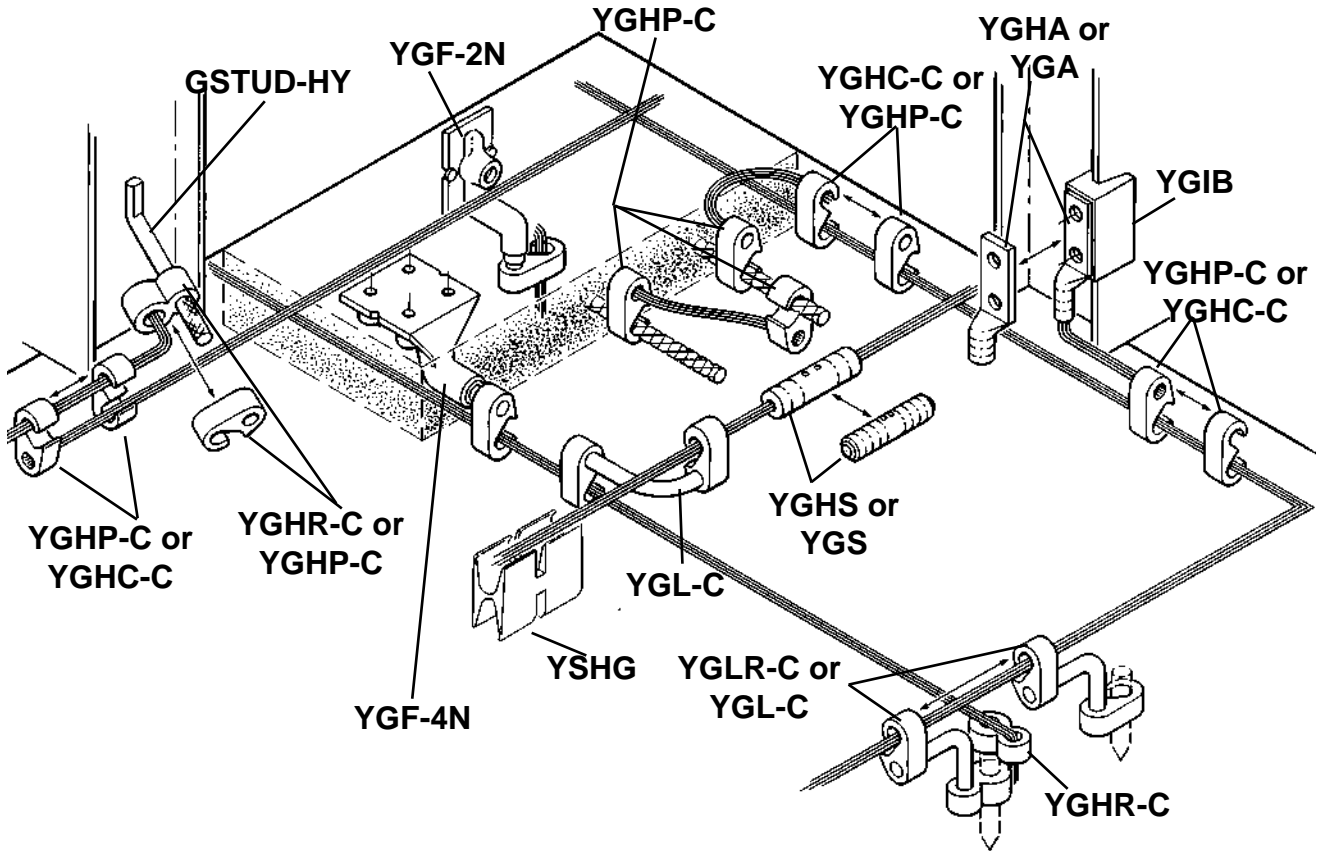
(LEGEND)

				
YGHA	YGA	YGHS	YGS	YG-B
				
YGHP-C	YGHC-C	YGIB	YGL-C	YGLR-C
				
YGF-4N	YGF-2N	YSHG	YGHR-C	GSTUD-HY

The HYGROUND® Irreversible Compression System

Example:

Compression Connector Grid



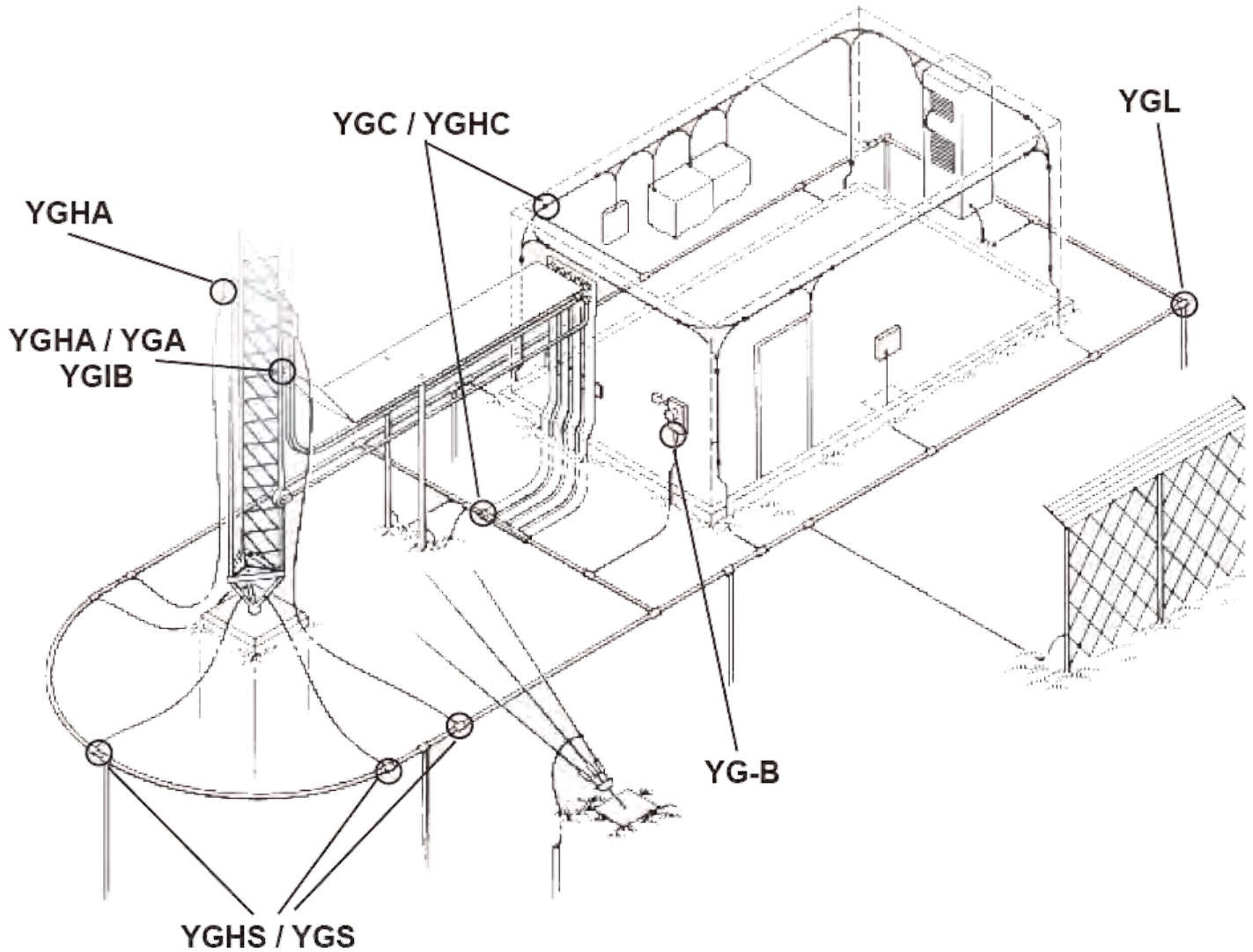
See Legend on Page E-2

Ground Rod and Rebar Diameter Chart				
Size	Ground Rod		Reinforcing Bar (Rebar)	
	Material*	Diameter	Size	Diameter
1/2"	Steel	0.500	#3 (3/8")	0.375
	Copperclad	0.475	#4 (1/2")	0.500
5/8"	Steel	0.625	#5 (5/8")	0.625
	Copperclad	0.563	#6 (3/4")	0.750
3/4"	Steel	0.750	#7 (7/8")	0.875
	Copperclad	0.682	#8 (1")	1.000
1"	Steel	1.000	#9 (1-1/8")	1.128
	Copperclad	0.914	—	—

The HYGROUND® Irreversible Compression System

Example:

Wireless Communications Ground Ring Compression Connector System



See Legend on Page E-2

The HYGROUND® Irreversible Compression System (Continued)

Features & Benefits

- Irreversible compression system; meets NEC code, section 250
- Pure wrought copper extrusions, rod, and seamless tubing (identical material to the conductor), completely eliminates the possibility of galvanic corrosion due to dissimilar metals
- Heavy duty connector designs; all connectors will carry the equivalent or greater current carrying capacity of the conductor while maintaining high mechanical strength and electrical integrity
- Range take designs for a minimum number of connector combinations required to install a conductor range of #6 solid to 500 kcmil plus 1/2", 5/8", 3/4", and 1" ground rods, and rebar; inventories are kept to a minimum and product selection is simplified
- System engineered tooling; each tooling recommendation ensures reliability of the connection
- Irreversible compression connectors can be installed in all kinds of weather, eliminating costly delays and enables the installer to better schedule the job
- May be installed without special training or special tools, the 750 Series of tools crimps the entire range providing a low installed cost with simplified installation
- Each connection can be made in less than 3 minutes
- Each connector is clearly marked with catalog number, conductor size, and installation die information for easy and accurate identification
- Inspection ports are provided to assure proper insertion of the conductor for built-in quality assurance
- The die index number is embossed on the connector after completion of the crimp facilitating speedy inspection of installed connectors to ensure consistently reliable and sound connections
- Most HYGROUND® irreversible compression elements are prefilled with PENETROX™ oxide inhibitor and individually sealed to keep all contact surfaces in the proper condition for installation as well as ensuring the electrical integrity of the finished connection by inhibiting moisture and contaminants from entering the contact area
- All HYGROUND® irreversible compression connectors are Listed in conformance with Underwriters Laboratories Standard UL467 and conform to applicable sections of the National Electrical Code; HYGROUND® connectors may be used in direct burial or concrete embedded grounding applications
- All HYGROUND® irreversible connectors (with the exception of Types YGA and YGS) have been tested successfully according to requirements of Standard IEEE 837 meeting tough industry performance requirements
- UPRECRIMP dies give added mechanical strength; UPRECRIMP34 is recommended for 3/4" rod; UPRECRIMP12 for 1/2" rod; and UPRECRIMP58 for 5/8" rod (now includes undersized U.S. marketplace rods)
- HYGROUND® connectors allow connection to most sizes of structural steel with no drilling, tapping, or welding — safely installed at low cost and hot work permits are not required to install in hazardous areas

Please contact Customer Service for applications requiring IEEE-837 2014.

HYGROUND® Product Offering Table by Application

Product Family	Connector Type	Wire to Wire	Wire to Ground Rod	Wire to Rebar	Wire to Busbar	Wire Termination	Wire to Structural Steel
YGL	Cross Grid	●	●				
YGLR	Ground Rod to Grid		●				
YGHP	Figure 6	●	●	●			
YGHC	Figure C	●	●				
YGHHC	Double C-Tap	●	●				
YGC	CRIMPIT™	●					
YSHG	H-Tap	●		●			
YGHR	Figure 8			●			
YGA	Lug (standard duty)				●	●	
YGHA	Lug (heavy duty)				●	●	
YGS	Splice (standard duty)	●					
YGHS	Splice (heavy duty)	●					
YGIB	I-Beam Connector						●
YG-B	Busbar Connector				●		

Compression Grounding

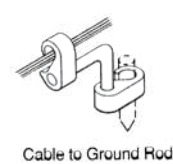
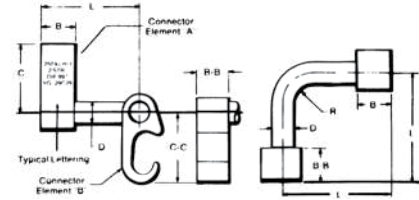
HYGROUND® Compression System
HYGRID™ Type YGL-C Cross Connector

HYGRID™ Type YGL-C Cross Connector

An irreversible compression ground grid cross connector which allows adjustment of the compression elements prior to installation. Only six connectors and four dies are required to install all combinations from #6 solid through 500 kcmil. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*



Catalog Number	B	BB	C	C-C	D	L	R
YGL2C2	0.75	0.75	1.09	1.09	0.31	2.50	0.31
YGL29C2			1.66	1.09	0.31		0.31
YGL29C29			1.66	1.66	0.50		0.50
YGL34C2			2.09	1.09	0.31		0.31
YGL34C29			2.09	1.66	0.50		0.50
YGL34C34			1.10	1.10	2.28		2.28	0.75	0.75

✓ UL96 Listed for Lightning Protection.

Catalog Number	Cable to Cable		Cable to Ground Rod ③		To Rebar
	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"
YGL2C2	#6 Sol. (0.162) - #2 Str. (0.292) {59500} - {59500}	#6 Sol. (0.162) - #2 Str. (0.292) {59500} - {59500}	—	—	—
YGL29C2	#1 Str. (0.332) - 250 kcmil (0.575) {98500} - {131500}	#6 Sol. (0.162) - #2 Str. (0.292) {59500} - {59500}	1/2" - 5/8" Rod	#6 Sol. (0.162) - #2 Str. (0.292)	3/8" - 1/2"
YGL29C29	#2 Str. (0.292) - 250 kcmil (0.575) {65500} - {131500}	#2 Str. (0.292) - 250 kcmil (0.575) {65500} - {131500}	1/2" - 5/8" Rod	#2 Str. (0.292) - 250 kcmil (0.575)	#3 - 4 Rebar
YGL34C2	250 kcmil (0.575) - 500 kcmil (0.813)	#6 Sol. (0.162) - #2 Str. (0.292)	5/8" - 3/4" Rod	#6 Sol. (0.162) - #2 Str. (0.292)	5/8" - 3/4" #5 - 6 Rebar
YGL34C29		#2 Str. (0.292) - 250 kcmil (0.575)		#2 Str. (0.292) - 250 kcmil (0.575)	
YGL34C34		250 kcmil (0.575) - 500 kcmil (0.813)		250 kcmil (0.575) - 500 kcmil (0.813)	

Dimensions in brackets { } represent lightning protection conductors.

Catalog Number	Installation Tools, Die Set Catalog Number (Number of Crimps)					
	750, 35 Series		45 Series ①		46 Series ②	
	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"
YGL2C2	UO (1)	UO (1)	UO (1)	UO (1)	UO (1)	UO (1)
YGL29C2	U997 (1)	UO (1)	U997 (1)	UO (1)	U997 (1)	UO (1)
YGL29C29	U997 (1)	U997 (1)	U997 (1)	U997 (1)	U997 (1)	U997 (1)
YGL34C2 †	PU998 (1)	UO (1)	S998 or PU998 (1)	UO (1)	P998 or PU998 (1)	UO (1)
YGL34C29 †	PU998 (1)	U997 (1)	S998 or PU998 (1)	U997 (1)	P998 or PU998 (1)	U997 (1)
YGL34C34 †	U1011 (3)	U1011 (3)	S1011 (3)	S1011 (3)	P1011 (3)	P1011 (3)

① 45 Series tools require PT6515 adapter to use "U" or "PU" die

② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

† These connectors can only be installed using the 750, 45, or 46 Series tools with the recommended dies.

*Please contact Customer Service for applications requiring IEEE-837 2014.

NOTES:

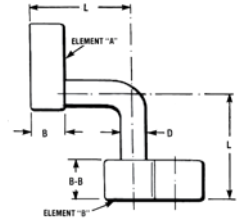
- Before crimping, both connector elements can be turned on rod diameter "D" to any desired position.
- Clean rust and/or protective coatings from rebar prior to installation.

③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

Ground Rod ③ Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP12	U2CABT
5/8"	UPRECRIMP58	
3/4"	UPRECRIMP34	

GRIDLOK™ Type YGLR-C Ground Rod to Grid Connector

Ground grid connector for a wide range of copper cable to ground rod. Provides high torque strength on ground rod. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*



Catalog Number	B	B-B	D	L	Commercial Copper Cable Range Element "A"	Metric Copper Cable Range Element "A"	CopperWeld Cable Range Element "A"	Ground Rod ⓐ Dia Element "B"
YGLR29C12	0.75	0.88 [22.4]	0.31	2.53	#2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.)	35mm ² (7.62mm Dia.) - 120 mm ² (14.40mm Dia.)	91.65 kcmil (0.343 Dia.) - 248.8 kcmil (0.572 Dia.)	1/2" [12.7]
YGLR34C12	0.75	0.88 [22.4]	0.31	2.53	250 kcmil (0.575 Dia.) - 500 kcmil (0.813 Dia.)	120 mm ² (14.40mm Dia.) - 240 mm ² (20.35mm Dia.)	248.8 kcmil (0.572 Dia.) - 498.8 kcmil (0.810 Dia.)	5/8" [15.9]
YGLR29C58	0.75	0.88 [22.4]	0.31	2.53	#2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.)	35mm ² (7.62mm Dia.) - 120 mm ² (14.40mm Dia.)	91.65 kcmil (0.343 Dia.) - 248.8 kcmil (0.572 Dia.)	3/4" [19.1]
YGLR34C58	0.75	0.88 [22.4]	0.31	2.53	250 kcmil (0.575 Dia.) - 500 kcmil (0.813 Dia.)	120 mm ² (14.40mm Dia.) - 240 mm ² (20.35mm Dia.)	248.8 kcmil (0.572 Dia.) - 498.8 kcmil (0.810 Dia.)	1" [25.4]
YGLR29C34	0.75	0.88 [22.4]	0.50	2.63	#2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.)	35mm ² (7.62mm Dia.) - 120 mm ² (14.40mm Dia.)	91.65 kcmil (0.343 Dia.) - 248.8 kcmil (0.572 Dia.)	
YGLR34C34	0.75	0.88 [22.4]	0.50	2.63	250 kcmil (0.575 Dia.) - 500 kcmil (0.813 Dia.)	120 mm ² (14.40mm Dia.) - 240 mm ² (20.35mm Dia.)	248.8 kcmil (0.572 Dia.) - 498.8 kcmil (0.810 Dia.)	
YGLR29C100	0.75	0.88 [22.4]	0.50	2.63	#2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.)	35mm ² (7.62mm Dia.) - 120 mm ² (14.40mm Dia.)	91.65 kcmil (0.343 Dia.) - 248.8 kcmil (0.572 Dia.)	
YGLR34C100	0.75	0.88 [22.4]	0.50	2.63	250 kcmil (0.575 Dia.) - 500 kcmil (0.813 Dia.)	120 mm ² (14.40mm Dia.) - 240 mm ² (20.35mm Dia.)	248.8 kcmil (0.572 Dia.) - 498.8 kcmil (0.810 Dia.)	

Catalog Number	Installation Tools, Die Set Cat. No. (Number of Crimps)							
	35 Series		750 Series		45 Series ①		46 Series ②	
	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"	Element "A"	Element "B"
YGLR29C12	U997 (1)	PU998 (1)	U997 (1)	U1011 (2) or PU998 (1)	U997 (1)	S1012 (2) or PU998 (1)	U997 (1)	P1011 (2) or PU998 (1)
YGLR34C12	—	—	U1011 or PU998 (1)	U1011 (2) or PU998 (1)	S998 or PU998 (1)	S1012 (2) or PU998 (1)	P998 or PU998 (1)	P1011 (2) or PU998 (1)
YGLR29C58	U997 (1)	PU998 (1)	U997 (1)	U1011 (2) or PU998 (1)	U997 (1)	S1012 (2) or PU998 (1)	U997 (1)	P1011 (2) or PU998 (1)
YGLR34C58	—	—	U1011 or PU998 (1)	U1011 (2) or PU998 (1)	S998 or PU998 (1)	S1012 (2) or PU998 (1)	P998 or PU998 (1)	P1011 (2) or PU998 (1)
YGLR29C34	U997 (1)	PU998 (1)	U997 (1)	U1011 (2) or PU998 (1)	U997 (1)	S1012 (2) or PU998 (1)	U997 (1)	P1011 (2) or PU998 (1)
YGLR34C34	—	—	U1011 (2) or PU998 (1)	U1011 (2) or PU998 (1)	U1011 (2) or PU998 (1)	S1012 (2) or PU998 (1)	U1011 (2) or PU998 (1)	P1011 (2) or PU998 (1)
YGLR29C100	—	—	U997 (1)	U1011 (2) or PU998 (1)	U997 (1)	S1012 (2) or PU998 (1)	U997 (1)	P1011 (2) or PU998 (1)
YGLR34C100	—	—	U1011 (2) or PU998 (1)	U1011 (2) or PU998 (1)	U1011 (2) or PU998 (1)	S1012 (2) or PU998 (1)	U1011 (2) or PU998 (1)	P1011 (2) or PU998 (1)

① Where a "U" or "PU" die is recommended with 45 Series tool, a PT6515 adapter must be used.

② Where a "U" or "PU" die is recommended with the 46 Series tool, a PUADP1 adapter must be used.

*Please contact Customer Service for applications requiring IEEE-837 2014.

NOTES:

- Before crimping, both connector elements can be turned on rod diameter "D" to any desired position.
- ③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

Ground Rod ⓐ Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP12	
5/8"	UPRECRIMP58	U2CABT
3/4"	UPRECRIMP34	

HYTAP™ Type YGHP-C Figure 6 Connector

Irreversible compression ground tap figure 6 can be used as a tap connector or as a tap splice connector. Four die sets and eight connectors can accommodate a conductor range from #8 solid through 500 kcmil plus 1/2", 5/8" and 3/4" copper bonded ground rods. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*

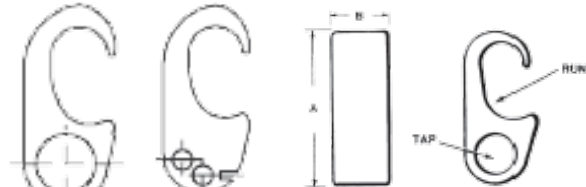


Fig. 1

Fig. 2

✓ UL96 Listed for Lightning Protection.

Dimensions in brackets { } represent lightning protection conductors.

Catalog Number	Fig. #	Accommodates		⑦ Cable to Rebar		B	Die Index	Installation Data			
		Run ⑧	Tap	Run	Tap			750, 35 Series	45 Series ①	46 Series ②	# of Crimps
YGHP2C2	1	#6 Sol. (0.162) {59500} - #2 Str. (0.292) {59500}	④ #6 Sol. (0.162) {59500} - #2 Str. (0.292) {59500}	—	—	0.75	O	UO	UO	UO	1
YGHP2C6W6W ⑤	2	#6 Sol. (0.162) - #2 Str. (0.292)	#8 Sol. (0.128) - #6 Str. (0.184) Qty. 2	—	—						1
YGHP29C6W6W ⑤	2		#8 Sol. (0.128) - #6 Str. (0.184) Qty. 2	#3 Rebar 3/8 - 1/2 #4 Rebar	#8 Sol. - 6 Str.						1
YGHP29C2	1	1/0 Str. (0.372) {98500} - 250 kcmil (0.575) {131500}	#4 Sol. (0.204) {#4 Sol.} - #2 Str. (0.292) {#2 Str.}	#3 Rebar 3/8 - 1/2 #4 Rebar	#2 Str.	2.31	997	U997	U997	U997	1
YGHP29C26	1	1/2" - 5/8" Rod	1/0 Str. (0.372) {98500} - 2/0 Str. (0.419) {98500}	#3 Rebar 3/8 - 1/2 #4 Rebar	1/0 Str. - 2/0 Str.						1
YGHP29C29 ⑥	1		3/0 Str. (0.470) {131500} - 250 kcmil (0.575) {211500}	#3 Rebar 3/8 - 1/2 #4 Rebar	3/0 Str. - 250 kcmil						1
YGHP34C2 ③	1	250 kcmil (0.575) {250 kcmil} - 500 kcmil (0.813) {500 kcmil} 5/8" - 3/4" Rod	#4 Sol. (0.204) - #2 Str. (0.292)	#5 Rebar 5/8 - 3/4 #6 Rebar	—	998	PU998	PU998 or S998	PU998 or P998	1	
YGHP34C26 ③	1		1/0 Str. (0.372) {98500} - 2/0 Str. (0.419) {98500}	#5 Rebar 5/8 - 3/4 #6 Rebar	1/0 Str. - 2/0 Str.					1	
YGHP34C29 ③	1		3/0 Str. (0.470) {131500} - 250 kcmil (0.575) {211500}	#5 Rebar 5/8 - 3/4 #6 Rebar	3/0 Str. - 250 kcmil					1	
YGHP34C34 ③	1	250 kcmil (0.575) - 500 kcmil (0.813) 5/8" - 3/4" Rod	350 kcmil (0.681) - 500 kcmil (0.843)	#5 Rebar 5/8 - 3/4 #6 Rebar	350 kcmil - 500 kcmil	2.75	1011	U1011	S1011	P1011	3

NOTES:

- ① 45 Series tools require PT6515 adapter to use "U" or "PU" die
- ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
- ③ These connectors can only be installed using the 750, 45 or 46 Series tools; cannot be installed with the 35 Series.
- ④ When using #6 Sol in tap, fold conductor double for improved fill.
- ⑤ Not UL96/CSA
- ⑥ When using 3/0 in tap, minimum run conductor must be 2/0 Str.
- ⑦ Clean rust and protective coatings from rebar prior to installation to provide proper ground connection. Precrimping is not required.

*Please contact Customer Service for applications requiring IEEE-837 2014.

Ground Rod ⑧ Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP12	U2CABT
5/8"	UPRECRIMP58	
3/4"	UPRECRIMP34	

⑧ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

HYTAP™ Type YGHP-C Ground Rod Tap Connector

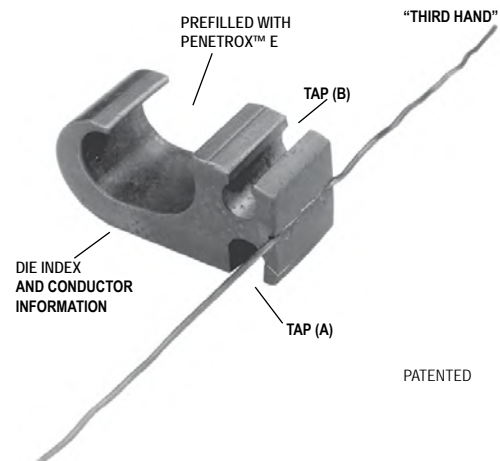
Type YGHP-C irreversible compression ground tap figure 6 can be used as a ground rod tap connector for both continuous run and tapping applications. An open groove allows ground rod to be connected to a continuous run or tap. The second groove is for a tap only. Prefilled with PENETROX™ E and strip sealed. UL467 Listed for direct burial in earth or concrete. *For applications requiring IEEE-837 2014, please contact Customer Service.

IEEE-837*

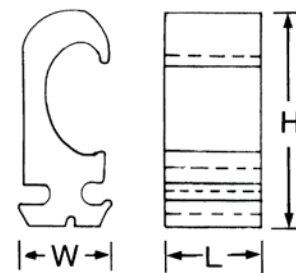


Features & Benefits

- Tap A accepts a continuous run or tap conductor; Tap B accepts a tap conductor only; one connector style can be used for many applications reducing the number of connectors required in inventory
- Material is high conductivity wrought copper extrusion, identical material to the conductor, minimizing resistance and voltage drop; additionally eliminates the possibility of corrosion due to dissimilar metals
- System engineered tooling has been designed to ensure a reliable, dependable connection every time
- Die index number is embossed on connector after completion of crimp facilitating inspection of installed connectors and ensures consistently reliable and dependable connections
- Prefilled with PENETROX™ E compound and individually sealed in clear polyethylene sheet ensuring electrical integrity of the finished connection by inhibiting moisture and contaminants from entering the contact area
- UL467 Listed and may be used in direct burial or concrete embedded grounding applications providing quality assurance to recognized industry NEC standard from an independent party
- "Third Hand" constrains conductors while installer completes crimp is included with each connector simplifying installation and reducing installed cost



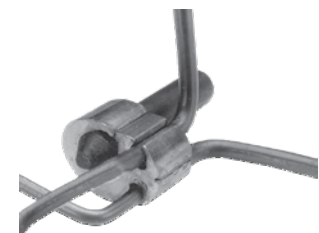
PATENTED



SINGLE TAP



CONTINUOUS RUN



CONTINUOUS RUN AND TAP

Catalog Number	Ground Rod Dia. ①	Tap Conductor ②	Dimensions			Installation Tooling Die Number ③ (# of Crimps)		Die Index
			H	L	W	35, 750 Series	④ 46 Series	
YGHP58C2W-2	1/2" - 5/8"	#2 Sol. - #6 Sol. Copper (1) Continuous Run and (1) Tap or up to (2) Taps may be connected	1.90"	0.75"	0.94"	U997 (1)	U997 (1)	997
YGHP58C2W-2TN								

① Ground rod must be precrimped with die U2CABT (Index 348); for greater rotational resistance use UPRECRIMP die; Galvanized Steel Rods require YGHP58C2W-2TN

② Either tap position may be left void when fewer than (2) conductors are used

③ See Tooling Section in Master Catalog for complete tool and die listing

④ Use PUADP1 adapter when using "U"-dies in 46 Series tools

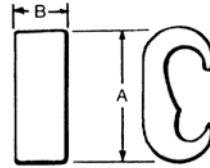
NOTE:

A 12" bend radius is recommended for the conductor

HYTAP™ Type YGHC-C Figure C Connector

Irreversible compression ground tap figure "C" connectors. Accommodates all cable combinations from #6 solid through 500 kcmil. "C"- shaped opening permits placing two continuous parallel cables into conductor groove. UL 467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed. Certain sizes are also UL467 Listed and CSA Certified for wire to ground rod.

IEEE-837*



✓ UL96 Listed for Lightning Protection.

Dimensions in brackets { } represent lightning protection conductors.

Catalog Number	Commercial Copper Cable to Cable or ③ Cable to Ground Rod		Stranded Copper Cable Range Metric		A	B	Die Index No.	Installation Data			No. of Crimps
	Run	Tap	Run	Tap				750, 35 ⑤ Series	45 Series ①	46 Series ②	
YGHC2C2	#6 Sol. (0.162) #2 Str. (0.292) 1/4" Rod ④	#6 Sol. (0.162) #2 Str. (0.292)	10 mm ² (4.12 mm) 35 mm ² (7.62 mm)	10 mm ² (4.12 mm) 35 mm ² (7.62 mm)	1.16	0.75	C	U-C	U-C	U-C	1
YGHC26C2	1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500} 3/8" Rod ④	#6 Sol. (0.162) {#6 Sol.} #2 Str. (0.292) {#2 Str.}	35 mm ² (7.62 mm) 70 mm ² (10.9 mm)	10 mm ² (4.12 mm) 35 mm ² (7.62 mm)	1.41	0.75	O	U-O	U-O	U-O	1
YGHC26C26	1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500} 3/8" Rod ④	1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500}	35 mm ² (7.62 mm) 70 mm ² (10.9 mm)	35 mm ² (7.62 mm) 70 mm ² (10.9 mm)	1.54	0.75	O	U-O	U-O	U-O	1
YGHC29C26	3/0 Str. (0.470) {3/0 Str.} 250 kcmil (0.575) {250 kcmil} 1/2" or 5/8" Rod ④	6 Sol. (0.162) {59500} 2/0 Str. (0.419) {98500}	95 mm ² (12.5 mm) 120 mm ² (14.4 mm)	10 mm ² (4.10 mm) 70 mm ² (10.90 mm)	1.97	0.75	997	U997	U997	U997	1
YGHC29C29	3/0 Str. (0.470) 250 kcmil (0.575) 1/2" or 5/8" Rod ④	3/0 Str. (0.470) 250 kcmil (0.575)	95 mm ² (12.5 mm) 120 mm ² (14.4 mm)	95 mm ² (12.5 mm) 120 mm ² (14.4 mm)	2.06	0.88	997	U997	U997	U997	1
YGHC34C26 ⑤	300 kcmil (0.630) {300 kcmil} 500 kcmil (0.813) {500 kcmil} 3/4" Rod ④	6 Sol. (0.162) {59500} 2/0 Str. (0.419) {98500}	150 mm ² (16 mm) 240 mm ² (20.35 mm)	10 mm ² (4.10 mm) 70 mm ² (10.90 mm)	2.42	0.88	1011	U1011	S1011	P1011	2
YGHC34C29 ⑤	300 kcmil (0.630) 500 kcmil (0.813)	3/0 Str. (0.470) 250 kcmil (0.575)	150 mm ² (16 mm) 240 mm ² (20.35 mm)	95 mm ² (12.5 mm) 120 mm ² (14.4 mm)	2.67	0.88	1011	U1011	S1011	P1011	2
YGHC34C34 ⑤	300 kcmil (0.630) 500 kcmil (0.813)	300 kcmil (0.630) 500 kcmil (0.813)	150 mm ² (16 mm) 240 mm ² (20.35 mm)	150 mm ² (16 mm) 240 mm ² (20.35 mm)	2.91	1.10	1011	U1011	S1011	P1011	3

- ① 45 Series tools require PT6515 adapter to use "U" or "PU" die
- ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
- ③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.
- ④ Ground rod to copper cable is UL467 Listed for direct burial in earth and concrete
- ⑤ These connectors cannot be installed with the 35 Series

NOTES:

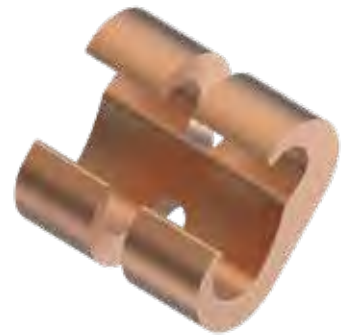
Listed under UL486A for copper wire connectors
For connectors without PENETROX™ oxide inhibitor, add suffix "NP" to the end of the catalog number (example: YGHC2C2-NP)

*Please contact Customer Service for applications requiring IEEE-837 2014.

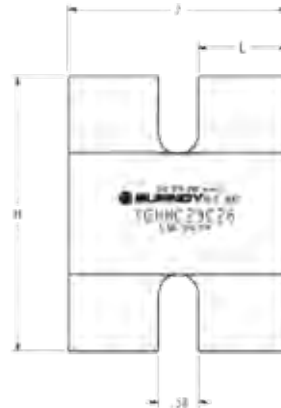
Ground Rod ③ Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP12	U2CABT
5/8"	UPRECRIMP58	
3/4"	UPRECRIMP34	

HYTAP™ Type YGHHC-C Double Figure C Connector

Irreversible compression ground tap figure "C" connectors. Accommodates all cable combinations from #6 solid through 500 kcmil. "C"-shaped opening permits placing two continuous parallel cables into conductor groove. The YGHHC-C series is qualified to IEEE-837 2014. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*



Catalog Number	Commercial Copper Cable to Cable or Cable to Ground Rod ③		Stranded Copper Cable Range Metric		H	L	Z	Die Index No.	Installation Data			No. of Crimps
	Run	Tap	Run	Tap					750, 35 Series	45 ① Series	46 ② Series	
YGHHC26C26	1 Str. (0.328) 2/0 Str. (0.419) 3/8" Rod	1 Str. (0.328) 2/0 Str. (0.419)	35 mm² (7.62 mm) 70 mm² (10.9 mm)	35 mm² (7.62 mm) 70 mm² (10.9 mm)	1.54 [39]	0.75 [19]	1.88 [48]	O	UO	UO	UO	2
YGHHC29C26	3/0 Str. (0.470) 250 kcmil (0.575) 1/2" or 5/8" Rod	6 Sol. (0.162) 2/0 Str. (0.419)	95 mm² (12.5 mm) 120 mm² (14.4 mm)	10 mm² (4.10 mm) 70 mm² (10.90 mm)	1.97 [50]	0.88 [22]	2.13 [54]	997	U997	U997	U997	2
YGHHC29C29	3/0 Str. (0.470) 250 kcmil (0.575) 1/2" or 5/8" Rod	3/0 Str. (0.470) 250 kcmil (0.575)	95 mm² (12.5 mm) 120 mm² (14.4 mm)	95 mm² (12.5 mm) 120 mm² (14.4 mm)	2.06 [52]	0.88 [22]	2.13 [54]	997	U997	U997	U997	2
YGHHC34C26 ⑤	300 kcmil (0.630) 500 kcmil (0.813) 3/4" Rod	6 Sol. (0.162) 2/0 Str. (0.419)	150 mm² (16 mm) 240 mm² (20.35 mm)	10 mm² (4.10 mm) 70 mm² (10.90 mm)	2.42 [62]	0.88 [22]	2.13 [54]	1011	U1011	S1011	P1011	4
YGHHC34C29 ⑤	300 kcmil (0.630) 500 kcmil (0.813)	3/0 Str. (0.470) 250 kcmil (0.575)	150 mm² (16 mm) 240 mm² (20.35 mm)	95 mm² (12.5 mm) 120 mm² (14.4 mm)	2.67 [68]	0.88 [22]	2.13 [54]	1011	U1011	S1011	P1011	4
YGHHC34C34 ⑤	300 kcmil (0.630) 500 kcmil (0.813)	300 kcmil (0.630) 500 kcmil (0.813)	150 mm² (16 mm) 240 mm² (20.35 mm)	150 mm² (16 mm) 240 mm² (20.35 mm)	2.91 [74]	1.10 [28]	2.58 [66]	1011	U1011	S1011	P1011	6

① 45 Series tools require PT6515 adapter to use "U" or "PU" die

② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

④ These connectors cannot be installed with the 35 Series

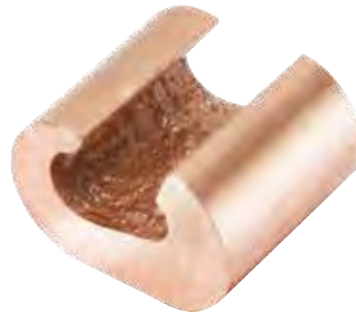
Ground Rod ③ Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP12	U2CABT
5/8"	UPRECRIMP58	
3/4"	UPRECRIMP34	

Compression Grounding

HYGROUND® Compression System
COPPER CRIMPIT™ Type YGC

COPPER CRIMPIT™ Type YGC

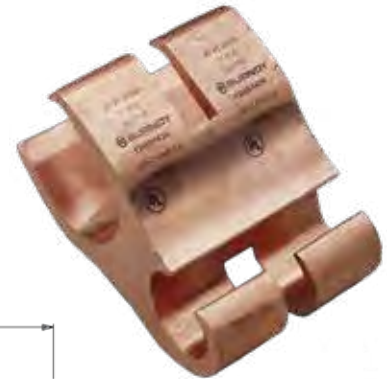
UL 467 Listed for direct burial in earth or concrete. Prefilled with PENETROX™ E2 oxide inhibitor.



Catalog Number	Copper Conductor (Sol. & Str.)		H	L	Die Index	OUR840	MD6/MD7	Number of Crimps
	Run	Tap						
YGC10C10	10 AWG	10 AWG	0.37	0.32	238	W238	W238	1
YGC8C8	8 AWG	8 AWG	0.46	0.52	162	W162	W162	2
YGC6C8	6 AWG	8 AWG	0.73	0.62	BG	XBG	WBG	2
YGC6C6	6 AWG	6 AWG	0.76	0.62	BG	XBG	WBG	2
YGC4C4	4 AWG	4 AWG	0.81	0.62	BG	XBG	WBG	2

HYTAP™ Type YSHG Double Figure H Connector

Type YSHG Double H-Tap grounding series is comprised of five connectors designed to accommodate wire range sizes #14 through 500 kcmil, including ground rod sizes: 3/4", 1", and rebar sizes: #6, #7, #8 and #9. Prefilled with PENETROX™ E2 and strip sealed.



Features & Benefits

- UL467 Listed, suitable for direct burial in earth or concrete
- Material is high conductivity copper extrusion to minimize resistance and eliminate corrosion due to dissimilar metals
- Grooves are prefilled with PENETROX™ E2 oxide inhibitor and individually sealed to inhibit moisture and contaminants ensuring electrical integrity

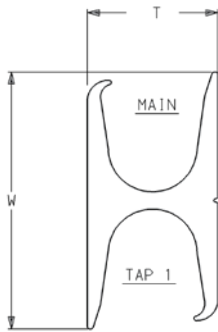
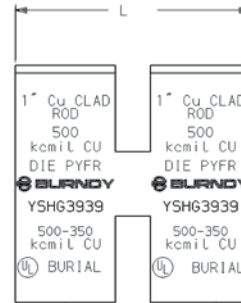


Fig. 1

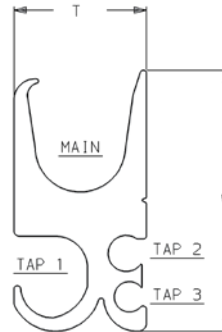


Fig. 2

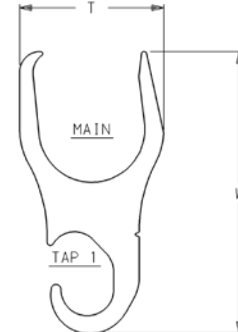


Fig. 3

Catalog Number	Fig. #	Conductor Sizes				Tooling (# of crimps)		Index Embossment	W ±.06	T ±.04	L ±.06
		Main	Tap 1	Tap 2	Tap 3	750 Series	46 Series				
YSHG4429	3	#9 & #8 Rebar, 1" [25] Ground Rod	250 - 2	—	—	—	PYFR (2)	KR	3.22	1.70	2.44
YSHG3931 ①	2	#6 & #7 Rebar, 1" [25] Cu Clad Ground Rod, 3/4" Ground Rod 500 - 350 kcmil Copper	4/0 - 1/0	1 - 6	2 - 14	—	PYFR (2)	KR	2.97	1.50	2.34
YSHG3434	1	#6 Rebar, 3/4" [19] Ground Rod 400 - 250 kcmil Copper	400 - 4/0	—	—	U1104 (4)	P1104 (2) ② U1104 (4)	1104	2.43	1.15	2.44
YSHG3429	2	#6 Rebar, 3/4" [19] Ground Rod 400 - 4/0 kcmil Copper	3/0 - 1/0	1 - 4	8 - 14	U1104 (4)	P1104 (2) ② U1104 (4)	1104	2.23	1.31	2.44

① Not for use on 1" steel ground rod

② Use PUADP1 adapter

Compression Grounding

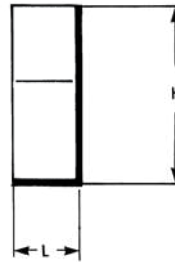
HYGROUND® Compression System
HYTAIL™ Type YGHR-C Ground Rod Tap Connector

HYTAIL™ Type YGHR-C Ground Rod Tap Connector

High torque strength ground rod connectors. Accommodates a wide range of copper conductors to ground rod. UL467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*



Catalog Number	H	L	Commercial Copper Cable Range	Nominal Ground Rod ③ Dia.	Installation Tools, Die Set Catalog Number (# of Crimps)				
					750, 35 Series	45 Series ①	46 Series ②		
YGHR26C12	1.94	0.88	#2 Str. (0.29 Dia.) - 2/0 Str. (0.42 Dia.)	1/2" [12.70]	U1011 (2) PU998 (1)	S1012 (2) PU998 (1)	P1011 (2) PU998 (1)		
YGHR26C58	1.97			5/8" [15.90]					
YGHR26C34	2.19			3/4" [19.00]					
YGHR26C100 ⑤	2.55			1" [25.40]					
YGHR29C12	1.94		#4/0 Str. (0.53 Dia.) - 250 kcmil (0.58 Dia.)	1/2" [12.70]		S1012 (2) PU998 (1)		P1011 (2) PU998 (1)	
YGHR29C58	2.14			5/8" [15.90]					
YGHR29C34	2.19			3/4" [19.00]					
YGHR29C100 ⑤	2.45			1" [25.40]					
YGHR34C58	2.14		300 kcmil (0.63 Dia.) - 500 kcmil (0.81 Dia.)	5/8" [15.90]		S1012 (2) PU998 (1)			P1011 (2)
YGHR34C34 ⑤	2.44			3/4" [19.00]					
YGHR34C100 ⑤	2.45			1" [25.40]					

- ① 45 Series tools require PT6515 adapter to use "U" or "PU" die
- ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
- ③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.
- ④ These connectors cannot be installed with the 35 Series

NOTES:

The catalog numbers shown are for unplated copper connectors for use on copper clad or stainless steel ground rod. To order electro-tin plated connectors for use on galvanized steel ground rod add suffix "-TN" to the catalog number. The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector.

Complete die catalog numbers do not always appear on the connector, sometimes it is the die index.

*Please contact Customer Service for applications requiring IEEE-837 2014.

Ground Rod ③ Dia.	PRECRIMP Dies	
1/2"	UPRECRIMP12	U2CABT
5/8"	UPRECRIMP58	
3/4"	UPRECRIMP34	

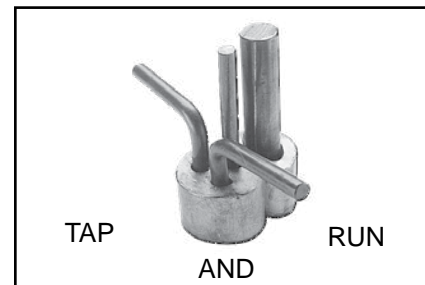
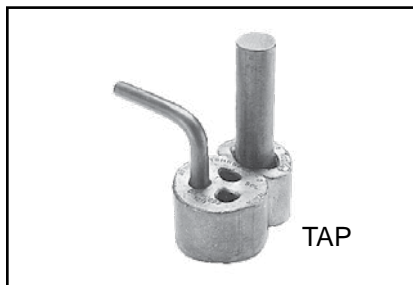
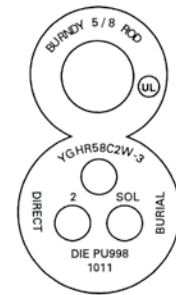
HYTAIL™ Type YGHR-C Ground Rod Connector

Type YGHR-C irreversible compression grounding connector is engineered specifically for the Telecommunications Industry for (1, 2 or 3) #2 solid, tinned or bare conductor taps. UL467 Listed. Acceptable for direct burial in earth or concrete. BURNDY® has designed this connector to meet the stringent requirements of OSHA, the National Electric Code (NEC), UL, and the Telecommunications Industry. Performance and long life are this connector's basic design guidelines.



Features & Benefits

- Tap side: 1, 2, or 3 conductors; one connector style can be used for many applications
- Material is high conductivity wrought copper extrusion, identical to conductor material, eliminating the possibility of corrosion due to dissimilar metals, additional minimizes resistance and voltage drop
- System engineered tooling has been designed to provide a reliable dependable connection
- Die index number embossed on connector after crimp completion facilitating inspectability and ensure consistently reliable and dependable connections
- Prefilled with PENETROX™ compound and individually sealed in clear polyethylene sheet ensuring the electrical integrity of finished connection by inhibiting moisture and contaminants from entering the contact area and maintaining long-term high conductivity
- UL 467 Listed, acceptable for direct burial or concrete embedded grounding applications providing quality assurance to recognized industry NEC standards from an independent party



Catalog Number	Ground Rod ⓐ Diameter	Tap Conductor ⓑ	Installation Tools, Die Set Catalog Number (# of Crimps)		Die Index
			750 Series 35 Series ⓓ	46 Series Ⓔ	
YGHR58C2W-3	5/8"	#2 Sol Copper 1, 2, or 3 may be connected	PU998 (1) U1011 (2)	PU998 (1) U1011 (2) P998 (1) P1011 (2)	998/1011

Notes:

To order electro-tin plated connector for use on galvanized steel ground rod add suffix "TN" to the catalog number; The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector
Contact BURNDY for other ground rod diameters
Ⓔ 46 Series tools require PUADP1 adapter to use "U" or "PU" die
ⓐ When attaching connector to ground rod, ground rod must be embossed with appropriate UPRECRIMP58 or U2CABT Precrimp dies for maximum clamping retention. No precrimp needed if using P1011 or U1011 die sets.
ⓑ The 35 Series can only use the PU998 die
ⓓ Tap positions may be left void when fewer than (3) conductors are used

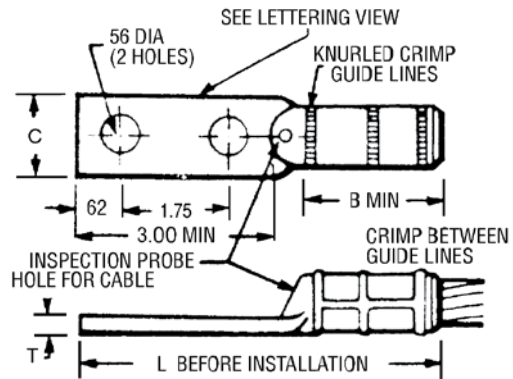
Ground Rod ⓐ Dia.	PRECRIMP Dies	
5/8"	UPRECRIMP58	U2CABT

Compression Grounding

HYGROUND® Compression System
HYLUG™ Type YGHA Heavy Duty Terminal

HYLUG™ Type YGHA Heavy Duty Terminal

Heavy duty HYLUG™ irreversible compression terminals designed not only to carry short circuit load, but to also withstand high mechanical stress. Each conductor element has an inspection probe hole to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.



Catalog Number	Copper Conductor Size	Installation Tools, Die Set Catalog Number and (# of Crimps) 35 Series, 750 Series, 45 Series ①, 46 Series ②	B	C	L	T
YGHA2C-2N	2 AWG	U1CRT1 (1)	0.75	0.97	4.21	0.26
YGHA25-2N	1/0 AWG	U27RT (1)	0.83	0.91	4.60	0.19
YGHA26-2N	2/0 AWG	U28RT (1)	0.83	0.97	4.38	0.26
YGHA27-2N	3/0 AWG	U29RT (1)	1.18	1.08	4.94	0.29
YGHA28-2N	4/0 AWG	U30RT (2)	1.18	1.22	4.94	0.30
YGHA29-2N	250 kcmil	U31RT (2)	1.18	1.28	4.94	0.34
YGHA31-2N*	350 kcmil	U34RT (2)	1.18	1.62	5.00	0.43
YGHA34-2N	500 kcmil	U36RT (3)	1.48	1.72	5.42	0.40

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
 ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
 * IEEE837 2002 Qualified
 Add -TN suffix for tin plating

HYLUG™ Type YGA Terminal

Irreversible compression HYLUG™ ground terminal specifically designed for grounding applications. Each connector has an inspection probe hole to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.

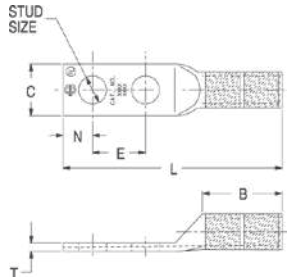


Fig.1

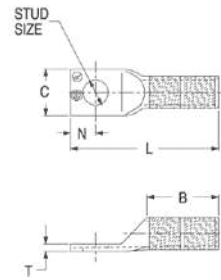


Fig.2



Catalog Number	Fig. #	Copper Conductor Size (Sol. & Str.)	Installation Tools, Die Set Cat. No. and (# of Crimps)		Stud Size	B	C	L	T	E
			Mechanical	Hydraulic						
			MD7-34R or OUR840	35 Series, 750 Series, 45 Series ①, 46 Series ②						
YGA8C-TC10	2	8 Sol./8 Str.	W8CVT (2) X8CRT (2)	U8CRT (2)	#10	0.81	0.41	1.57	0.08	—
YGA8C-TC14	2	8 Sol./8 Str.	W8CVT (2) X8CRT (2)	U8CRT (2)	1/4	0.81	0.44	1.69	0.08	—
YGA8C-TC516	2	8 Sol./8 Str.	W8CVT (2) X8CRT (2)	U8CRT (2)	5/16	0.81	0.51	1.75	0.06	—
YGA8C-2N	1	8 Sol./8 Str.	W8CVT (2) X8CRT (2)	U8CRT (2)	1/2	0.78	0.83	4.09	0.12	1.75
YGA6C-TC10	2	6 Sol./6 Str.	W5CVT (2) X5CRT (2)	U5CRT (2)	#10	1.12	0.42	1.89	0.09	—
YGA6C-TC14	2	6 Sol./6 Str.	W5CVT (2) X5CRT (2)	U5CRT (2)	1/4	1.12	0.45	2.02	0.08	—
YGA6C-TC516	2	6 Sol./6 Str.	W5CVT (2) X5CRT (2)	U5CRT (2)	5/16	1.12	0.51	2.08	0.07	—
YGA6C-2TC38E2G1	1	6 Sol./6 Str.	W5CVT (2) X5CRT (2)	U5CRT (2)	3/8	1.12	0.58	3.42	0.06	0.75
YGA6C-2N	1	6 Sol./6 Str.	W5CVT (2) X5CRT (2)	U5CRT (2)	1/2	1.09	0.83	4.40	0.12	1.75
YGA2C-2TC38	1	2 Sol./2 Str.	W2CRT (2) X2CRT (2)	U2CRT (2)	3/8	1.25	0.60	3.48	0.12	1.00
YGA2C-2N	1	2 Str.	W2CRT (2) X2CRT (2)	U2CRT (2)	1/2	1.22	0.83	4.71	0.12	1.75
YGA25-2N	1	1/0 Str.	W25VT (4) X25RT (4)	U25RT (2)	1/2	1.35	0.83	4.81	0.12	1.75
YGA26-2N	1	2/0 Str.	W26VT (4) X26RT (4)	U26RT (2)	1/2	1.45	0.81	4.97	0.12	1.75
YGA28-2N	1	4/0 Str.	W28VT (4) X28RT (4)	U28RT (2)	1/2	1.57	1.00	5.17	0.14	1.75
YGA29-2N	1	250 kcmil	W29VT (4)	U29RT (2)	1/2	1.57	1.09	5.21	0.16	1.75
YGA34-2N	1	500 kcmil	W34VT (4)	U34RT (4)	1/2	2.20	1.52	6.08	0.23	1.75

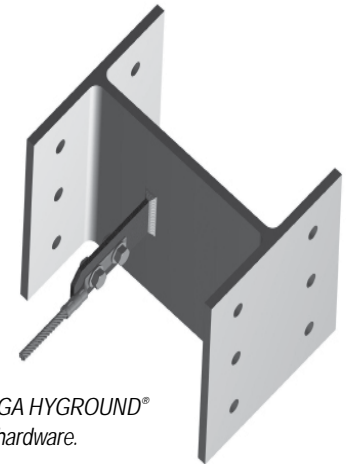
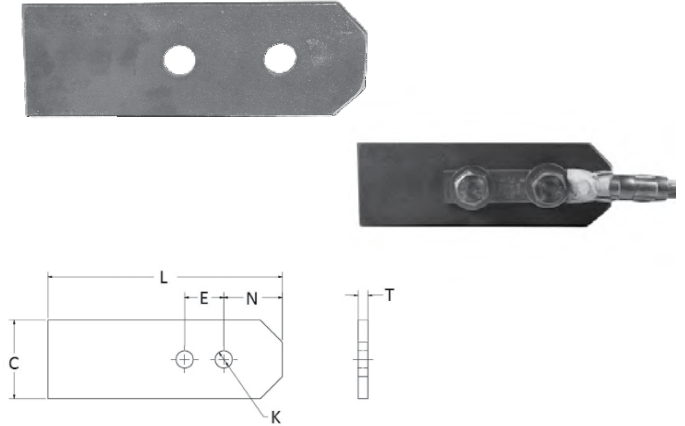
① 45 Series tools require PT6515 adapter to use "U" or "PU" die
② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

GROUNDTAB for Metal Structure Grounding *(requires welding)*

The BURNDY® GROUNDTAB offers a convenient attachment point for terminations of ground wires to steel structures or steel supports. The tabs are easily welded to steel, with two mounting pattern options available. The tabs are made of steel, 1/4" thick, and can be used to attach 1-hole or 2-hole terminals. Compression terminals, mechanical terminals, or SERVIT® Posts can be used to attach ground wires to steel tabs. All connection options and necessary hardware are sold separately. Often used when traditional connection methods are not practical, or when temporary grounds are required. Common applications include large generators, mobile construction site modules, housing structures built in permafrost areas, and in any metal structure requiring a permanent or temporary ground option.

Features & Benefits

- Convenient
- Can be used to attach 1-hole or 2-hole terminals
- 1/4" thick steel
- Easily welds to steel
- Offers many connection options
- Used when traditional options are not practical



GROUNDTAB with Type YGA HYGROUND® compression terminal and hardware.

Right: Application image of GROUNDTAB used with terminals



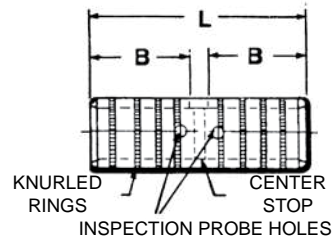
Catalog Number	L Inches	C Inches	T Inches	N Inches	No. of Holes	Hole Size (K)	Hole Spacing (E) Inches
GROUNDTAB1/2	6.00	2.00	1/4"	1.50	2	1/2"	1.75
GROUNDTAB3/8	6.00	2.00	1/4"	1.50	2	3/8"	1.00

HYLINK™ Type YGHS Heavy Duty Splice

Heavy duty HYLINK™ ground splice designed not only to carry short circuit load, but to also withstand high mechanical stress. Each conductor element has an inspection probe hole and a center stop to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*

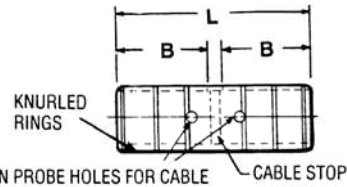


Catalog Number	Copper Conductor Size	Installation Tools, Die Set Catalog Number and (# of Crimps) 35 Series, 750 Series, 45 Series ①, 46 Series ②	B	L
YGHS2C	2 AWG	U1CRT1 (1)	0.75	1.73
YGHS25	1/0 AWG	U27RT (1)	0.83	1.89
YGHS26	2/0 AWG	U28RT (1)	0.83	1.89
YGHS27	3/0 AWG	U29RT (1)	1.18	2.59
YGHS28	4/0 AWG	U30RT (2)	1.18	2.59
YGHS29	250 kcmil	U31RT (2)	1.18	2.59
YGHS31*	350 kcmil	U34RT (2)	1.18	2.59
YGHS34	500 kcmil	U36RT (3)	1.48	3.19

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
 ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
 * IEEE837 2002 Qualified

HYLINK™ Type YGS Splice

Irreversible compression HYLINK™ ground splices specifically designed for grounding applications. Each conductor element has an inspection probe hole and a center stop to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ E compound and strip sealed.



Catalog Number	Copper Conductor Size	Installation Tools, Die Set Catalog Number and (# of Crimps)				B	L
		Mechanical			Hydraulic		
		Y1MRTC	MD734R	OUR840	35 Series, 750 Series, 45 Series ①, 46 Series ②		
YGS8C	8 Sol./Str.	Red (2)	W8CRT, W8CVT	X8CRT	U8CRT (2)	0.78	1.75
YGS6C	6 Sol./Str.	Blue (2)	W5CRT, W5CVT	X5CRT	U6CRT (2)	1.09	2.38
YGS2C	2 Sol./Str.	Brown (4)	W2CVT (2)	X2CVT (2)	U2CRT (2)	1.22	2.67
YGS25	1/0 Sol./Str.	—	W25VT (4)	X25RT (4)	U25RT (2)	1.35	2.97
YGS26	2/0 Str.	—	W26VT (4)	X26RT (4)	U26RT (2)	1.45	3.13
YGS28	4/0 Str.	—	W28VT (4)	X28RT (4)	U28RT (2)	1.57	3.37
YGS29	250 kcmil	—	W29VT (4)	—	U29RT (2)	1.57	3.37
YGS34	500 kcmil	—	W34VT (4)	—	U34RT (4)	2.20	4.63

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
 ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

Type YGF Grounding Plate

The irreversible compression ground plate is designed to withstand the rigors of concrete construction. The ground plates are made of high strength, high-conductivity cast copper alloy body with a pure wrought copper compression element. In addition to the tapped NEMA size holes and spacing on the face, the plate comes with a tapped hole on the underside for ease of positioning prior to pouring the concrete. UL467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*

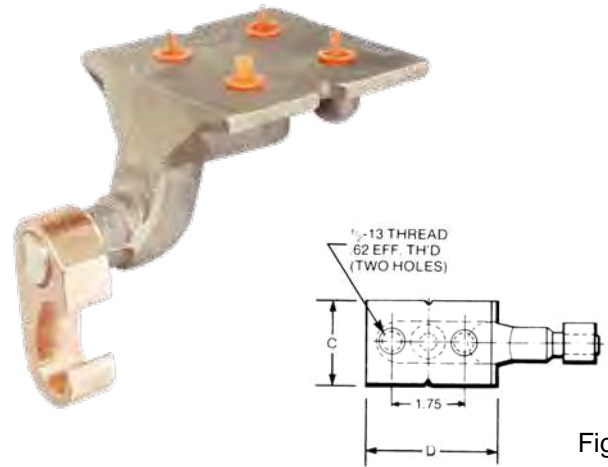


Fig. 1

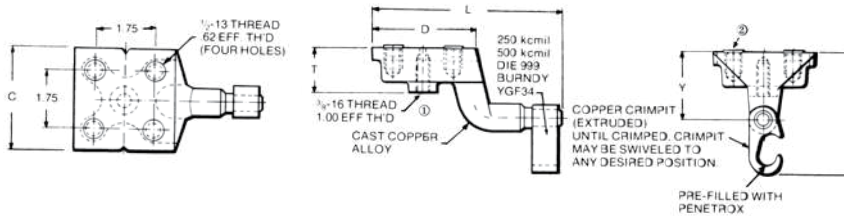


Fig. 2

NOTES:

- ① This tapped hole may be used to position the grounding plate on a threaded rod prior to placement of the concrete. 3/8-16 thread with 1.00 EFF. Thread is standard. If other thread is required, add appropriate suffix code to catalog number. -50 (1/2-13, .94 EFF. Thread), -62 (5/8-11, .94 EFF. Thread) and -75 (3/4-10, .81 EFF. Thread) Example: YGF34-4N-50 is YGF34-4N with 1/2-13 Thread
- ② Plastic plugs are provided to keep dirt out of the threaded holes until the attachment of grounding terminals

Catalog Number	Fig. #	C	D	H	L	T	Y	Copper Conductor Range	Tapped Holes		Installation Tools, Die Set Cat. No., and (# of Crimps)		
									Size	Hole Centers	35 Series, 750 Series	45 Series ①	46 Series ②
YGF29-2N	1	2.00	3.25	3.62	5.78	1.31	2.00	2 AWG-250 kcmil	1/2 - 13	1-3/4	U997 (1)	U997 (1)	U997 (1)
YGF29-4N	2	3.25	3.25	3.62	5.78	1.31	2.00	2 AWG-250 kcmil	1/2 - 13	1-3/4	U997 (1)	U997 (1)	U997 (1)
YGF34-2N ③	1	2.00	3.25	4.62	5.40	1.31	2.19	250 kcmil-500 kcmil	1/2 - 13	1-3/4	U1011 (3)	S1011 (2)	P1011 (2)
YGF34-4N ③	2	3.75	3.75	4.62	5.90	1.31	2.19	250 kcmil-500 kcmil	1/2 - 13	1-3/4	U1011 (3)	S1011 (2)	P1011 (2)

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
 ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
 ③ These connectors can only be installed using the 750, 45, or 46 series of tools.
 *Please contact Customer Service for applications requiring IEEE-837 2014.

GROUNDLINK™ Type YGIB for Structural steel angled or parallel beam

An irreversible compression ground connection which allows attachment to a structural steel standard (angled) or wide flange (parallel) beam. Installed with a required 5-piece die set, Catalog PIBEAMKIT or UIBEAMKIT. Die index 1105. GROUNDLINK™ connectors are made of high-conductivity wrought copper and come pre-filled with PENETROX™ E compound and strip sealed. Order terminal mounting hardware separately.

NOTES:

Terminal connector to be ordered separately. When I-beam connector is used with type YGHA terminal, the connection meets IEEE 837. YGA-2N, YA-2N and other BURNDY® 2-hole NEMA copper terminals are suitable.

Order TMHG Terminal Mounting Hardware Kit separately. Kit consists of 2 studs, 2 flat washers, 2 lockwashers and 2 hex nuts.

Using the 1/4 hex key wrench, screw the stud into the connector until stud bottoms out in connector. Install a YGHA terminal, flat washer, lockwasher and hex nut onto stud. Tighten and torque to 480 pound-inches.

Dimensions shown in i-Beam Flange Thickness column reflect the minimum dimensions required on a beam to properly install the i-Beam connector.

To correctly determine the appropriate YGIB connector to use based on flange thickness, order either YGIBGAUGE1 or YGIBKIT1 (KIT1 contains WIREMIKE).

*Please contact Customer Service for applications requiring IEEE-837 2014.



IEEE-837*

Connector shipped with thread protection studs only. Order TMHG kits separately.

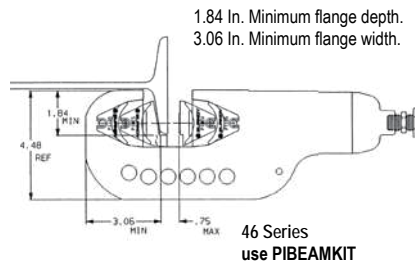


Fig. 1

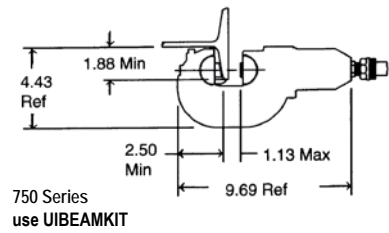
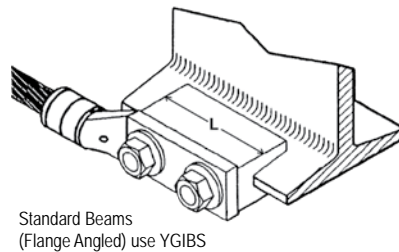
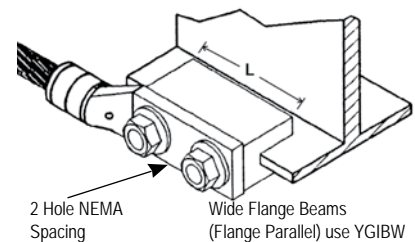


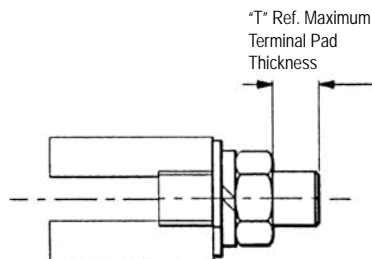
Fig. 2



TERMINAL MOUNTING HARDWARE

Catalog Number	"T"
TMHG42	0.42
TMHG92	0.92

NOTE: Use TMHG-92 to double stack lugs.



GROUNDLINK™ Type YGIB (Continued)

Catalog Number	Copper Conductor Size	Fig. #	L	J	I-Beam Flange Thickness	Suggested Terminals		T
						Copper Conductor	Terminal	
YGIBS28-338-2N	2 AWG-4/0 AWG	1	3.00	1/2-13	0.250" - 0.338"	#2 Str. AWG	YGHA2C-2N	0.26
YGIBW28-338-2N	2 AWG-4/0 AWG	2	3.00	1/2-13		1/0 Str. AWG	YGHA25-2N	0.19
YGIBS34-338-2N	250 kcmil-500 kcmil	1	6.00	1/2-13		2/0 Str. AWG	YGHA26-2N	0.26
YGIBW34-338-2N	250 kcmil-500 kcmil	2	6.00	1/2-13		4/0 Str. AWG	YGHA28-2N	0.30
						250 kcmil	YGHA29-2N	0.34 0.40
						500 kcmil	YGHA34-2N	0.34 0.40
YGIBS28-400-2N	2 AWG-4/0 AWG	1	3.00	1/2-13	0.338" - 0.400"	#2 Str. AWG	YGHA2C-2N	0.26
YGIBW28-400-2N	2 AWG-4/0 AWG	2	3.00	1/2-13		1/0 Str. AWG	YGHA25-2N	0.19
YGIBS34-400-2N	250 kcmil-500 kcmil	1	6.00	1/2-13		2/0 Str. AWG	YGHA26-2N	0.26
YGIBW34-400-2N	250 kcmil-500 kcmil	2	6.00	1/2-13		4/0 Str. AWG	YGHA28-2N	0.30
						250 kcmil	YGHA29-2N	0.34 0.40
						500 kcmil	YGHA34-2N	0.34 0.40
YGIBS28-462-2N	2 AWG-4/0 AWG	1	3.00	1/2-13	0.400" - 0.462"	#2 Str. AWG	YGHA2C-2N	0.26
YGIBW28-462-2N	2 AWG-4/0 AWG	2	3.00	1/2-13		1/0 Str. AWG	YGHA25-2N	0.19
YGIBS34-462-2N	250 kcmil-500 kcmil	1	6.00	1/2-13		2/0 Str. AWG	YGHA26-2N	0.26
YGIBW34-462-2N	250 kcmil-500 kcmil	2	6.00	1/2-13		4/0 Str. AWG	YGHA28-2N	0.30
						250 kcmil	YGHA29-2N	0.34 0.40
						500 kcmil	YGHA34-2N	0.34 0.40
YGIBS28-550-2N	2 AWG-4/0 AWG	1	3.00	1/2-13	0.462" - 0.550"	#2 Str. AWG	YGHA2C-2N	0.26
YGIBW28-550-2N	2 AWG-4/0 AWG	2	3.00	1/2-13		1/0 Str. AWG	YGHA25-2N	0.19
YGIBS34-550-2N	250 kcmil-500 kcmil	1	6.00	1/2-13		2/0 Str. AWG	YGHA26-2N	0.26
YGIBW34-550-2N	250 kcmil-500 kcmil	2	6.00	1/2-13		4/0 Str. AWG	YGHA28-2N	0.30
						250 kcmil	YGHA29-2N	0.34 0.40
						500 kcmil	YGHA34-2N	0.34 0.40
YGIBS28-613-2N	2 AWG-4/0 AWG	1	3.00	1/2-13	0.550" - 0.613"	#2 Str. AWG	YGHA2C-2N	0.26
YGIBW28-613-2N	2 AWG-4/0 AWG	2	3.00	1/2-13		1/0 Str. AWG	YGHA25-2N	0.19
YGIBW34-613-2N	250 kcmil-500 kcmil	2	6.00	1/2-13		2/0 Str. AWG	YGHA26-2N	0.26
						4/0 Str. AWG	YGHA28-2N	0.30
						500 kcmil	YGHA34-2N	0.34 0.40
YGIBS28-675-2N	2 AWG-4/0 AWG	1	3.00	1/2-13	0.613" - 0.675"	#2 Str. AWG	YGHA2C-2N	0.26
YGIBW28-675-2N	2 AWG-4/0 AWG	2	3.00	1/2-13		1/0 Str. AWG	YGHA25-2N	0.19
YGIBS34-675-2N	250 kcmil-500 kcmil	1	6.00	1/2-13		2/0 Str. AWG	YGHA26-2N	0.26
YGIBW34-675-2N	250 kcmil-500 kcmil	2	6.00	1/2-13		4/0 Str. AWG	YGHA28-2N	0.30
						250 kcmil 500 kcmil	YGHA29-2N	0.34 0.40
						500 kcmil	YGHA34-2N	0.34 0.40
YGIBW28-750-2N	2 AWG-4/0 AWG	3	3.00	1/2-13	0.690" - 0.750"	4/0 Str. AWG	YGHA28-2N	0.30
YGIBW28-1000-2N	2 AWG-4/0 AWG	3	3.00	1/2-13	1.000" - 1.060"	2/0 Str. AWG	YGHA2C-2N	0.26
						4/0 Str. AWG	YGHA28-2N	0.30

VERSITAIL™ Type GSTUD-HY Structural Steel Grounding Connector

INSTALLATION

1. Weld the VERSITAIL™ to the steel member
2. Select the proper connector for your specific application

FOR COMPRESSION CONNECTORS

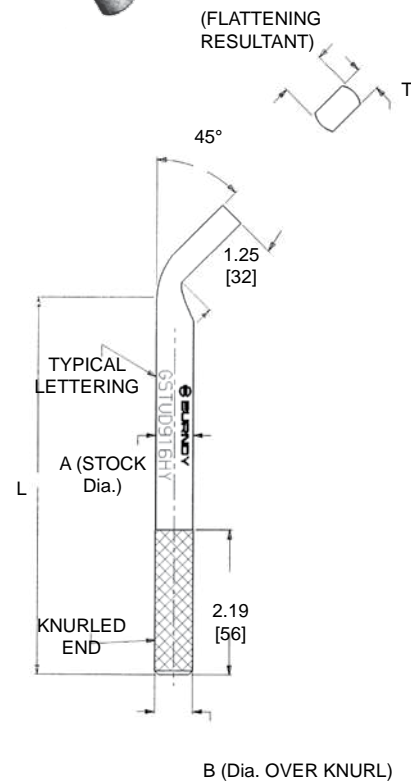
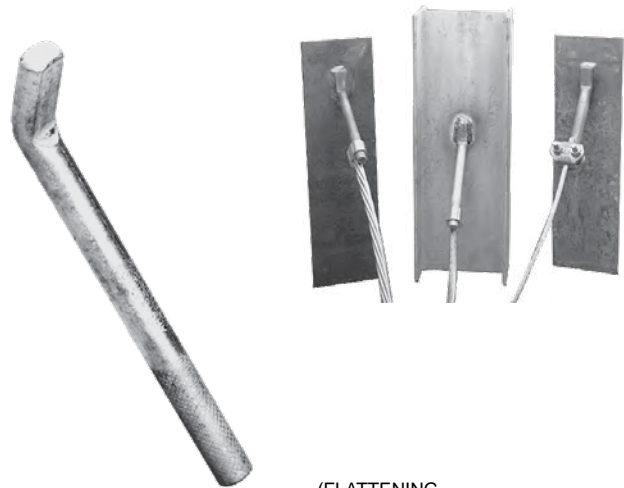
Select the proper HYGROUND® Type YGHP connector. Clean the conductor, join the VERSITAIL™ and the grounding conductor together with the recommended tool and die set, then crimp the connector over the knurled area of the VERSITAIL™ connector.

FOR MECHANICAL CONNECTORS

Select the properly sized BURNDY® mechanical connector. Clean the conductor, apply PENETROX™ E oxide inhibiting compound on the contact area for increased effectiveness and service life. Put the connector over the knurled area of the VERSITAIL™ connector and apply the recommended torque value for correct installation.

Features & Benefits

- The VERSITAIL™ may be welded to steel surfaces quickly and easily with normal construction equipment
- The VERSITAIL™ eliminates costly disk grinding and the need to expose virgin metal, the welding process burns through the oxidation and "scale" to establish excellent electrical grounding continuity
- The VERSITAIL™ may be installed by the welder in the field or at the steel fabricator based on customer preference
- The VERSITAIL™ pure copper coating over low carbon, hot rolled steel is compatible with standard welding processes, no toxic gasses are generated
- The VERSITAIL™ has a knurled surface, copper plated and specifically designed to ensure excellent mechanical gripping and electrical integrity for BURNDY® compression and mechanical connectors in all grounding applications
- The VERSITAIL™ may be installed in all weather conditions, eliminating costly construction delays
- Low installation cost
- No drilling
- No cleaning
- No special preparation
- Low carbon, hot rolled steel



Catalog Number	Nom Rod Size	A	B	L	T	Electrical Equivalent Copper Conductor Size (AWG)*
GSTUD14HY	1/4"	0.25	0.26	4.81	0.19	#6
GSTUD38HY	3/8"	0.38	0.39	5.81	0.25	#3
GSTUD916HY	9/16"	0.56	0.57	5.68	0.38	1/0
GSTUD34HY	3/4"	0.75	0.76	5.81	0.51	4/0

* This is the equivalent rating for continuous service.
Large conductors may be connected using both compression and bolted connectors in potential ground fault applications.

Types YGT, YTTAG Static Grounding Receptacles

The types YGT and YTTAG static grounding receptacles are designed for static grounding of equipment. The receptacle is connector to the ground grid with HYGROUND® compression connectors and finished flush with surface to provide a permanent, corrosion proof, grounding point.



Type YGT
Static Grounding Receptacle
with Cover

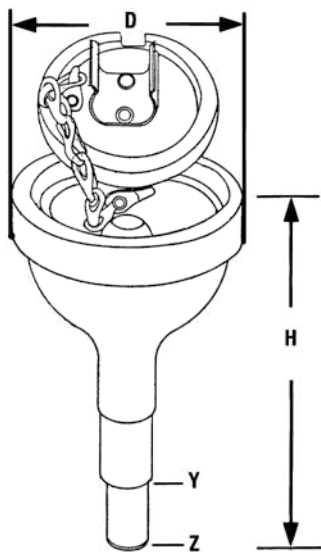


Fig. 1

Type YTTAG Combination
Static Grounding Receptacle
and Aircraft Tie Down Bar

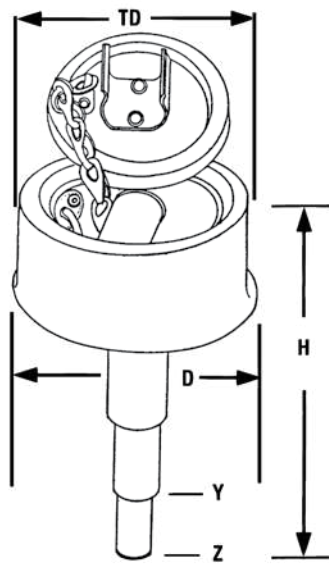


Fig. 2

Catalog Number	Fig. #	HYGROUND® Connector	H	D	Y Dia	Z Dia	TD
YGT275	1	Select suitable YGHR, YGHP or YGLR for 3/4" ground rod and sized to ground conductor.	5.50	2.75	0.75	0.56	-
YTTAG388	2		6.50	4.75	0.75	0.56	4.30

NOTES:

Install YGHR, YGHP or YGLR on Hub Y. Hub Z is inserted into 1/2" rigid conduit. The conduit is driven into the earth to provide support and provide correct level of receptacle prior to cement pour.

Type YG-B Connector for Structural Steel or Bus Bar

The BURNDY® YG-B series of compression connectors are ideally suited for bus bar, cell tower structures, structural steel, and steel infrastructure such as equipment supports, steel railings and ladders.

These high conductivity copper connectors allow attachment of a ground conductor to structural steel, rail or bus bar, with just one crimp using a BURNDY® 750-style HYPRESS™ head. The exclusive design allows the user to attach tap conductor(s) to 1/8" to 9/16" thick rail, bus bar, or flat steel.

Most connectors are suitable for 1 or 2 conductors for power or grounding and bonding applications. Prefilled with PENETROX™ compound with the addition of a grit material and strip sealed.

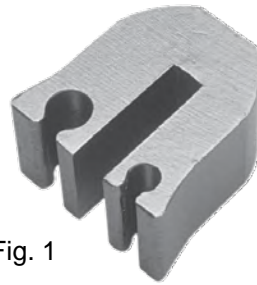


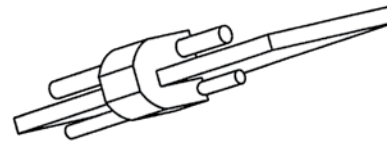
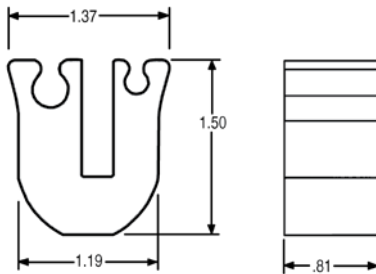
Fig. 1



Fig. 2



Fig. 3



Catalog Number	Figure #	Steel / Bar Thickness	Tap Conductor(s) Accommodated	Tooling	Installation Die	# of Crimps
YG14B2TC2C6C ①	1	1/4"	#2 Sol. and/or Str. Copper #6 Sol. and/or Str. Copper	750 Series	U1105	1
YG14B2TC2C2C ②	2	1/4"	#2 AWG - #2 AWG Copper	750 Series	U1105	1
YG14BTC28 ③	3	1/8" - 1/4"	4/0 AWG Str. to 1/0 AWG Str. Copper	750 Series	U1105	1
YG916BTC26 ④	3	1/2" - 9/16"	1/0 AWG Str. to 2/0 AWG Str. Copper	750K Series <u>only</u>	K1107	1

For Tin Plating add the -TP suffix

① UL Listed, CSA Certified, Rated for Direct Burial; can accept 1 or 2 conductors

② U-shaped tap groove can only be used with #2 Solid wire; can accept 1 or 2 conductors; suitable for continuous uncut conductor applications

③ cULus listed, Rated for Direct Burial; can accept only 1 conductor

④ cULus listed, Rated for Direct Burial; can accept only 1 conductor; PAT750K style tool only may be used for installation

Type BFB

Industry-exclusive Compression Solution for Flexible Bus Bar Applications.

The BFB terminal lugs are an innovative compression solution for connecting the ends of flexible bus bar. Offering a faster, safer, and cleaner alternative to methods used today, these lugs are compatible with most sizes of flexible bus bar. Installed with the 750 Series of 12-ton crimp tools with specifically designed UBFB-style dies.

Typically used in panel boards, switchboards, transformers and similar applications, flexible bus bar is gaining popularity. After the flexible bus bar has been shaped and customized for the application at hand, it must be connected to the structure. Typical installation methods rely on drilling (time consuming with a risk of inaccuracy of customized stud holes), punching (which can distort the shape of the conductor), and welding (can be hazardous and requires specific training). Utilizing the new BFB terminal lugs requires No Drilling, No Punching, and No Welding for proper, inspectable installation.

Features & Benefits



- Industry Exclusive! Only offered by BURNDY®
- Eliminates the need to drill through copper sheets, ensuring a cleaner, faster installation
- Full inspectability with the BURNDY® Engineered System
- 1-hole and 2-hole options available to accommodate spacing requirements
- Most flexible bus bar sizes accommodated
- Locator lines on terminals provide for accurate and consistent crimping
- UL Recognized to UL67 for Panelboard Equipment

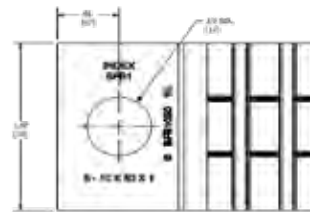


Figure 1

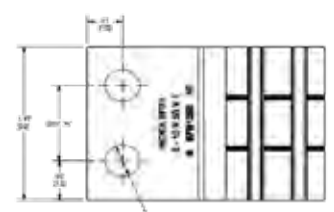
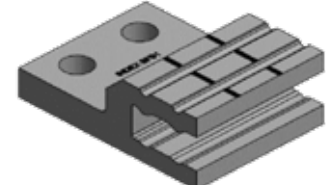
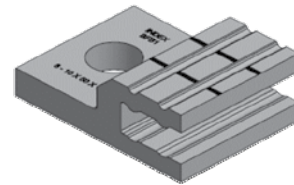


Figure 2



Catalog Number	Figure	Flex Bar Accommodation	# holes	Stud Size	A Dimension (in)	Die Catalog Number with 750 Series tooling only (# Crimps)
		# sheets x sheet width (mm) x thickness (mm)				
BFB620T12	1	4X20X1 - 6X20X1	1	1/2"	—	UBFB2024 (2)
BFB1020T12	1	8X20X1 - 10X20X1	1	1/2"	—	UBFB2024 (2)
BFB624T12	1	4X24X1 - 6X24X1	1	1/2"	—	UBFB2024 (2)
BFB1024T12	1	8X24X1 - 10X24X1	1	1/2"	—	UBFB2024 (2)
BFB632T12	1	4X32X1 - 6X32X1	1	1/2"	—	UBFB1 (2)
BFB1032T12	1	8X32X1 - 10X32X1	1	1/2"	—	UBFB1 (2)
BFB640T58	1	4X40X1 - 6X40X1	1	5/8"	—	UBFB1 (3)
BFB1040T58	1	8X40X1 - 10X40X1	1	5/8"	—	UBFB1 (3)
BFB650T58	1	4X50X1 - 6X50X1	1	5/8"	—	UBFB1 (3)
BFB1050T58	1	8X50X1 - 10X50X1	1	5/8"	—	UBFB1 (3)
BFB6402TH38E26	2	4X40X1 - 6X40X1	2	3/8"	0.97	UBFB1 (3)
BFB10402TH38E26	2	8X40X1 - 10X32X1	2	3/8"	0.97	UBFB1 (3)
BFB10402TH38E27	2	8X40X1 - 10X32X1	2	3/8"	0.89	UBFB1 (3)
BFB6502TH38E26	2	4X50X1 - 6X50X1	2	3/8"	0.97	UBFB1 (3)
BFB10502TH38E26	2	8X50X1 - 10X50X1	2	3/8"	0.97	UBFB1 (3)
BFB10502TH38E27	2	8X50X1 - 10X50X1	2	3/8"	0.89	UBFB1 (3)

Compression Grounding

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Table of Contents

Mechanical Grounding Connectors Overview.....	E-30	HandyBug™ Type SB Connectors (tap, splice or terminate).....	E-58
Types KC, K2C SERVIT POST™ Connectors (cable to flat).....	E-30	Type BWB680 Series Pool Water Bonding Kits.....	E-59
Type KCKF Bulkhead Ground Connector.....	E-31	BARTAP™ Type QGFL Copper Cable to Flat Bar or Pad.....	E-60
Types KC-J12, EQC632C1 Transformer Ground Connectors.....	E-32	Types GB, GBM Ground Connector Copper Cable to Bar.....	E-61
SERVIT® Type KS Split Bolt Connectors.....	E-32	Types GC, GCM Ground Connector Two Copper Cables to Bar.....	E-61
Type GRC High Strength Ground Rod Clamp for Copper Cable to Rod.....	E-33	Type GL Ground Connector Two Copper Cables to Bar.....	E-62
Type GCRT1/0 Ground Clamp Range Taking up to 1/0.....	E-33	Type GZ Ground Connector Copper Cable to Bar.....	E-62
Type GRL Light Duty Economical Ground Rod Clamp.....	E-33	Types J, RGC Mechanical Rail Connectors.....	E-63
Type GKA Connector for Copper.....	E-34	Type GIE-G Heavy Duty Construction Ground Connector for Vehicle Grounding.....	E-64
Type KPB Connector for Copper.....	E-34	Type BSD Static Discharge Reels.....	E-65
QIKLUG™ Types CL50-1, CL50-1TN Copper Lay-in Connectors.....	E-35	STUDBUG™ Type GCB63T13G1 for Static Grounding Applications.....	E-66
QIKLUG™ Type CL Copper Lay-in Connectors.....	E-35	Type GSC75 All-in-one Ball & Socket Design with NEMA Pad.....	E-67
The CONSTRICTOR® Type GCS-HEX Ground Connector to Steel.....	E-36	Type GSC63 Ground Ball Stud with 90° NEMA Pad.....	E-67
Type GAR for Parallel or 90° Copper Cable Connection to Rod or Pipe.....	E-37	Type GC-CT Cable Tray Ground Clamp.....	E-68
Types GAR-BU, GAR3902 Ground Connectors.....	E-39	Type BTCGC Clamp for Aluminum or Steel Cable Tray.....	E-68
Type GAR-TC Water Pipe Ground Connector.....	E-40	SUPER-CLAMP™ Type GXP1828RF Raised Floor/Rebar Ground Connector.....	E-69
Type GD Two Copper Cables to Rod or Tube.....	E-41	UNIGROUND™ Type GRF Raised Floor Grounding Connector.....	E-70
Type GP Two Copper Cables to Rod, Pipe, or Column.....	E-42	Types GP-G1, GP-RT Raised Floor Grounding Clamps.....	E-71
Type GK Three Copper Cables to Rod or Pipe.....	E-43	Flexible Copper Braid Jumper	
Type GG Ground Connector for Copper Bar, Strap, Braid, Cable to Rod or Tube.....	E-44	General Information.....	E-72
Type FFG Fence Fabric Ground Clamps.....	E-45	Current Carrying Capacity.....	E-72
Type GA-H Copper Cable to "H" Beam or Square Fence Post.....	E-46	Bulk Braid.....	E-72
Type GA-H30SS Copper Cable to Square Fence Post.....	E-46	Custom Designs and Custom Variations.....	E-73
Festoon Grounding System Kits.....	E-47	Type B 1-Hole Ferrule End.....	E-74
Type GQ Ground Connector for Copper Cable to Tube.....	E-49	Type B 2-Hole Ferrule End.....	E-75
Type GX Ground Connector for Copper Cables.....	E-49	Type BB-LT 1-Hole Connector End.....	E-77
Water Pipe Grounding: Miscellaneous Cast Bronze Clamps.....	E-50	Types CCY, B-B Covered Jumpers.....	E-78
Type GC-A Dual Rated Ground Clamp for Copper and Aluminum.....	E-55	Type BB-SS Stainless Steel Braid.....	E-79
BONDIT® Intersystem Bonding Connector Type BDT (House or Meter Socket Mounted).....	E-56	Type B Undrilled Ferrules.....	E-80
BONDIT® Intersystem Bonding Connector Type BDTIBB (Wall Mount).....	E-57	Type B-4N 4-Hole NEMA.....	E-81
		Cable Tray Bonding Straps.....	E-83
		Type BGRK Grounding Kits.....	E-84
		Type BBB Copper Bus Bar.....	E-88
		Bus or Ground Bars; Copper, Tinned Copper, and Stainless Steel.....	E-90
		Perimeter Bar.....	E-98
		GRIDMAX®.....	E-100

Mechanical Grounding Connectors Overview

More than 60 years of technological innovation has made BURNDY® mechanical grounding connectors one of the most widely used and highly respected lines in the industry. There is virtually no grounding application challenge that this diversified line cannot help solve.

All BURNDY mechanical grounding connectors have been designed for easy installation and outstanding durability. Only the finest high copper alloys are used in their manufacture, ensuring top performance under the most extreme environmental conditions.

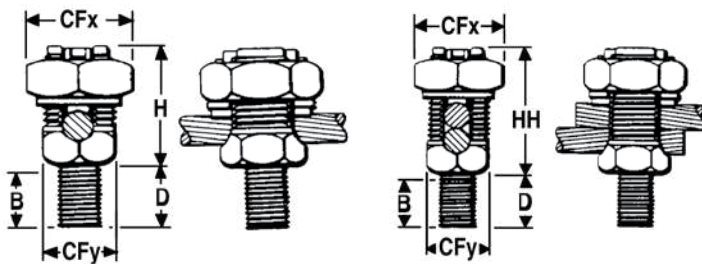
Types KC, K2C SERVIT POST™ Connectors for copper cable to flat

SERVIT POST™ connectors are used to ground one or two cables to steel structures, fence posts, and transformers amongst other things. Also these connectors can be used to tap one or two cables from bus bar. One-wrench installation.

- UL467 Listed for the US and Canadian markets.



KC



KC - 1 wire

K2C - 1 to 2 wires



TYPE KC One Wire	TYPE K2C One or Two Wires	Stranded	Solid	Stud Diameter	B	CFx	CFy	D	H	HH
KC15	K2C15	12 AWG-9 AWG	12 AWG-8 AWG	1/4-20	3/8	1/2	3/8	1/2	5/8	7/8
KC15B1	K2C15B1	12 AWG-9 AWG	12 AWG-8 AWG	1/4-20	7/8	1/2	3/8	1	5/8	7/8
KC17	K2C17	10 AWG-7 AWG	10 AWG-6 AWG	1/4-20	3/8	5/8	7/16	1/2	7/8	1
KC17B1	K2C17B1	10 AWG-7 AWG	10 AWG-6 AWG	1/4-20	7/8	5/8	7/16	1	7/8	1
KC20	K2C20	10 AWG-5 AWG	10 AWG-4 AWG	5/16-18	13/32	11/16	1/2	5/8	7/8	1-1/8
KC20B1	K2C20B1	10 AWG-5 AWG	10 AWG-4 AWG	5/16-18	27/32	11/16	1/2	1	7/8	1-1/8
KC22	K2C22	10 AWG-3 AWG	10 AWG-2 AWG	3/8-16	15/32	3/4	5/8	5/8	1	1-1/4
KC22B1	K2C22B1	10 AWG-3 AWG	10 AWG-2 AWG	3/8-16	31/32	3/4	5/8	1-1/8	1	1-1/4
KC23	K2C23	8 AWG-2 AWG	10 AWG-1 AWG	3/8-16	15/32	13/16	5/8	5/8	1	1-3/8
KC23B1	K2C23B1	8 AWG-2 AWG	10 AWG-1 AWG	3/8-16	31/32	13/16	5/8	1-1/8	1	1-3/8
KC25	K2C25	2 AWG-1/0 AWG	2 AWG-2/0 AWG	1/2-13	9/16	15/16	3/4	3/4	1-1/8	1-5/8
KC25B1	K2C25B1	2 AWG-1/0 AWG	2 AWG-2/0 AWG	1/2-13	1-1/16	15/16	3/4	1-1/4	1-1/8	1-5/8
KC26	K2C26	2 AWG-2/0 AWG	2 AWG-3/0 AWG	1/2-13	17/32	1	7/8	3/4	1-3/8	1-7/8
KC26B1	K2C26B1	2 AWG-2/0 AWG	2 AWG-3/0 AWG	1/2-13	1-1/16	1	7/8	1-1/4	1-3/8	1-7/8
KC28	K2C28	1 AWG-4/0 AWG	1 AWG-4/0 AWG	5/8-11	3/4	1-1/2	1-3/16	1	1-3/4	2-1/4
KC28B1	K2C28B1	1 AWG-4/0 AWG	1 AWG-4/0 AWG	5/8-11	1-1/4	1-1/2	1-3/16	1-1/2	1-3/4	2-1/4
—	K2C28G3	1 AWG-4/0 AWG	1 AWG-4/0 AWG	1/2-13	1-1/4	1-1/2	1-3/16	1-1/2	1-3/4	2-1/4
KC31	K2C31	1 AWG-350 kcmil	N/A	5/8-11	3/4	1-11/16	1-3/8	1	2-1/4	2-7/8
KC31B1	K2C31B1	1 AWG-350 kcmil	N/A	5/8-11	1-1/4	1-11/16	1-3/8	1-1/2	2-1/4	2-7/8
KC34	K2C34	3/0 AWG-500 kcmil	N/A	3/4-10	1	2	1-5/8	1-1/4	2-3/8	3-1/4
KC34B1	K2C34B1	3/0 AWG-500 kcmil	N/A	3/4-10	1-1/2	2	1-5/8	1-3/4	2-3/8	3-1/4

Note:

Use KF or K2F designation for female SERVIT POST™

Add suffix -NSP to catalog numbers to have connector supplied with split lockwasher and nut

Type KCKF Bulkhead Ground Connector

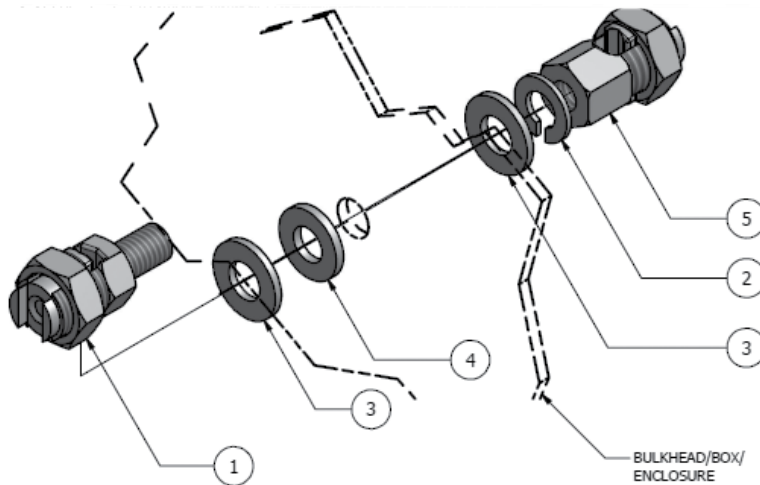
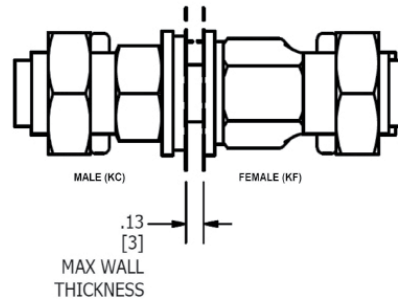
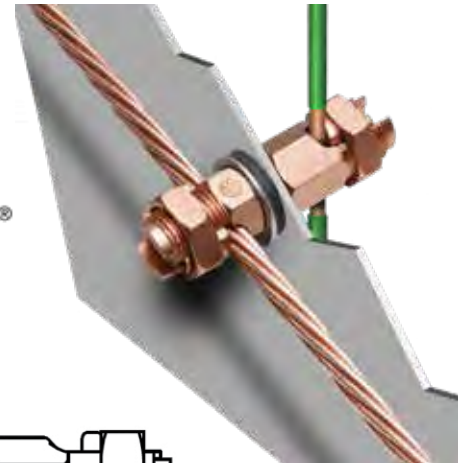
The "Bulkhead" connector is designed to allow a ground wire to be connected from the inside of a box or enclosure to the outside of a box or enclosure.

This new connector is supplied in kit form with a male SERVIT POST™, female SERVIT®, (2) stainless steel washers, split lock washer and sealing washer.

The available "Application Guideline" document helps describe the application with visuals and installation examples.

Features & Benefits

- Provides an easy way to connect ground wires "through" an enclosure wall
- Includes Male SERVIT POST™, Female SERVIT®, (2) Stainless Steel Washers, Split Lock Washer, Sealing Washer
- Split Lock Washer allows adjustment of conductor orientation
- Made of Silicon Bronze material (connectors) and Stainless Steel Hardware, Sealing Washer
- Meets NEMA 4X requirements when installed correctly
- Application Guideline document available
- Industry-proven split bolt/SERVIT POST™ technology
- UL467 Listed for the US and Canadian Markets



	Qty	Description
1	1	Male Servit Post
2	1	Stainless Steel Split Lock Washer*
3	2	Stainless Steel Flat Washer*
4	1	Sealing Washer*
5	1	Female SERVIT®

*One flat washer and sealing washer to be installed on outside of box or, where applicable, to side of wall exposed to atmospheric or contaminated conditions. Remaining hardware to be mounted to opposite side of the wall as shown.

Catalog Number	ACCOMMODATES			NUT TORQUE IN-LBS [N-M]	MAX. THRU HOLE
	AWG		METRIC		
	STRANDED	SOLID	STRANDED		
KCKF23	#8 (.146) - #2 (.292)	#10 (.102) - #1 (.289)	10mm ² (4.1) - 35mm ² (6.5)	275 [31.1]	7/16
KCKF25	#2 (.292) - 1/0 (.373)	#2 (.258) - 2/0 (.365)	35mm ² (6.5) - 50mm ² (9.3)	385 [43.5]	9/16
KCKF28	#1 (.332) - 4/0 (.528)	#1 (.289) - 4/0 (.460)	50mm ² (9.3) - 95mm ² (12.8)	500 [56.5]	1 1/16

Notes:

- Dimensions in () are cable diameters.
- Diameters of AWG wires are in inches.
- Diameters for metric wires are given in mm.

Mechanical Grounding

Transformer Ground Connectors Types KC-J12, EQC632C1
Type KS SERVIT® Split Bolt Connectors for Copper

Types KC-J12, EQC632C1

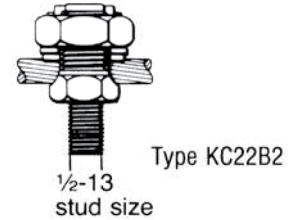
Transformer Ground Connectors for Copper

Equipment grounding connection point that installs within an equipment ground nut. Fits all standard EEI-NEMA distribution transformers as tank grounding terminal.



EQC632C1

Catalog Number	Ranges	Stud Size
KC22J12T13	8 Sol. - 2 Sol.	1/2"-13
KC26	2 Sol. - 2/0 Str.	1/2"-13
KC34J12T13	3/0 - 500 Str.	1/2"-13
EQC632C1	8 Sol. - 2 Str.	1/2"-13

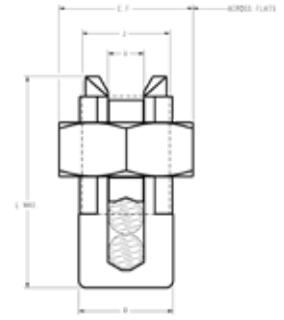


1/2-13
stud size

Type KS SERVIT® Split Bolt Connector for Copper

Compact, high strength, high copper alloy SERVIT® split bolt has free-running threads and easy to grip wrench flats. Highly resistant to season cracking and corrosion, the SERVIT® connectors provide maximum pressure and assure a secure connection on all combinations of run and tap conductors.

- Rated for Direct Burial in earth or concrete
- UL467 Listed



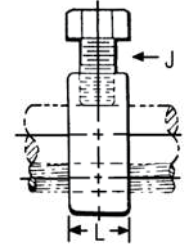
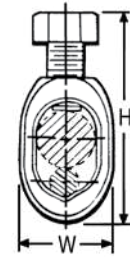
Catalog Number	Cross Flats	L	W	Copper Conductor Range	Rebar with (1) #8 Sol. Cu	Recommended Tightening Torque (in-lb)
KS15	0.50	0.85	0.38	10 - 8 Str.	—	80
KS17	0.63	1.14	0.45	8 Str. - 6 Sol.	—	165
KS20	0.69	1.20	0.51	8 Str. - 4 Sol.	—	165
KS22	0.75	1.50	0.60	6 Str. - 2 Sol.	—	275
KS23	0.82	1.54	0.62	6 Str. - 2 Str.	—	275
KS25	0.94	1.77	0.73	4 Str. - 1/0 Str.	—	385
KS26	1.05	1.94	0.82	2 Str. - 2/0 Str.	#3 (3/8")	385
KS27	1.36	1.86	1.17	1 Str. - 3/0 Str.	—	500
KS29	1.36	2.07	1.17	1 Str. - 250	#4 (1/2")	650
KS31	1.70	2.51	1.41	1/0 Str. - 350	#5 (5/8")	650
KS34	1.82	2.79	1.48	2/0 Str. - 500	#6 (3/4")	825

Type GRC

High Strength Ground Rod Clamp for Copper Cable to Rod

High copper alloy ground connector for joining a range of cable to copper clad, galvanized steel, and stainless steel ground rods. Slips over end of rod, one-wrench installation. UL467 Listed for direct burial in earth and concrete.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Catalog Number	Drive Rod	Conductor Range		H	W	L	J
		Min.	Max.				
GRC12	1/2	10 Sol.	2 Str.	2.00	0.89	0.63	3/8
GRC58	5/8	10 Sol.	1 Str.	2.19	0.95	0.63	3/8
GRC34	3/4	8 Sol.	1/0 Str.	2.47	1.09	0.65	3/8

Type GCRT1/0

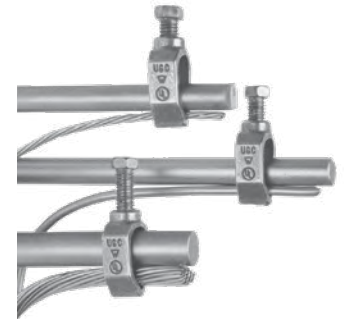
Ground Clamp Range Taking up to 1/0

The GCRT1/0 is a range taking ground rod clamp offering another choice from the BURNDY® family of connectors. The GCRT1/0 works on 1/2", 5/8" and 3/4" ground rods, #4-#5 rebar with a wire range of #10 through 1/0. High copper alloy, stainless steel bolt.



Features & Benefits

- Range taking design helps reduce inventory needs
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- High copper alloy, stainless steel bolt



Catalog Number	Drive Rod	Rebar	Conductor Range	H	W	L	J
GCRT1/0	1/2, 5/8, 3/4	#4 - #5	#10 - 1/0	2.75	1.04	0.56	7/16

Type GRL

Light Duty Economical Ground Rod Clamp

UL467 Listed; Acceptable for direct burial in earth or concrete.

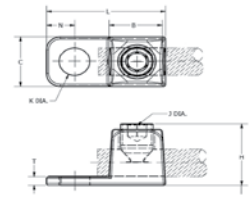


Catalog Number	Rod Size	Conductor Range	
		Minimum	Maximum
GRL3	3/8 in	10 AWG	4 AWG
GRL4	1/2 in	10 AWG	2 AWG
GRL5	5/8 in	10 AWG	2 AWG
GRL6	3/4 in	10 AWG	2 AWG

Type GKA Connector for Copper

Mechanical connector for grounding and bonding termination applications. One-piece body construction provides mechanical integrity in an underground environment. Supplied with stainless steel headless screw, the GKA25SB and GKA28SB have silicon bronze hardware.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Catalog Number	Cable Range	B	C	H	J Dia.	K	L
GKA8C*	10 AWG-8 AWG	0.31	0.38	0.58	#12-24 (Slot)	0.21	0.81
GKA4C*	14 AWG-4 AWG	0.46	0.54	0.71	5/16-24 (Slot)	0.28	1.13
GKA25	4 AWG-1/0 AWG	0.69	0.75	0.94	1/2-20 (Hex)	0.42	1.69
GKA28	1 AWG-4/0 AWG	0.81	0.94	1.25	5/8-18 (Hex)	0.42	1.94
GKA25SB	4 AWG-1/0 AWG	0.69	0.75	0.94	1/2-20 (Hex)	0.42	1.69
GKA28SB	1 AWG-4/0 AWG	0.81	0.94	1.25	5/8-18 (Hex)	0.42	1.94

* GKA8C, GKA4C are cULus Listed.

Type KPB Connector for Copper

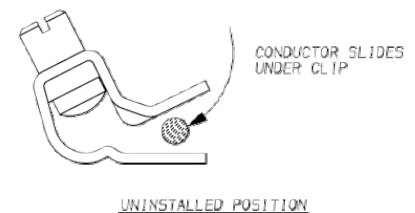
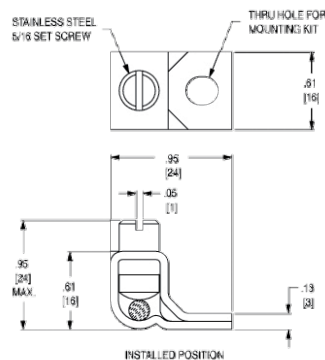
Mechanical connector for continuous run grounding and bonding applications. This exclusive BURNDY® design accommodates #10 - #4 copper where continuous conductor runs are preferable.

- Rated for Direct Burial in earth or concrete
- UL467 and UL486 Listed



Catalog Number	Copper Cable Range	Stud Hole
KPB4CG1 ^①	10 AWG-4 AWG	#10

① Can be assembled with optional TMH322SS stainless steel hardware kit, ordered separately.



Types CL50-1, CL50-1TN

Copper Lay-in QIKLUG™ for Copper

The Lay-In QIKLUG™ is manufactured from high strength pure electrolytic copper to ensure maximum strength and conductivity. The open-faced design allows for fast lay-in of the conductor without the need for cutting or breaking. Stainless steel screws used for excellent corrosion resistance.

- Rated for Direct Burial in earth or concrete
- UL467 and UL2703* Listed for the US and Canadian Markets



Catalog Number	Conductor Range	Stud Hole	Recommended Torque by Wire Size	
CL50-1	14 AWG-4 AWG	#10		
CL50-1TN*	14 AWG-4 AWG	#10	14-10 AWG	20 in-lb
CL50-1TN BULK*	14 AWG-4 AWG	#10	8 AWG	25 in-lb
CL501TNMHWSST†	14 AWG-4 AWG	#10	6-4 AWG	35 in-lb
CL501TNMHWSST‡	14 AWG-4 AWG	#10		

* CL501-TN & CL50-1TNBULK Listed to both UL2703 for Solar Applications and UL467 for direct burial.
† Stainless Steel Mounting Hardware: Hex Head Self Tapping Screw and Washer
‡ Stainless Steel Mounting Hardware: Slotted Hex Head Machine Screw, Washer, Nut

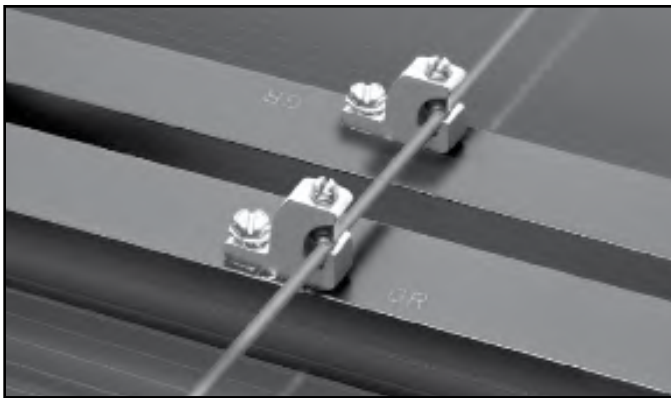
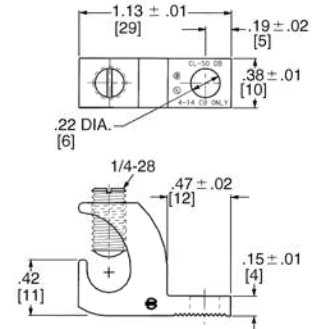


Photo above shows a typical solar panel installation using CL50-1TN connectors.



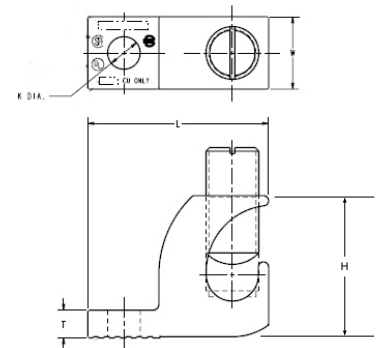
Type CL

Copper Lay-in QIKLUG™ for Copper

Manufactured for maximum strength and conductivity, these lay-in lugs allow for continuous runs of conductor and are well suited as terminations as well. Tin-plated, set screw style connectors, three sizes cover a range from #14 AWG to 250 kcmil.

CL3/0-516TN and CL250-516TN are UL 486A-B Wire Connectors and CSA Certified. CL1/0-14TN UL Listed for grounding and CSA Certified. 90° C rated. Suitable for copper conductors only.

Catalog Number	Wire Range Copper	H	W	L	T	K Dia.	Hex Size
CL1/0-14TN	#14 - 1/0 AWG	1.17	0.60	1.50	0.22	0.27	7/16-20 (Slotted)
CL3/0-516TN	#6 - 3/0 AWG	1.56	0.80	2.00	0.30	0.33	9/16-18 (0.25 Hex)
CL250-516TN	#6 AWG - 250 kcmil	1.79	0.80	2.20	0.30	0.33	9/16-18 (0.25 Hex)

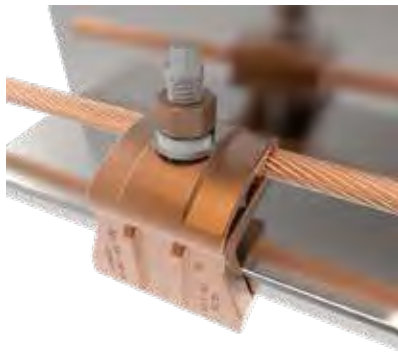


Type GCS-HEX; The CONSTRUCTOR® Ground Connector to Steel

The Type GCS-HEX series of connectors are used to ground cable to steel, I-beam, or other flanged surfaces, in applications where drilling is either not possible or unwanted. Installation of the GCS-HEX type connectors requires no power tools and is suitable for applications where a removable connection is desired. The CONSTRUCTOR® GCS-HEX series of grounding connectors are UL Listed for Grounding and Bonding and Direct Burial Rated for installation in earth and concrete.

Features & Benefits

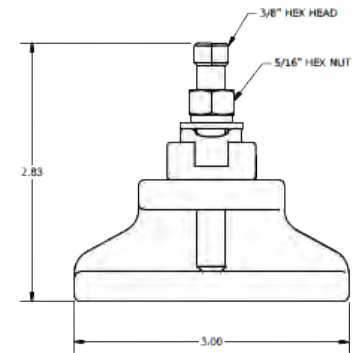
- ★ Easy and simple hex tooling installation
- ★ No hot work permit or drilling required
- Versatile: allows parallel or perpendicular conductor orientation
- Accepts beam thickness .125 - 1.000" (1/8 to 1")
- Conductor range from #6 AWG to 500 kcmil
- UL467 Listed
- Rated for Direct Burial in earth or concrete



Parallel Configuration



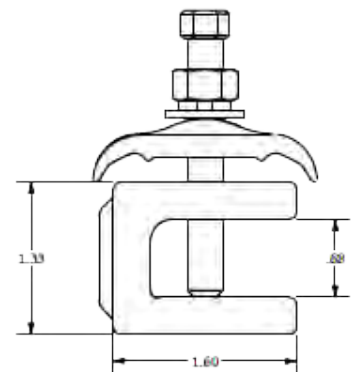
Perpendicular Configuration



Line Art dimensions shown are GCS26HEX connector

Catalog Number	Accommodates		Installation Torque		Installation Tooling	
	Copper Conductor Size	Beam Thickness	Scerw	Nut	Screw	Nut
GCS26HEX*	#6 - 2/0 AWG	1/8" to 5/8"	100 in-lb	180 in-lb	3/8"	1/2"
GCS29HEX	#2 - 250 kcmil	1/4" to 1"	180 in-lb	240 in-lb	3/8"	9/16"
GCS34HEX	250 - 500 kcmil	1/2" to 1"	180 in-lb	480 in-lb	3/8"	3/4"

* GCS26HEX only cULus



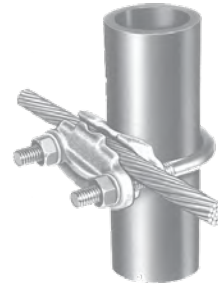
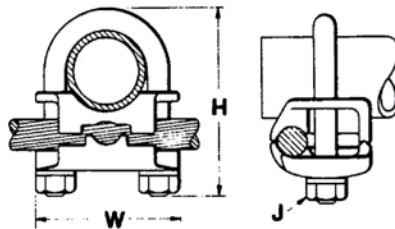
Type GAR

For Parallel or 90° Copper Cable Connection to Rod or Pipe with the same connector

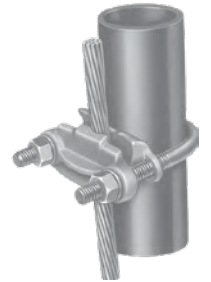
High copper alloy ground connector for joining a range of cable, parallel, or at right angles, to rod or tube. Especially good for fence posts. High copper alloy cast body with DURIMUM™ Silicon Bronze U-bolts, nuts, and lockwashers, permit entire connection to be buried in earth or concrete without danger of corrosion.

Features & Benefits

- Wire to Rebar
- Fence Post Grounding Connector
- Wire to Pipe
- One-wrench installation
- Rated for Direct Burial in earth or concrete
- UL467 Listed for US and Canadian Markets



Wire at Right Angle to Pipe



Wire Parallel to Pipe

Catalog Number	Conductor				H	J	W
	Tube I.P.S.*	Rod Size or O.D. Range	Rebar Size	Cable Range			
GAR114C	1/4	1/2	—	8 Sol. - 4 Str.	2-1/2	3/8	1-7/8
GAR1126	1/4	1/2	—	4 Sol. - 2/0 Str.	2-1/2	3/8	1-7/8
GAR1129	1/4	1/2	—	2/0 Sol. - 250	2-1/2	3/8	1-7/8
GAR644C	3/8	5/8 - 3/4	5 - 6	8 Sol. - 4 Str.	2-7/8	3/8	2-1/8
GAR6426	3/8	5/8 - 3/4	5 - 6	4 Sol. - 2/0 Str.	2-7/8	3/8	2-1/8
GAR6429	3/8	5/8 - 3/4	5 - 6	2/0 Sol. - 250	2-7/8	3/8	2-1/8
GAR6434	3/8	5/8 - 3/4	5 - 6	300-500	3-1/2	1/2	2-1/2
GAR144C	1/2-3/4	7/8 - 1	7 - 8	8 Sol. - 4 Str.	2-3/4	3/8	2-3/8
GAR1426	1/2-3/4	7/8 - 1	7 - 8	4 Sol. - 2/0 Str.	3	3/8	2-3/8
GAR1429	1/2-3/4	7/8 - 1	7 - 8	2/0 Sol. - 250	3	3/8	2-3/8
GAR1434	1/2-3/4	7/8 - 1	7 - 8	300-500	3-3/4	1/2	2-3/4
GAR154C	1	1-1/8 - 1-1/4	9 - 10	8 Sol. - 4 Str.	2-7/8	3/8	2-5/8
GAR1526	1	1-1/8 - 1-1/4	9 - 10	4 Sol. - 2/0 Str.	2-7/8	3/8	2-5/8
GAR1529	1	1-1/8 - 1-1/4	8 - 9	2/0 Sol. - 250	3-3/8	3/8	2-5/8
GAR1534	1	1-1/8 - 1-1/4	9 - 10	300-500	4-1/2	1/2	2-5/8
GAR164C	1-1/4	1-3/8 - 1-1/2	11	8 Sol. - 4 Str.	3-1/2	3/8	3
GAR1626	1-1/4	1-3/8 - 1-1/2	11	4 Sol. - 2/0 Str.	3-1/2	3/8	3
GAR1629	1-1/4	1-3/8 - 1-1/2	11	2/0 Sol. - 250	3-1/2	3/8	3
GAR1634	1-1/4	1-3/8 - 1-1/2	11	300-500	4-1/4	1/2	3-3/8

* This is the "Trade" Pipe Size reference.

Mechanical Grounding

Parallel or 90° Copper Cable Connection
to Rod or Pipe with Same Connector; Type GAR

Type GAR (Continued)



Catalog Number	Conductor				H	J	W
	Tube I.P.S.*	Rebar Size	Rod Size or O.D. Range	Cable Range			
GAR174C	1-1/2	—	1-5/8 - 1-7/8	8 Sol. - 4 Str.	4	3/8	3-1/4
GAR1726	1-1/2	—	1-5/8 - 1-7/8	4 Sol. - 2/0 Str.	4	3/8	3-1/4
GAR1729	1-1/2	—	1-5/8 - 1-7/8	2/0 Sol. - 250	4	3/8	3-1/4
GAR1734	1-1/2	—	1-5/8 - 1-7/8	300 - 500	4-5/8	1/2	2-5/8
GAR184C	2	—	2 - 2-3/8	8 Sol. - 4 Str.	4-1/4	3/8	3-3/4
GAR1826	2	—	2 - 2-3/8	4 Sol. - 2/0 Str.	4-1/4	3/8	3-3/4
GAR1829	2	—	2 - 2-3/8	2/0 Sol. - 250	4-1/2	3/8	3-3/4
GAR1834	2	—	2 - 2-3/8	300 - 500	5-1/4	1/2	4-1/8
GAR194C	2-1/2	—	2-1/2 - 2-7/8	8 Sol. - 4 Str.	5	3/8	4-1/4
GAR1926	2-1/2	—	2-1/2 - 2-7/8	4 Sol. - 2/0 Str.	5	3/8	4-1/4
GAR1929	2-1/2	—	2-1/2 - 2-7/8	2/0 Sol. - 250	5	3/8	4-1/4
GAR1934	2-1/2	—	2-1/2 - 2-7/8	300 - 500	5-5/8	1/2	4-5/8
GAR204C	3	—	3 - 3-1/2	8 Sol. - 4 Str.	5-5/8	3/8	4-3/4
GAR2026	3	—	3 - 3-1/2	4 Sol. - 2/0 Str.	5-5/8	3/8	4-3/4
GAR2029	3	—	3 - 3-1/2	2/0 Sol. - 250	5-5/8	3/8	4-3/4
GAR2034	3	—	3 - 3-1/2	300 - 500	6-3/8	1/2	5-1/4
GAR214C	3-1/2	—	3-1/2 - 4	8 Sol. - 4 Str.	6-1/4	3/8	5-3/8
GAR2126	3-1/2	—	3-1/2 - 4	4 Sol. - 2/0 Str.	6-1/4	3/8	5-3/8
GAR2129	3-1/2	—	3-1/2 - 4	2/0 Sol. - 250	6-1/4	3/8	5-3/8
GAR2134	3-1/2	—	3-1/2 - 4	300 - 500	6-3/4	1/2	5-3/4
GAR224C	4	—	4 - 4-1/2	8 Sol. - 4 Str.	6-3/8	3/8	5-7/8
GAR2226	4	—	4 - 4-1/2	4 Sol. - 2/0 Str.	6-3/8	3/8	5-7/8
GAR2229	4	—	4 - 4-1/2	2/0 Sol. - 250	6-3/8	3/8	5-7/8
GAR2234	4	—	4 - 4-1/2	300 - 500	6-7/8	1/2	6-1/4
GAR244C	5	—	—	8 Sol. - 4 Str.	7-3/4	3/8	6-7/8
GAR2426	5	—	—	4 Sol. - 2/0 Str.	7-3/4	3/8	6-7/8
GAR2429	5	—	—	2/0 Sol. - 250	7-3/4	3/8	7-1/4
GAR2434	5	—	—	300 - 500	8-5/8	1/2	7-1/4
GAR8629	6	—	—	2/0 Sol. - 250	8-13/16	1/2	8-3/8
GAR8634	6	—	—	300 - 500	8-13/16	1/2	8-3/8

* This is the "Trade" Pipe Size reference.

NOTE:

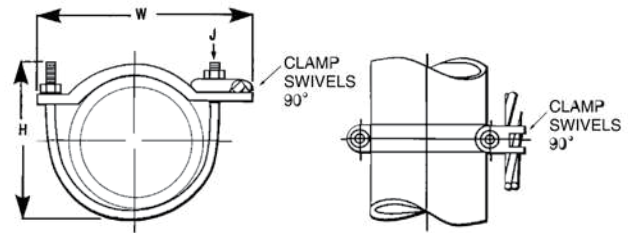
Contact BURNDY® for additional pipe and wire size combinations not shown.

Types GAR-BU, GAR3902
Ground Connectors

Type GAR-BU is a high-conductivity copper ground connector for connecting a small to medium range copper ground conductor to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for industrial construction and maintenance work as well as cathodic protection. Cable clamp swivels to permit parallel grounding of one pipe or 90° degree cable run for grounding several parallel pipes. Single wrench installation. UL467 Listed and CSA Certified.

Features & Benefits

- Cable clamp swivels at 90°; permits parallel grounding of one pipe on a 90° cable run for grounding several parallel pipes
- One-wrench installation for simplified installation
- DURIMUM™ silicon bronze hardware (-BU Series)* provides long lasting corrosion resistance and acceptable for direct burial in earth of concrete
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets; provides quality assurance to recognized industry NEC standards from an independent party



Catalog Number	Cable Range	IPS Size **	O.D. Range	H	J	W	Recommended Tightening Torque
GAR3902-BU ①	#4- 4/0 AWG	1/2-1	0.84 - 1.32	3.50	3/8" - 16	3.25	240 in. - lbs.
GAR3903-BU ①	#4- 4/0 AWG	1 1/4-2	1.66 - 2.38	4.00	3/8" - 16	4.25	240 in. - lbs.
GAR3904-BU ①	#4- 4/0 AWG	2 1/2-3 1/2	2.88 - 4.00	6.50	3/8" - 16	6.00	240 in. - lbs.
GAR3905-BU ①	#4- 4/0 AWG	4-5	4.50 - 5.56	7.50	3/8" - 16	7.50	240 in. - lbs.
GAR3906-BU ①	#4- 4/0 AWG	6	6.62	8.50	3/8" - 16	8.62	240 in. - lbs.
GAR3907-BU ①	#4- 4/0 AWG	8	8.62	10.00	3/8" - 16	10.62	240 in. - lbs.
GAR3908-BU ①	#4- 4/0 AWG	10	10.75	12.00	3/8" - 16	12.75	240 in. - lbs.
GAR3909-BU ①	#4- 4/0 AWG	12	12.75	14.00	3/8" - 16	14.75	240 in. - lbs.
GAR3902 ②	#4- 4/0 AWG	1/2-1	0.84 - 1.32	3.50	3/8" - 16	3.25	240 in. - lbs.
GAR3903 ②	#4- 4/0 AWG	1 1/4-2	1.66 - 2.38	4.00	3/8" - 16	4.25	240 in. - lbs.
GAR3904 ②	#4- 4/0 AWG	2 1/2-3 1/2	2.88 - 4.00	6.50	3/8" - 16	6.00	240 in. - lbs.
GAR3905 ②	#4- 4/0 AWG	4-5	4.50 - 5.56	7.50	3/8" - 16	7.50	240 in. - lbs.
GAR3906 ②	#4- 4/0 AWG	6	6.62	8.50	3/8" - 16	8.62	240 in. - lbs.
GAR3907 ②	#4- 4/0 AWG	8	8.62	10.00	3/8" - 16	10.62	240 in. - lbs.
GAR3908 ②	#4- 4/0 AWG	10	10.75	12.00	3/8" - 16	12.75	240 in. - lbs.
GAR3909 ②	#4- 4/0 AWG	12	12.75	14.00	3/8" - 16	14.75	240 in. - lbs.

① Type GAR-BU is supplied with DURIMUM™ silicon bronze hardware and is Listed for direct burial
② Standard Type GAR-3900 series supplied with galvanized U-bolt and hardware

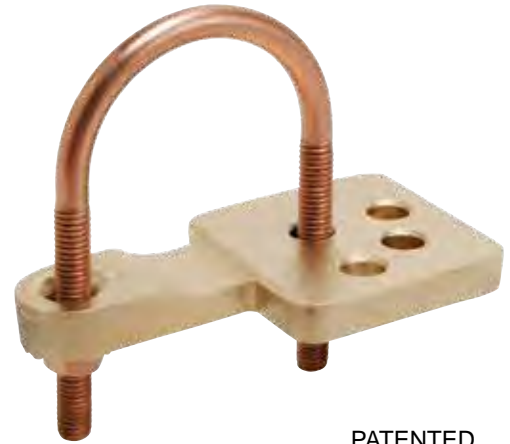
** Refer to Section O for tube dimensions.

Type GAR-TC Water Pipe Ground Connector

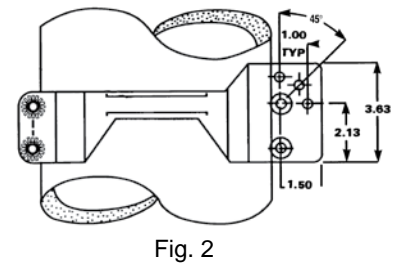
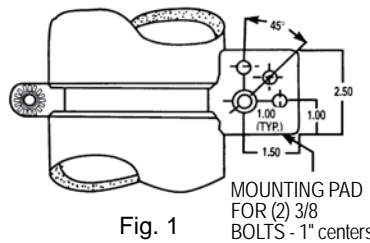
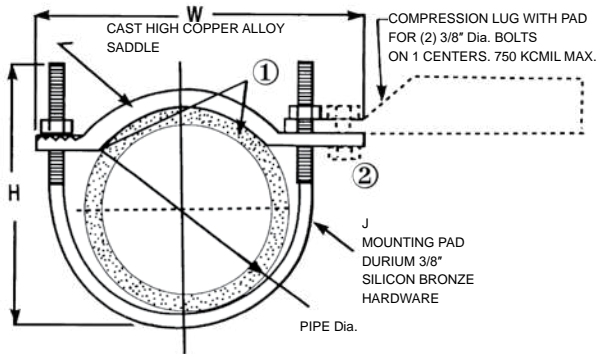
Type GAR-TC is a high-conductivity copper ground connector that features a pre-drilled pad, allowing a 2-hole compression terminal to be directly connected to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for industrial construction and maintenance work as well as telecommunications grounding. Terminal may be mounted parallel, 45° or 90° degrees to the pipe. Acceptable for direct burial.

Features & Benefits

- Large, smooth connector contact area between pipe and ground clamp to maximize contact area between connector and pipe
- Type GAR-TC mounting pad permits parallel, 45°, or 90° angle connections to pipe for maximum flexibility for field installation
- Pre-drilled pad for (2) 3/8" bolts on 1" centers to allow for direct mounting of 2-hole compression terminals up to 750 kcmil to pipe
- DURIMUM™ silicon bronze hardware for long lasting corrosion resistance; acceptable for direct burial in earth or concrete
- One-wrench installation
- UL467 Listed for the US and Canadian Markets; provides quality assurance to recognized industry NEC standards from an independent party; Type GAR-TC is acceptable for Direct Burial in earth or concrete



PATENTED



Catalog Number	Figure #	Accommodates		H	J	W	Recommended Torque
		I.P.S. **	O.D. Size				
GAR3902TC	1	1/2-1	0.84 - 1.32	3.50	3/8	3.75	240
GAR3903TC	1	1 1/4-2	1.66 - 2.38	4.00	3/8	4.75	240
GAR3904TC	1	2 1/2-3 1/2	2.88 - 4.00	6.50	3/8	6.50	240
GAR3905TC	1	4-5	4.50 - 5.56	7.50	3/8	8.00	240
GAR3906TC	1	6	6.62	8.50	3/8	9.12	240
GAR3907TC	2	8	8.62	10.00	3/8	11.25	240
GAR3908TC	2	10	10.75	12.00	3/8	13.25	240
GAR3909TC	2	12	12.75	14.00	3/8	15.25	240

NOTES:

** Refer to Section O for tube dimensions.

① Add suffix "-TNET" for electro-tin plated connector and electro-tin plated

DURIMUM™ silicon bronze hardware. Tin plated catalog number includes mounting hardware for second bolt hole.

② **OPTIONAL MOUNTING HARDWARE**

TMH-289 includes (1) 38X125HEB bolt, (1) 38CHEN nut, (1) 38SW split washer and (2) 38FW flat washers, ordered separately.

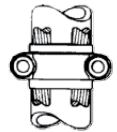
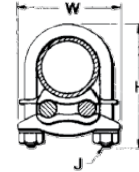
Clean pipe surface beneath saddle until virgin metal is exposed, install GAR-TC ground connector and for maximum conductivity, apply PENETROX™ E oxide inhibiting compound around perimeter of saddle.

Type GD Two Copper Cables to Rod or Tube

High copper alloy ground connector for joining a range of two parallel cables to rod or pipe. Especially good for grounding fence posts. High copper alloy cast body with DURIMUM™ silicon bronze U-bolts, nuts, and lockwashers make the Type GD ground connectors are UL 467 Listed, suitable for direct burial in earth or concrete. One-wrench installation.

Features & Benefits

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



Catalog Number	Conductor			H	J	W
	Tube I.P.S. **	Rod Size or O.D. Range	Cable			
GD1526	1	1-1/8 - 1-1/4	4 Sol. - 2/0 Str.	3-3/8	3/8	2-5/8
GD1529	1	1-1/8 - 1-1/4	2/0 Sol. - 250	3-3/8	3/8	2-5/8
GD1626	1-1/4	1-3/8 - 1-1/2	4 Sol. - 2/0 Str.	3-1/2	3/8	3
GD1629	1-1/4	1-3/8 - 1-1/2	2/0 Sol. - 250	3-1/2	3/8	3-1/4
GD174C	1-1/2	1-5/8 - 1-7/8	8 Sol. - 4 Str.	4	3/8	3-1/4
GD1726	1-1/2	1-5/8 - 1-7/8	4 Sol. - 2/0 Str.	4	3/8	3-1/4
GD1729	1-1/2	1-5/8 - 1-7/8	2/0 Sol. - 250	4	3/8	3-1/4
GD1734	1-1/2	1-5/8 - 1-7/8	300 - 500	4-5/8	1/2	3-5/8
GD184C	2	2 - 2-3/8	8 Sol. - 4 Str.	4-3/8	3/8	3-3/4
GD1826	2	2 - 2-3/8	4 Sol. - 2/0 Str.	4-3/8	3/8	3-3/4
GD1829	2	2 - 2-3/8	2/0 Sol. - 250	4-3/8	3/8	3-3/4
GD1834	2	2 - 2-3/8	300 - 500	5-3/8	1/2	4-1/8
GD194C	2-1/2	2-1/2 - 2-7/8	8 Sol. - 4 Str.	5	3/8	4-1/4
GD1926	2-1/2	2-1/2 - 2-7/8	4 Sol. - 2/0 Str.	5	3/8	4-1/4
GD1929	2-1/2	2-1/2 - 2-7/8	2/0 Sol. - 250	5	3/8	4-1/4
GD1934	2-1/2	2-1/2 - 2-7/8	300 - 500	5	1/2	4-5/8
GD204C	3	3 - 3-1/2	8 Sol. - 4 Str.	5-5/8	3/8	4-7/8
GD2026	3	3 - 3-1/2	4 Sol. - 2/0 Str.	5-5/8	3/8	4-7/8
GD2029	3	3 - 3-1/2	2/0 Sol. - 250	5-5/8	3/8	4-7/8
GD2034	3	3 - 3-1/2	300 - 500	6-3/8	1/2	5-1/4
GD214C	3-1/2	3-1/2 - 4	8 Sol. - 4 Str.	6-1/4	3/8	5-3/8
GD2126	3-1/2	3-1/2 - 4	4 Sol. - 2/0 Str.	6-1/4	3/8	5-3/8
GD2129	3-1/2	3-1/2 - 4	2/0 Sol. - 250	6-1/4	3/8	5-3/8
GD2134	3-1/2	3-1/2 - 4	300 - 500	6-7/8	1/2	5-3/4
GD224C	4	4 - 4-1/2	8 Sol. - 4 Str.	6-3/8	3/8	5-7/8
GD2226	4	4 - 4-1/2	4 Sol. - 2/0 Str.	6-3/8	3/8	5-7/8
GD2229	4	4 - 4-1/2	2/0 Sol. - 250	6-3/8	3/8	5-7/8
GD2234	4	4 - 4-1/2	300 - 500	6-7/8	1/2	6-1/4

NOTE:

** Refer to Section O for tube dimensions.
Complies with NFPA 78-86 HEAVY DUTY stacks; use suffix "-LD"
for lead plating for HEAVY DUTY stack applications

Type GP

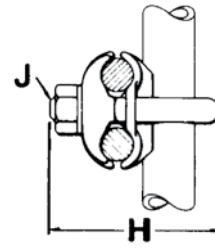
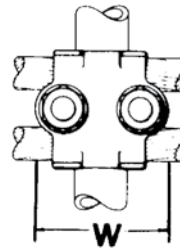
Two Copper Cables to Rod, Pipe or Column

High copper alloy ground connector for joining a range of two parallel cables perpendicular to rod, pipe or column. Also used with one groove for run, the other for tap to equipment. High copper alloy cast body and DURUM™ silicon bronze U-bolts, nuts, and lockwashers make Type GP connectors UL467 Listed and suitable for direct burial in the ground or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



Features & Benefits

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



Catalog Number	Conductor			H	J	W
	Tube I.P.S. **	O.D. Size	Cable			
GP114C	1/4	1/2	8 Sol. - 4 Str.	2-1/2	3/8	1-7/8
GP1126	1/4	1/2	4 Sol. - 2/0 Str.	2-1/2	3/8	1-7/8
GP1129	1/4	1/2	2/0 Sol. - 250	2-1/2	3/8	1-7/8
GP644C	3/8	5/8 - 3/4	8 Sol. - 4 Str.	2-1/2	3/8	2-1/8
GP6426	3/8	5/8 - 3/4	4 Sol. - 2/0 Str.	2-1/2	3/8	2-1/8
GP6429	3/8	5/8 - 3/4	2/0 Sol. - 250	2-7/8	3/8	2-1/8
GP6434	3/8	5/8 - 3/4	300 - 500	3-1/2	1/2	2-5/9
GP144C	1/2-3/4	7/8 - 1	8 Sol. - 4 Str.	2-3/4	3/8	2-3/8
GP1426	1/2-3/4	7/8 - 1	4 Sol. - 2/0 Str.	3	3/8	2-3/8
GP1429	1/2-3/4	7/8 - 1	3/0 Sol. - 250	3	3/8	2-3/8
GP1434	1/2-3/4	7/8 - 1	300 - 500	3-3/4	1/2	2-5/8
GP154C	1	1-1/8 - 1-1/4	8 Sol. - 4 Str.	2-3/4	3/8	2-5/8
GP1526	1	1-1/8 - 1-1/4	4 Sol. - 2/0 Str.	3-1/4	3/8	2-5/8
GP164C	1-1/4	1-5/8	8 Sol. - 4 Str.	3-1/2	3/8	3
GP1629	1-1/4	1-5/8	2/0 Sol. - 250	3-1/2	3/8	3
GP1726	1-1/2	1-7/8	4 Sol. - 2/0 Str.	4	3/8	3-1/4
GP184C	2	2-3/8	8 Sol. - 4 Str.	4-1/8	3/8	3-11/16
GP1826	2	2-3/8	4 Sol. - 2/0 Str.	4-3/8	3/8	3-11/16
GP2026	3	3-1/2	4 Sol. - 2/0 Str.	5-1/2	3/8	4-13/16
GP2226	4	4-1/2	4 Sol. - 2/0 Str.	6-3/8	3/8	5-13/16

NOTE:

** Refer to Section O for tube dimensions.

Type GK For Three Copper Cables to Rod or Pipe

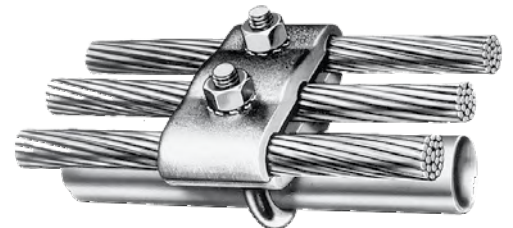
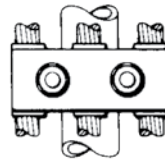
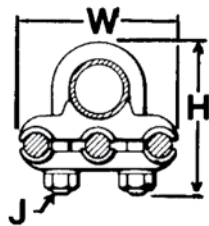
High copper alloy ground connector for joining three equal cables to rod or tube. Cable grooves take a wide range of cable. High copper alloy cast body and DURIMUM™ silicon bronze U-bolts, nuts, and lockwashers make the GK suitable for direct burial in soil or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



Features & Benefits



- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



Catalog Number	Conductor			H	J	W
	Tube I.P.S. **	O.D. Size	Cable			
GK114C	1/4	1/2	8 Sol. - 4 Str.	2-1/2	3/8	2-1/2
GK1126	1/4	1/2	4 Sol. - 2/0 Str.	2-1/2	3/8	2-3/4
GK1129	1/4	1/2	2/0 Sol. - 250	2-1/2	1/2	3-3/8
GK644C	3/8	5/8 - 3/4	8 Sol. - 4 Str.	2-7/8	3/8	2-5/8
GK6426	3/8	5/8 - 3/4	4 Sol. - 2/0 Str.	2-7/8	3/8	3
GK6429	3/8	5/8 - 3/4	2/0 Sol. - 250	2-7/8	1/2	3-1/2
GK6434	3/8	5/8 - 3/4	300 - 500	3-1/2	1/2	4
GK1426	1/2 - 3/4	7/8 - 1	4 Sol. - 2/0 Str.	2-3/4	3/8	3-1/4
GK1429	1/2 - 3/4	7/8 - 1	2/0 Sol. - 250	3-3/4	1/2	3-7/8
GK1434	1/2 - 3/4	7/8 - 1	300 - 500	3-3/4	1/2	4-3/8
GK1526	1	1-1/8 - 1-1/4	4 Sol. - 2/0 Str.	3-3/8	3/8	3-1/2
GK1529	1	1-1/8 - 1-1/4	2/0 Sol. - 250	3-3/4	1/2	4-1/8
GK1626	1-1/4	1-3/8 - 1-1/2	4 Sol. - 2/0 Str.	3-1/2	3/8	3-7/8
GK1629	1-1/4	1-3/8 - 1-1/2	2/0 Sol. - 250	4-1/4	1/2	4-1/2
GK1726	1-1/2	1-5/8 - 1-7/8	4 Sol. - 2/0 Str.	4	3/8	4-1/8
GK1729	1-1/2	1-5/8 - 1-7/8	2/0 Sol. - 250	4-5/8	1/2	4-3/4
GK1826	2	2 - 2-3/8	4 Sol. - 2/0 Str.	4-1/4	3/8	4-5/8
GK1829	2	2 - 2-3/8	2/0 Sol. - 250	4-3/8	1/2	5-1/8
GK1926	2-1/2	2-1/2 - 2-7/8	4 Sol. - 2/0 Str.	5	3/8	5-1/8
GK1929	2-1/2	2-1/2 - 2-7/8	2/0 Sol. - 250	5	1/2	5-5/8

NOTE:

** Refer pages to Section-O for tube dimensions.

Mechanical Grounding

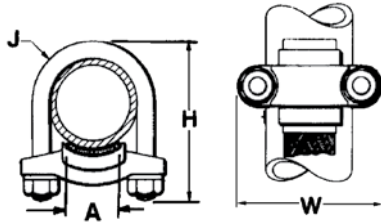
Type GG Ground Connector
for Copper Bar / Strap / Braid / Cable to Rod or Tube

Type GG

For Copper Bar, Strap, Braid, or Cable to Rod or Tube

High copper alloy ground connector for joining bar, strap, braid or cable to rod or tube. High copper alloy cast body, DURUM™ silicon bronze U-bolts, nuts and lockwashers make the GG particularly effective for use with braid for ground rods, switch handles, fence posts and gates.

- Rated for Direct Burial in earth or concrete
- UL467 Listed
- One wrench installation



See our Braid offering beginning on page E-72

Catalog Number	Conductor		A	H	J	W	
	Tube I.P.S. **	Rod					
GG15-1	1	1-1/8 - 1-1/4	1	3-3/8	3/8	2-5/8	
GG16-1	1-1/4	1-3/8 - 1-1/2		3			
GG17-1	1-1/2	1-5/8 - 1-7/8		3-1/2		3-1/4	
GG17-15			1-1/2	3-3/4			
GG18-1	2	2 - 2-3/8	1	4-1/4		1/2	4-1/8
GG18-15			1-1/2	4-3/8	4-5/8		
GG18-2			2	5	5-1/5		
GG19-2	2-1/2	2-1/2 - 2-7/8	2-1/2	6-3/8	5-1/4		
GG19-25			2	5-7/8	5-3/4		
GG20-2	3	3 - 3-1/2	2	6-1/2	6-1/4		
GG20-25			2-1/2				
GG20-3			3				
GG21-2	3-1/2	3-1/2 - 4	2			7-5/8	7-1/4
GG21-25			2-1/2				
GG21-3			3				
GG21-35			3-1/2				
GG22-2	4	4 - 4-1/2	2	6-1/2	6-1/4		
GG22-25			2-1/2				
GG22-3			3				
GG22-4			4				
GG24-2	5	—	2			7-5/8	7-1/4

NOTE:

** Refer to Section O for tube dimensions.

Type FFG Fence Fabric Ground Clamps

Fence grounding systems are designed to provide protection against dangerous "touch" potentials. The Fence Fabric Ground Clamp is an integral component of this personnel safety system.

With its unique design the clamp can form a connection at virtually any angle. Specific uses include connection to both fence fabric and barbed wire. The conductor maintains a path to ground while connected to an object that is parallel, perpendicular or any degree in between.

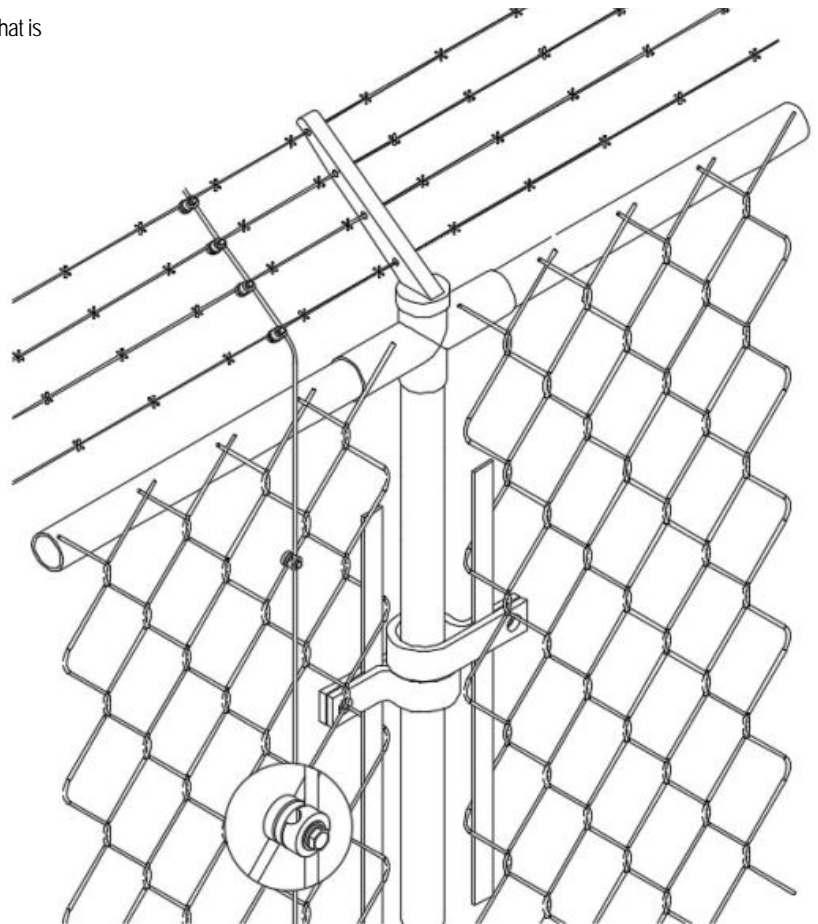
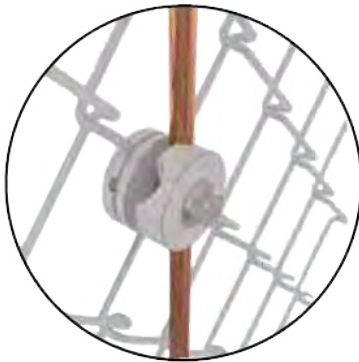
Tin plated copper clamp includes stainless steel hardware and allows for use on most metallic surfaces including galvanized steel. Other sizes available; please contact factory for information.



Catalog Number	Conductor Size	Recommended Torque (in-lb)
FFGC8	#8	67
FFGC6	#6	67
FFGC4	#4	67
FFGC2	#2	67
FFGC2/0	2/0	67

Features & Benefits

- Clamp can form connections at virtually any angle
- Tin plated copper clamp includes stainless steel hardware
- For use with most metallic surfaces including galvanized steel
- Conductor maintains path to ground while connected to object that is parallel, perpendicular, or any degree in between
- UL467 Listed for the US and Canadian Markets



Mechanical Grounding

Copper Cable to "H" Beam or Square Fence Post Type GA-H , Type GA-H30SS Ground Connectors

Type GA-H

For Copper Cable to "H" Beam or Square Fence Post

High copper alloy ground connector for joining a wide range of cable parallel to "H" beams or square tube. Hardware is made from DURUM™ silicon bronze for superior corrosion protection.

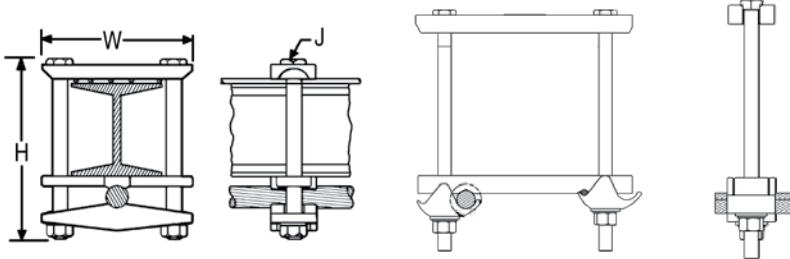


Figure 1

Figure 2



Catalog Number	Figure	Accommodates		H	J	W	Recommended Torque in-lb
		"H" Beam	Copper Conductor				
GA25H26	1	1-7/8" - 2-1/2" X 2-1/2"	4 Sol. - 2/0 Str.	4-3/4	3/8	4	240
GA25H29	1	1-7/8" - 2-1/2" X 2-1/2"	2/0 Sol. - 250 kcmil	4-3/4	3/8	4	240

NOTE: Contact factory for tin plated options

Catalog Number	Figure	Accommodates			H	J	W	Recommended Torque in-lb
		Square Fence Post	Copper Conductor					
			Small Clamp	Large Clamp				
GA400H294CTN	2	4"	6 Sol. (.162) - 4 Str. (.232)	1/0 Sol. (.324) - 4/0 Str. (.528)	6.75 (171)	3/8	6.06 (154)	150



Type GA-H30SS

For Copper Cable to Square Fence Post

High copper alloy ground clamp for joining copper cable (#4 AWG - 300 kcmil) to square fence posts. Stainless steel hardware for superior corrosion resistance.

Features & Benefits

- Robust design for 6" and 8" square fence posts
- Tapered bolt design enhances connection to post
- Stainless steel hardware
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates		H	Hardware size	W	Recommended Torque in-lb
	Square Fence Post	Copper Conductor				
GA600H30SS	6"	#4 AWG - 300 kcmil	9.38	1/2"	8.38	480 in-lb
GA800H30SS	8"	#4 AWG - 300 kcmil	11.38	1/2"	10.38	480 in-lb

Festoon Grounding Systems Kits

Includes C-Rail, Coupler Hangers, Tow and Intermediate Trolleys, End Stop, Mounting Clamps

Festoon Grounding Systems include the tracks, hardware, axles, and wheels needed to create a quality, "active" grounding system designed to stand the tests of time. Festoon systems elevate the conductor providing protection from pinch points as well as a theft deterrent.

BURNDY festoon systems are offered in a variety of lengths. Kits include the C-Rail, Coupler Hangers, Tow and Intermediate Trolleys, End Stop, and Mounting Clamps. Grounding cable and connectors are not included.

Features & Benefits

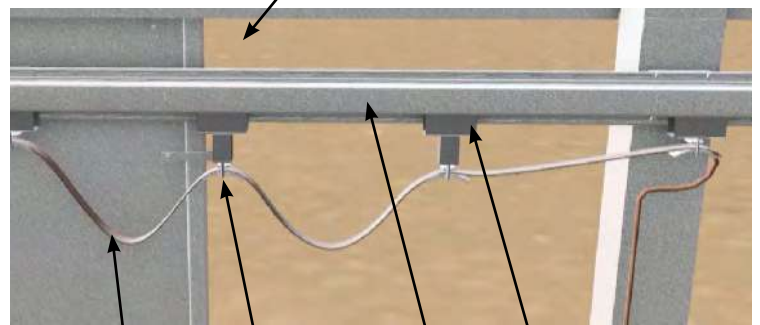
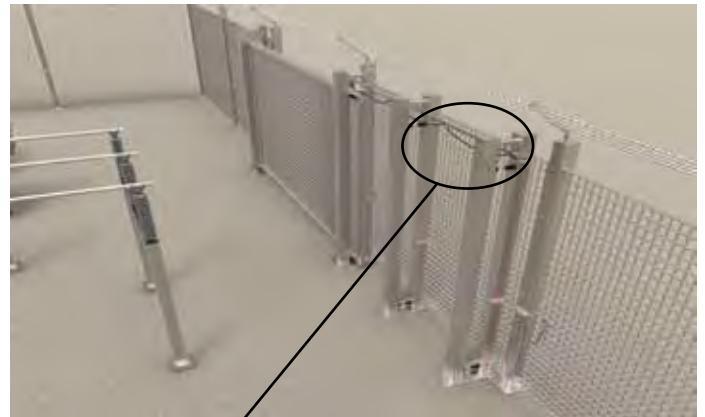
- Galvanized steel C-Rail for durability
- Sealed ball bearings in zinc-plated steel wheels are pre-lubricated for life offering consistent smooth operation
- Tow trolley protects conductor from pinch points
- Cable saddle helps keep conductor in line with track (ensure the cable size in use is accommodated by saddle)
- Festoon system keeps conductor elevated and out of easy reach from potential thieves

Specifications:

Wheels	Zinc-plated steel; smooth running ball bearing
Axles	Zinc-plated steel
C-Rail Track	Roll-formed galvanized steel
Hardware	Zinc-plated steel
Active Travel	Up to 25 ft (7.62m)*
Trolley Loads	Up to 45 lbs/trolley (20.25kg)**
Speed	Up to 250 fpm (75mpm)

*Additional kits are available for longer travel, contact customer service.

**Designed for cable loads only.



Cable (not included) Cable Saddle C-Rail Track Trolley



C-Rail Coupler



Tow Trolley Close-Up

Note: Wheels on trolleys fit inside C-Rail

Festoon Grounding System (Continued)

Catalog Number	Length				Trolley Count
	Active	Storage	System	Cable (not included)	
BCR02302	10'-10"	1'-4"	12'-8"	17'	2
BCR03302	14'-6"	1'-7"	16'-7"	22'	3
BCR04302	18'-2"	1'-11"	20'-6"	27'	4
BCR05302	21'-9"	2'-2"	24'-4"	33'	5
BCR06302	25'-5"	2'-5"	28'-3"	38'	6

Terminology:

Active Length	maximum distance the first trolley moves from fully stored position to fully extended
System Length	equal to total rail length
Storage Length	minimum distance required to store trolleys when fully retracted (gate open)
Coupler	joins and aligns two sections of C-Rail together
End Stop	prevents trolley from over travelling in C-Rail track



Cable Saddle Close-Up

Note: When choosing your kit, ensure the cable size is accommodated by the saddle



Intermediate Trolley Close-Up



Wheel Close-Up

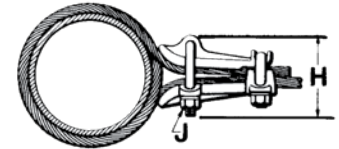
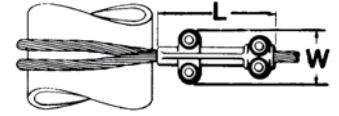
Note: Sealed ball bearings are pre-lubricated for life for smooth operation and longevity

Type GQ

Ground Connector for Copper Cable to Tube

High copper alloy ground connector for cross connecting a wide range of cable. High copper alloy, cast body, DURIUM™ U-bolts, nuts, and lockwashers make the GQ suitable for burial in earth or concrete.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One wrench installation



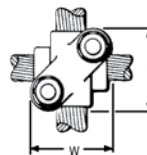
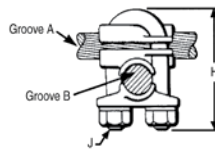
Catalog Number	Conductor		H	J	L	W
	I.P.S.	Cable				
GQ2626	6" Max.	4 Str. - 2/0 Str.	4-1/2	1/2	5	2-1/2
GQ26-1	Above 6"	4 Str. - 2/0 Str.	7-1/8	1/2	5	2-1/2
GQ2929	6" Max.	2/0 Str. - 250	4-1/8	1/2	6	2-3/4
GQ29-1	Above 6"	2/0 Str. - 250	7-1/2	1/2	6	2-3/4

Type GX

Ground Connector for Copper Cables

High copper alloy ground connector for cross connecting a wide range of cable. The high copper alloy cast body, DURIUM™ U-bolts, nuts, and lockwashers make the GX suitable for burial in earth or concrete.

- Rated for Direct Burial in earth or concrete
- UL467 Listed
- One wrench installation



Catalog Number	Conductor		H	J	L	W
	Groove A	Groove B				
GX4C4C	8 Sol. - 4 Str.	8 Sol. - 4 Str.	1-7/8	3/8	1-5/8	1-5/8
GX264C	4 Sol. - 2/0 Str.	8 Sol. - 4 Str.	2-1/2	3/8	1-3/4	1-2/3
GX2626	4 Sol. - 2/0 Str.	4 Sol. - 2/0 Str.	2-1/2	3/8	1-3/4	1-2/3
GX294C	2/0 Sol. - 250	8 Sol. - 4 Str.	2-3/4	3/8	1-7/8	1-7/8
GX2926	2/0 Sol. - 250	4 Sol. - 2/0 Str.	2-1/2	3/8	1-7/8	1-7/8
GX2929	2/0 Sol. - 250	2/0 Sol. - 250	2-3/4	3/8	1-7/8	1-7/8
GX344C	300 - 500	8 Sol. - 4 Str.	2-3/4	3/8	2-1/8	1-7/8
GX3426	300 - 500	4 Sol. - 2/0 Str.	2-3/4	3/8	2-1/8	1-7/8
GX3429	300 - 500	2/0 Sol. - 250	2-3/4	3/8	2-1/8	1-7/8
GX3434	300 - 500	300 - 500	4-1/4	1/2	2-5/8	2-5/8

Type C-JPT Cast Bronze Clamps for Conduit

Pressure bar type conduit hub adjusts for 1/2", 3/4" EMT, or 1/2" rigid conduit. Hub swings 360° for easy alignment. Supplied with Zinc plated hardware.



- UL467 Listed for the US and Canadian Markets

Catalog Number	Accommodates Conductor Range			Reference Dimensions			Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	Pipe Clamp	Wire Clamp
C-11JPT	1/2 - 1 [13 - 25]	10 - 6 Sol.	1/2 [13]	2.07 in [53]	3.19 [81]	2.70 in [69]	50 in.-lb.	50 in.-lb.
C-22JPT	1-1/4 - 2 [32 - 51]	10 - 6 Sol.	1/2 [13]	2.70 in [69]	3.83 [97]	2.70 in [69]	50 in.-lb.	50 in.-lb.
C-4JPT	2-1/2 - 4 [64 - 102]	10 - 6 Sol.	1/2 [13]	4.39 in [112]	5.15 [131]	2.70 in [69]	50 in.-lb.	50 in.-lb.

Type C-; Cast Bronze Clamps for Ground Conductor to Water Pipe or Copper Tube

For connecting grounding conductor to water pipe or copper tube. "D" indicates UL467 Listed for direct burial in earth and concrete and are supplied with silicon bronze hardware. "B" indicates brass hardware.



- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets

Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Rebar	Ground	H	L	W	C	Pipe Clamp	Wire Clamp
C-11N	1/2 - 1 [13 - 25]	—	10 - 2 Str.	1.81 in [46]	2.25 [56]	0.63 in [16]	0.63 in [16]	50 in.-lb.	50 in.-lb.
C-11D†	1/2 - 1 [13 - 25]	#4 - #8	10 - 2 Str.	1.81 in [46]	2.25 [56]	0.63 in [16]	0.63 in [16]	50 in.-lb.	50 in.-lb.
C-11B	1/2 - 1 [13 - 25]	—	10 - 2 Str.	1.81 in [46]	2.25 [56]	0.63 in [16]	0.63 in [16]	50 in.-lb.	50 in.-lb.
C-22*	1-1/4 - 2 [32 - 51]	—	10 - 2 Str.	2.38 in [60]	3.63 [92]	0.75 in [0.19]	1.00 in [25]	50 in.-lb.	50 in.-lb.
C-22D†	1-1/4 - 2 [32 - 51]	—	10 - 2 Str.	2.38 in [60]	3.63 [92]	0.75 in [0.19]	1.00 in [25]	50 in.-lb.	50 in.-lb.
C-4*	2-1/2 - 4 [46 - 114]	—	10 - 2 Str.	4.13 in [105]	6.25 [159]	0.96 in [24]	1.88 in [48]	50 in.-lb.	50 in.-lb.
C-4D†	2-1/2 - 4 [46 - 114]	—	10 - 2 Str.	4.13 in [105]	6.25 [159]	0.96 in [24]	1.88 in [48]	50 in.-lb.	50 in.-lb.
C-8*	4-1/2 - 6 [114 - 165]	—	10 - 2 Str.	4.29 in [109]	8.34 [212]	1.25 in [32]	1.88 in [48]	50 in.-lb.	50 in.-lb.

* Supplied with zinc-plated steel hardware.

† Add -TN for Tin Plated connector.

Type C5; Light Duty Cast Bronze Clamps for 1/2" - 1" Water Pipe



Similar to C-11 clamp but for lighter duty applications.

- UL467 Listed for the US and Canadian Markets

Catalog Number	Accommodates Conductor Range		Reference Dimensions			Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	H	L	W	Pipe Clamp	Wire Clamp
C-5	1/2" - 1" [13 -25]	10 - 2 Str.	1.56 in [40]	2.25 [56]	0.56 in [14]	50 in.-lb.	50 in.-lb.

Type C-K-D Cast Bronze Clamps with Lay-In Feature

For connecting grounding conductor to water pipe, copper tube, ground rod or rebar. The open face design allows for fast lay-in of the tap conductor without the need for cutting. Simply reverse bottom clamp for smaller size rebar or rod. Connectors are provided with Silicon Bronze hardware.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Fig.1



Fig.2



Catalog Number	Fig. #	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
		Water Pipe	Main		Tap	H	L	W	
			Rebar	Ground Rod	Ground				
C11K16D	1	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#10 - #2 Str.	1.64	2.28	0.66	50 in.-lbs.
C11K17D	2	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#10 - #2 Str.	1.64	2.28	0.66	50 in.-lbs.

Type CZ Die Cast Clamps



Die cast zinc with zinc-plated screws.

- UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates Conductor Range		Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	H	L	W	C	Pipe Clamp	Wire Clamp
CZ-11	1/2" - 1" [13-25]	10 - 2 Str.	1.56" [40]	2.25" [56]	0.56" [14]	0.50" [13]	50 in.-lb.	50 in.-lb.

Type C-JA

Cast Bronze Clamps for Armored Cable to Water Pipe

To connect armored cable to water pipe. Zinc plated screws. Pressure bar grips armor or outer cable insulation. 360° swing hub for easy alignment.

- UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates Conductor Range		Reference Dimensions			Recommended Torque	
	Water Pipe	Armored Conductor	H	L	W	Pipe Clamp	Wire Clamp
C-11JA	1/2 - 1 [13-25]	10 - 6 Sol.	1.38" [35]	3.05" [77]	1.41" [36]	50 in.-lb.	50 in.-lb.
C-22JA	1-1/4 - 2 [32-51]	10 - 6 Sol.	2.60" [66]	3.69" [94]	1.41" [36]	50 in.-lb.	50 in.-lb.
C-4JA	2-1/2 - 4 [64-102]	10 - 6 Sol.	4.29" [109]	5.01" [128]	1.41" [36]	50 in.-lb.	50 in.-lb.

Type C-HD-DB

Cast Bronze Clamps for Grounding Conductor, EMT, or Rigid Conduit to Water Pipe/Copper Tube/Ground Rod/Rebar

For connecting grounding conductor, EMT or rigid conduit to water pipe, copper tube, ground rod or rebar. Hub swings 360° for easy alignment. Simply reverse bottom clamp for smaller size rebar or rod. Connectors are provided with Silicon Bronze hardware.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets

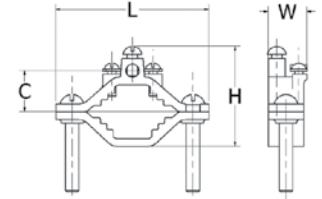


Catalog Number	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
	Main			Tap	H	L	W	
	Water Pipe	Rebar	Ground Rod	Ground				
C11HD4/0DB	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#8 - 4/0 AWG	2.25	2.65	1.56	50 in.-lbs.
C22HD4/0DB	1-1/4" - 2" [32-51]	—	—	#8 - 4/0 AWG	2.70	3.60	1.56	50 in.-lbs.

Type C- Cast Bronze Clamps

For connecting armored cable to water pipe. Zinc plated screws. "D" indicates UL467 for direct burial in earth and concrete, supplied with silicon bronze hardware.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Ground Clamp	H	L	W	C	Pipe Clamp	Wire Clamp
C-6	1/2 - 1 [13-25]	10 - 2 Str.	Bare Armored Unarmored Wire Cables or Cords	1.60" [41]	2.34" [59]	1.06" [27]	0.63" [16]	50 in.-lb.	50 in.-lb.
C-6D	1/2 - 1 [13-25]	10 - 2 Str.		1.60" [41]	2.34" [59]	1.06" [27]	0.63" [16]	50 in.-lb.	50 in.-lb.
C-7	1-1/4 - 2 [32-51]	10 - 2 Str.		2.38" [60]	3.62" [92]	0.94" [24]	1.00" [25]	50 in.-lb.	50 in.-lb.

Type C- Cast Bronze Clamps for Rigid Conduit

For grounding rigid conduit systems; supplied with zinc plated screws.

- UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	C	Pipe Clamp	Wire Clamp
C-61	1/2 - 1 [13-25]	#6 Sol. Max.	1/2 [13]	2.07" [53]	2.34" [59]	1.34" [34]	1.06" [27]	50 in.-lb.	50 in.-lb.
C-66	1-1/4 - 2 [32-51]	#6 Sol. Max.	1/2 [13]	2.69" [68]	3.62" [92]	1.34" [34]	1.40" [36]	50 in.-lb.	50 in.-lb.

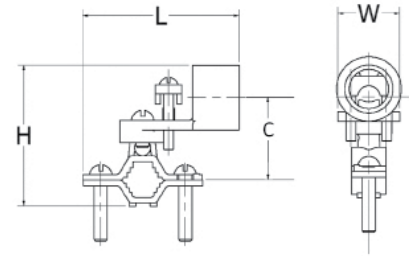
Type C-LH Cast Bronze Clamps for Conduit

For grounding rigid conduit systems. Continuity from rigid conduit systems to ground provided by cast bronze threaded conduit hub. Zinc plated screws.

- UL467 Listed for the US and Candian Markets



-2, -3 Versions*



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	C	Pipe Clamp	Wire Clamp
C-11LH-1	1/2 - 1 [13-25]	10 Str. - 6 Sol.	1/2 [13]	2.25" [57]	3.23" [83]	0.69" [18]	0.97" [25]	50 in.-lb.	50 in.-lb.
C-22LH-1	1-1/4 - 2 [32-51]	10 Str. - 6 Sol.	1/2 [13]	2.88" [73]	3.50" [89]	0.69" [18]	1.34" [34]	50 in.-lb.	50 in.-lb.
C-4LH-1	2-1/2 - 4 [54-102]	10 Str. - 6 Sol.	1/2 [13]	4.56" [116]	4.82" [122]	0.69" [18]	2.44" [62]	50 in.-lb.	50 in.-lb.
C-11LH-2	1/2 - 1 [13-25]	2/0 - 10 Str.	3/4 [19]	2.56" [65]	2.86" [73]	1.00" [25]	1.13" [29]	50 in.-lb.	50 in.-lb.
C-22LH-2	1-1/4 - 2 [32-51]	2/0 - 10 Str.	3/4 [19]	3.19" [65]	3.50" [89]	1.00" [25]	1.50" [38]	50 in.-lb.	50 in.-lb.
C-4LH-2	2-1/2 - 4 [64-102]	2/0 - 10 Str.	3/4 [19]	4.88" [124]	4.82" [122]	1.00" [25]	2.38" [60]	50 in.-lb.	50 in.-lb.
C-11LH-3	1/2 - 1 [13-25]	3/0 - 10 Str.	1 [25]	2.69" [68]	2.86" [73]	1.13" [29]	1.19" [30]	50 in.-lb.	50 in.-lb.
C-22LH-3	1-1/4 - 2 [32-51]	3/0 - 10 Str.	1 [25]	3.32" [59]	3.50" [89]	1.13" [29]	1.56" [40]	50 in.-lb.	50 in.-lb.
C-4LH-3	2-1/2 - 4 [64-102]	3/0 - 10 Str.	1 [25]	5.01" [127]	4.82" [122]	1.13" [29]	2.44" [62]	50 in.-lb.	50 in.-lb.

* C-LH with -1 has one screw; -2 and -3 Versions have 2 screws as shown.

Type C-CS Cast Bronze Clamps with Copper Strap

For grounding rigid conduit systems. Strap helps protect conduit system from water system vibrations. Cast bronze clamp with zinc plated screws and ETP copper strap.



Fig. 1

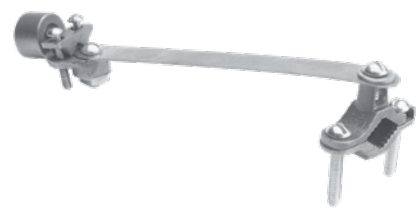


Fig. 2

Catalog Number	Fig. #	Accommodates Conductor Range			Reference Dimensions					Recommended Screw Torque (Inch Pounds)	
		Water Pipe	Ground	Hub Size	H	L	W	C	D	Pipe Clamp	Wire Clamp
C-11CSH-1	1	1/2 - 1 [13-25]	6 Sol. Max.	1/2 [13]	1.75" [44]	8.50" [216]	1.06" [27]	1.06" [27]	6.12" [155]	50 in.-lb.	50 in.-lb.
C-11CSH-2	1	1/2 - 1 [13-25]	4/0 Str. Max.	3/4 [19]	1.75" [44]	8.50" [216]	1.25" [32]	1.50" [38]	6.12" [155]	50 in.-lb.	50 in.-lb.
C-11CSH-3	1	1/2 - 1 [13-25]	4/0 Str. Max.	1 [25]	1.75" [44]	8.50" [216]	1.50" [38]	1.75" [44]	6.12" [155]	50 in.-lb.	50 in.-lb.
C11CSLH12	2	1/2 - 1 [13-25]	2/0 Str. Max.	1/2 [13]	1.75" [44]	8.50" [216]	1.18" [30]	1.06" [27]	6.12" [155]	50 in.-lb.	45 in.-lb.

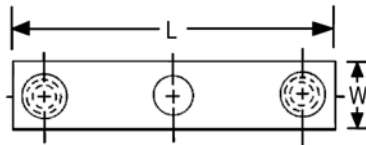
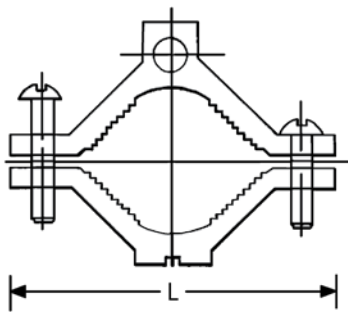
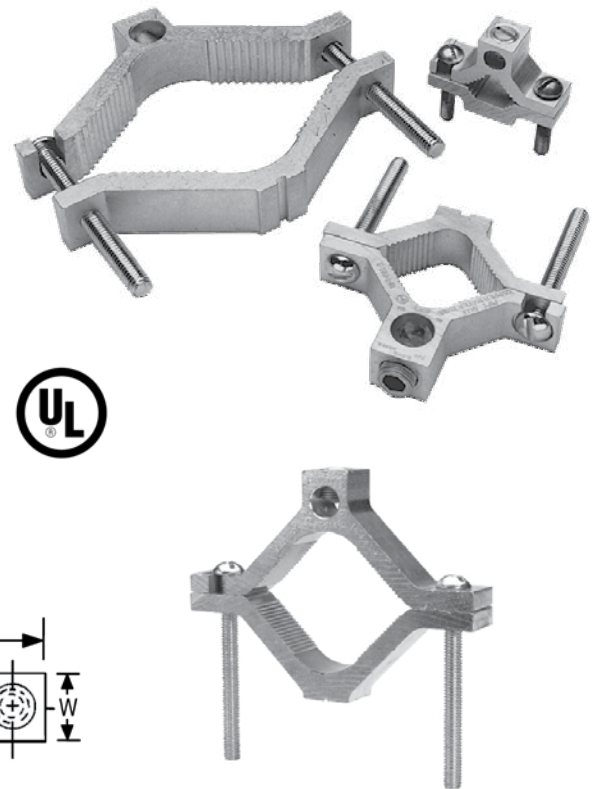
Type GC-A

Dual Rated Ground Clamp for Copper and Aluminum Cable

Type GC-A ground clamps are UL Listed for use with either copper or aluminum conductors to copper water pipe, galvanized pipe, or steel conduit. All clamps are constructed from tin plated high-strength extruded aluminum alloy. PENETROX™ oxide inhibiting joining compounds are recommended for all aluminum applications.

Features & Benefits

- Clamps are dual rated for both copper and aluminum conductors providing maximum flexibility of application
- All connectors are tin plated to provide low contact resistance and prevent galvanic corrosion
- All clamps are range taking; only 3 catalog number covers the complete range of applications from 1/2 to 4 inches
- UL467 Listed



Catalog Number	Conduit, Pipe, or Water Tube Size**	Wire Range	Screw Type	W	L	Hex Size
GC15A	1/2 - 3/4 - 1	1/0 - 14	Slotted	11/16	2-1/4	Slot
GC18A	1-1/4 - 1-1/2 - 2	250 kcmil - 6	Hex Socket	13/16	3-3/4	5/16
GC22A	2-1/2 - 3 - 3-1/2 - 4	250 kcmil - 6	Hex Socket	1	6-5/16	5/16

NOTE:

** Refer to Section O for tube dimensions.

Mechanical Grounding

BONDIT® Intersystem Bonding Connector
House or Meter Socket Mounted Type BDT

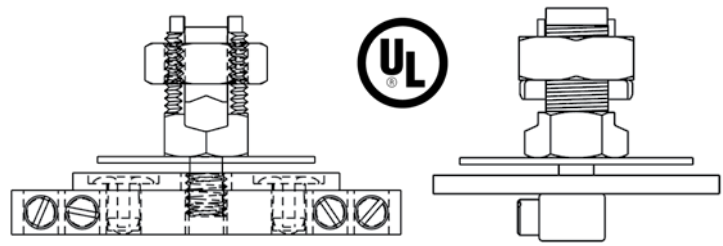
Type BDT, House or Meter Socket Mounted BONDIT® Intersystem Bonding Connector

Designed to meet the requirements of NEC Article 250.94 "Bonding for Other Systems". Corrosion-resistant stainless steel set screws. Accepts main ground wire (#2-#8) and up to 4 intersystem wires (#6-#14). Same design can be mounted directly to the meter socket or mounted to the house. Innovative design does not damage meter socket and will not void warranty.

Catalog Number: BDT1

Features & Benefits

- Made in the USA!
- Meets Intersystem Bonding Requirements; NEC 250.94
- One connector does it all
- House mount or meter socket mount
- Incorporates proven BURNDY® SERVIT POST™ design
- Stainless steel set screws
- UL467 Listed

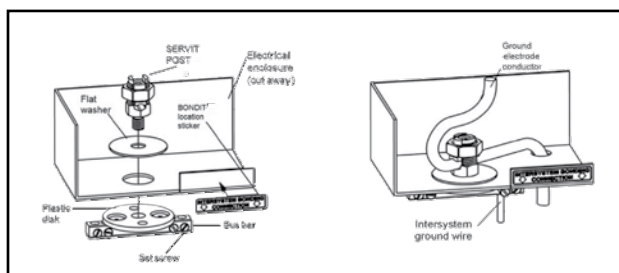


- Accepts main ground wire (#2-#8), up to 4 intersystem wires (#6-#14)
- Easily mounts to meter box during new installation or can be wall mounted
- Easy to follow instructions included
- Does not damage meter socket; no worries about damaging the paint or voiding warranties
- Easily installed with a wrench and screwdriver
- Open design prevents buildup of hornets, bees, spiders



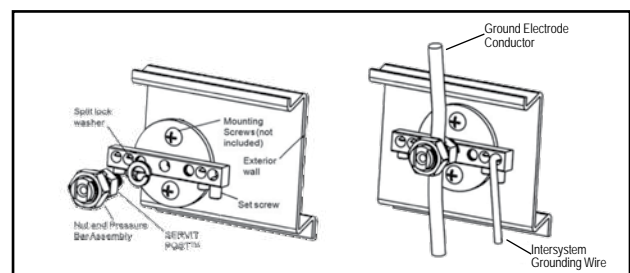
CONFIGURATION 1 - MOUNTED TO ENCLOSURE

1. Punch out a 1/2" or 3/4" knock out on the electrical enclosure.
2. Begin assembly by installing the ground electrode conductor in the SERVIT POST™ inside the electrical enclosure. Torque on SERVIT® NUT: 275 in-lb max.
3. Install the rest of the connector shown below, it is not necessary for the bus bar to be aligned parallel with the enclosure. (Note: the split washer is not used in this configuration.)
4. Tighten the intersystem ground wires with set screws in the bus bar to a maximum torque of 35 in-lb.
5. Adhere the BONDIT® location sticker to the front of the electrical enclosure.



CONFIGURATION 2 - MOUNTED TO EXTERIOR WALL

1. Begin by assembling the connector as shown in figure below. Be sure SERVIT POST™ is as tight as it can be while its groove is aligned with the ground electrode conductor. (Note: the flat washer is not used in this configuration.)
2. Use two mounting screws (not included) to secure the connector to the exterior wall so that the set screws in the bus bar face downward.
3. Install the ground electrode conductor into the SERVIT POST™ while turning the nut/pressure bar assembly to a maximum torque of 275 in-lb (use 2 wrenches if necessary).
4. Tighten the intersystem ground wires with the set screws in the bus bar to a maximum torque of 35 in-lb.
5. If hidden from view, use the BONDIT® location sticker to indicate the location.

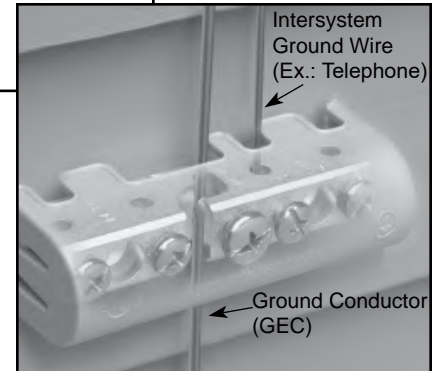
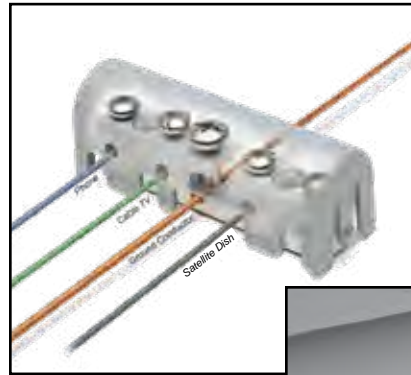


Type BDTIBB, BONDIT® Wall Mounted Intersystem Bonding Connector

NEC 250.94 refers to a requirement in the 2008 National Electrical Code. In the past, ground wires from telephone systems or cable systems were allowed to be grounded separately from the GEC (Ground Electrode Conductor from the main electrical service). With the new code, all ground wires from separate systems such as telephone systems, CATV and radio systems must be tied together at one location to the GEC. Hence, the term intersystem refers to tying all of the "system" grounds together in one location. The BONDIT® - Wall Mount is a great solution when the GEC is exposed (not in conduit).

With the new BONDIT® - Wall Mount connector BURNDY provides an economical solution that meets the needs of NEC 250.94.

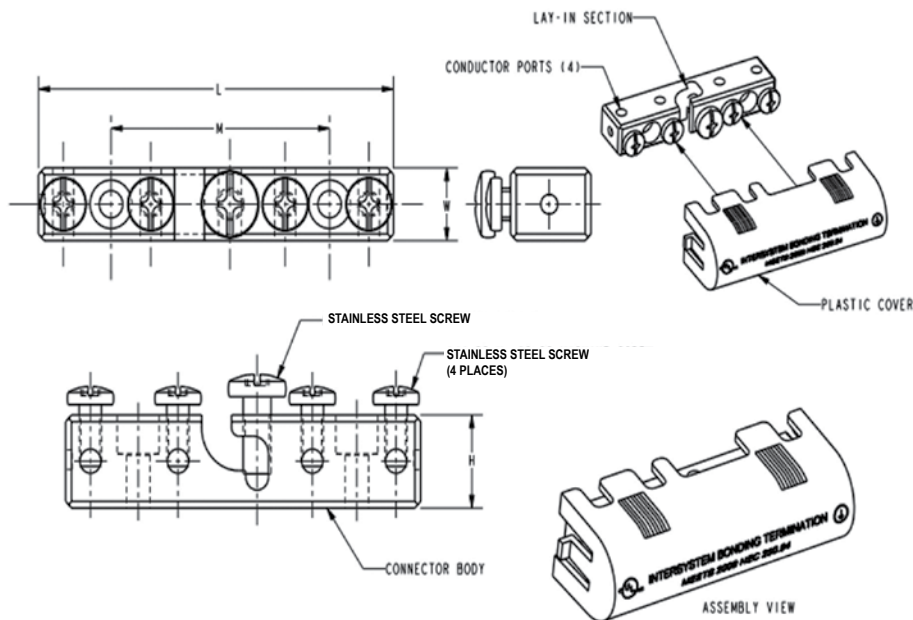
Catalog Number: **BDTIBB**



Catalog Number	Conductor Range		Reference Dimensions			
	Lay-In Section	Conductor Ports	L	W	H	M
BDTIBB	#6 - #2 AWG	#14 - #4 AWG	3.99 [101]	0.71 [18]	0.91 [23]	2.46 [62]

Features & Benefits

- Meets Intersystem Bonding Requirements; NEC 250.94
- Provides an easy to access grounding point for utilities such as telecom and cable
- Easy to install
- Tin-plated connector body provides long-lasting corrosion resistance
- UL467 Listed for the US and Canadian Markets
- Stainless steel set screws
- Accepts main ground wire (#2 to #6), up to (4) intersystem wire (#4 to #14)
- Supplied with a durable cover, easily secured over connector body
- Approved for use with solid stranded conductors



Mechanical Grounding

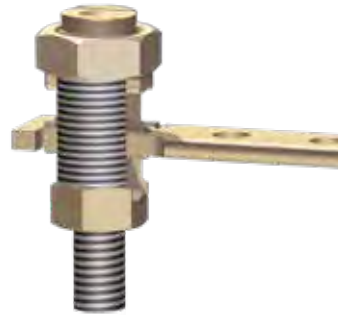
HandyBug™ Connector
Type SB, Tap, Splice, or Terminate

Type SB, HandyBug™ Connector

Tap, Splice, Terminate all with the same connector

The HandyBug™ connector is an “all-in-one” electrical connector that can be used for dozens of different power or grounding connection applications. This new connector is the survival tool of electrical connections and can be used as a splice, tap, terminal, wire-to-pipe, wire-to-busbar, and many other applications. The HandyBug™ incorporates the features and benefits of dozens of different products. Available in two sizes, these connectors accommodate from #8 AWG Solid to 1/0 AWG Stranded.

Ideal for emergency repairs, maintenance crews, and technicians, this connector is an essential part of every electrician/s basic supplies. cULus Listed and acceptable for direct burial in earth and concrete.



Traditional Split Bolt Option



Terminate 1 or 2 Wires



Splice Connection

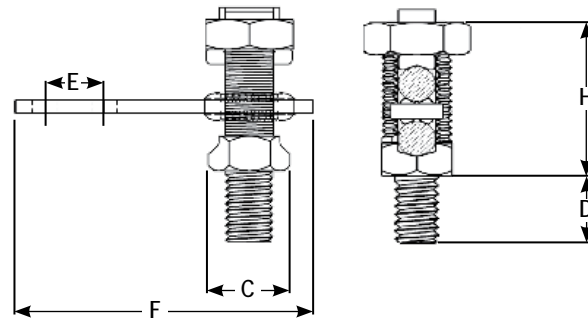


Wire to Pipe or Steel



Features & Benefits

- Power or Grounding and Bonding Applications
- Can be used to terminate wire to bus bars or steel
- Can be used for splicing and tap connections
- No special tooling required
- UL467 and UL486A/B Listed for the US and Canadian markets
- Rated for Direct Burial
- Tin plated
- Industry standard mounting hole configurations



Catalog Number	Stranded	Solid	Stud Diameter	C	H	D	E	F
SB232TC14	8 AWG - 2 AWG	8 AWG - 2 AWG	3/8 - 16	0.72 [18]	1.44 [37]	0.63 [16]	0.63	2.84
SB232TC38	8 AWG - 2 AWG	8 AWG - 2 AWG	3/8 - 16	0.72 [18]	1.44 [37]	0.63 [16]	1.00	2.84
SB23U*	8 AWG - 2 AWG	8 AWG - 2 AWG	3/8 - 16	0.72 [18]	1.44 [37]	0.63 [16]	N/A	2.84
SB252TC14	2 AWG - 1/0 AWG	2 AWG - 1/0 AWG	1/2 - 13	0.87 [22]	1.68 [43]	0.75 [19]	0.63	3.15
SB252TC38	2 AWG - 1/0 AWG	2 AWG - 1/0 AWG	1/2 - 13	0.87 [22]	1.68 [43]	0.75 [19]	1.00	3.15
SB25U*	2 AWG - 1/0 AWG	2 AWG - 1/0 AWG	1/2 - 13	0.87 [22]	1.68 [43]	0.75 [19]	N/A	3.15

* Suffix U denotes undrilled version, not cULus Listed.

Type BWB680 Series BURNDY® Pool Water Bonding Kits

NEC 680.26(C) states: "An intentional bond of minimum conductive surface area of 9" shall be installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in 680.26(B)".

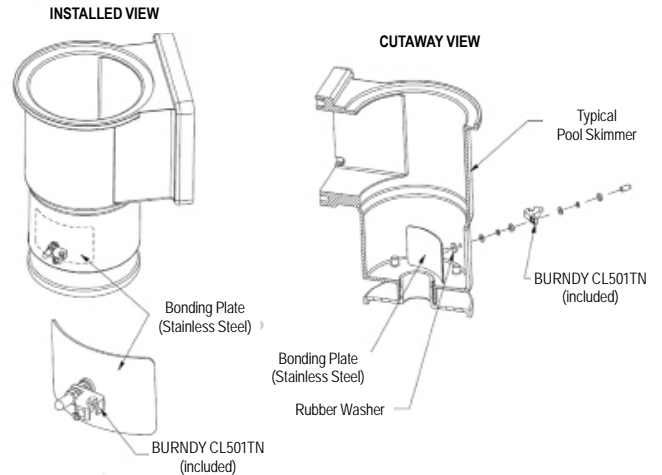
In order to comply with this requirement BURNDY is offering the BWB680 Series. Made of non-corrosive stainless steel, the BURNDY water bonding kit maintains constant contact with pool water to ensure that the pool is effectively bonded at all times.

BURNDY BWB680 Series is one of the few and the most user friendly, products on the market that complies with this code. Other products are placed in the plumbing, which is not always in contact with the water and therefore does not meet the code. Since the BWB680 Series is placed in the skimmer, it is always in contact with the water.

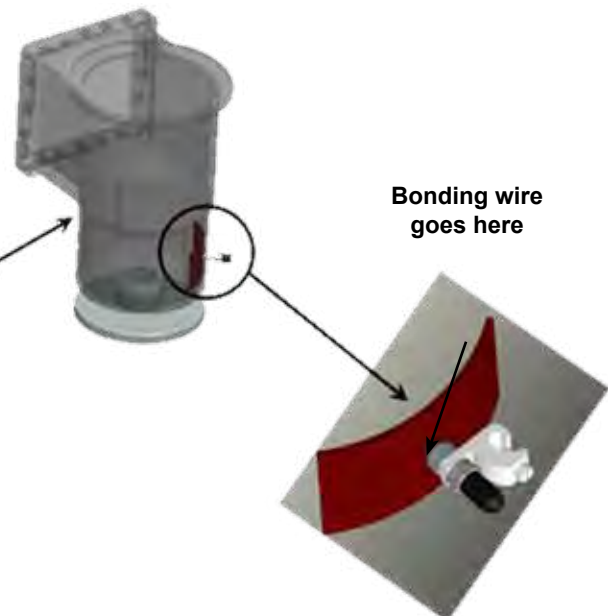
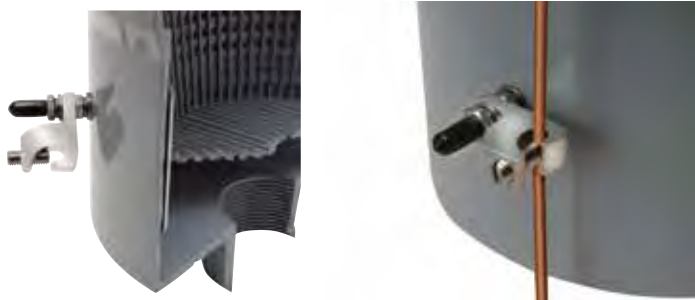
Included in the BURNDY BWB680 Series Bonding Kit: One (1) bonding plate; one (1) rubber sealing washer; two (2) flat washers; two (2) lock washers; two (2) nuts; and one (1) BURNDY CL501-TN.

Features & Benefits

- Easy installation
- Mounting hardware included
- UL Listed
- Placed out of the way on the side wall of the skimmer below the basket

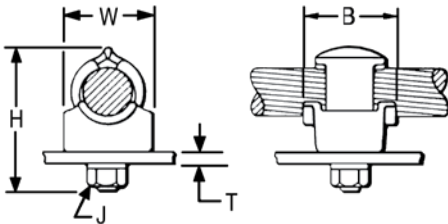


Catalog Number	Pool Type
BWB680AG	Above Ground
BWB680IG	In-Ground



Type QGFL BARTAP™ Copper Cable to Flat Bar or Pad

High copper alloy BARTAP™ for joining a range of cable to bar or pad. One-wrench installation. DURIUM™ silicon bronze nut and lockwasher. Can be installed side by side or in line on a NEMA drilled bar.



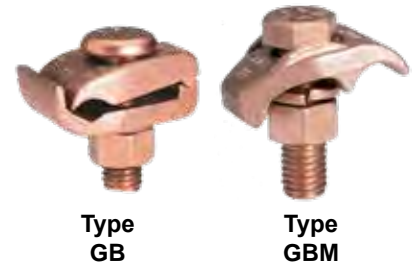
Catalog Number	Copper Conductor	B	H	J	T (Max)	W
QGFL1CB1	#10 Sol. - #1 Str.	1-1/8	1-7/8	3/8	1/4	1
QGFL1CB1T6	#10 Sol. - #1 Str.	1-1/8	2-3/8	3/8	3/4	1
QGFL26B1	#8 Sol. - #2/0 Str.	1-1/4	2-1/8	3/8	1/4	1-1/8
QGFL26B1T6	#8 Sol. - #2/0 Str.	1-1/4	2-5/8	3/8	3/4	1-1/8
QGFL26B2*	#8 Sol. - #2/0 Str.	1-1/4	2-8/25	1/2	1/4	1-1/8
QGFL26B2T6*	#8 Sol. - #2/0 Str.	1-1/2	2-40/50	1/2	3/4	1-1/8
QGFL29B1*	#6 Str. - 250 kcmil	1-2/5	2-5/8	1/2	1/4	1-3/8
QGFL29B1T6*	#6 Str. - 250 kcmil	1-5/8	3-1/8	1/2	3/4	1-3/8
QGFL31B1*	2 AWG - 350 kcmil	1-3/4	2-7/8	1/2	1/4	1-5/8
QGFL31B1T6*	2 AWG - 350 kcmil	1-3/4	3-1/4	1/2	3/4	1-5/8
QGFL34B1	1/0 - 500 kcmil	2	3-1/8	1/2	1/4	1-3/4
QGFL34B1T6	1/0 - 500 kcmil	2	3-5/8	1/2	3/4	1-3/4
QGFL39B1	350 kcmil - 750 kcmil	2-1/4	3-1/4	1/2	1/4	1-3/4
QGFL39B1T6	350 kcmil - 750 kcmil	2-1/4	3-5/8	1/2	3/4	1-3/4
QGFL44B1	750 kcmil - 1000 kcmil	2-1/4	3-3/8	1/2	1/4	2-1/8
QGFL44B1T6	750 kcmil - 1000 kcmil	2-1/4	4-1/8	1/2	3/4	2-1/8
QGFL46B1	1000 kcmil - 1500 kcmil	2-1/4	4	1/2	1/4	2-1/2
QGFL46B1T6	1000 kcmil - 1500 kcmil	2-1/4	4-1/2	1/2	3/4	2-1/2
QGFL48B1	1500 kcmil - 2000 kcmil	2-1/4	4-3/4	1/2	1/4	3

* Can be installed side by side or in line on NEMA drilled bar.

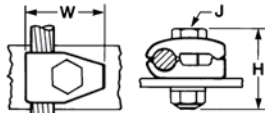
Types GB, GBM

Ground Connector for Copper Cable to Bar

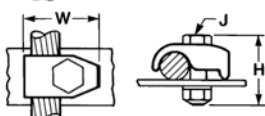
High copper alloy ground connector for joining a range of cable to 1/4" thick bar.* Type GB separates cable from bar, GBM clamps cable directly on bar surface. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make the GB and GBM suitable for direct burial in concrete or ground. See Note at the bottom of the page.



- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets ①
- One wrench installation



Type GB



Type GBM

Catalog Number		Cable	H Type GB/GBL	H Type GBM	J	W Type GB/ GBL	W Type GBM	Rec. Torque
Type GB	Type GBM							
GB4C	GBM4C	8 AWG-4 AWG	1-1/2	1-1/2	3/8	1-1/4	1-1/4	240
GB26	GBM26	4 AWG-2/0 AWG	2	1-1/2	3/8	1-1/2	1-1/2	240
GBL30 ①	—	4 AWG-300 kcmil	2	—	1/2	1-7/8	—	480
GB29	GBM29	2/0 AWG-250 kcmil	2	2	1/2	2	2	480
GB34	GBM34	300 kcmil-500 kcmil	3	2-1/4	1/2	2-3/8	2-3/8	480

① GBL30 is not UL Listed

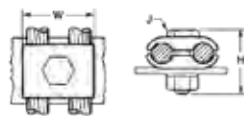
Types GC, GCM

Ground Connector for Two Copper Cables to Bar

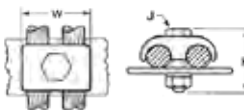
High copper alloy ground connector for joining a wide range of two parallel cables to 1/4" thick bar.* Type GC separates cable from bar, GCM clamps cable to bar surface. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make the GC and GCM suitable for direct burial in concrete or ground. See Note at the bottom of the page.



- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One wrench installation



Type GC



Type GCM

Catalog Number		Cable	H Type GC	H Type GCM	J	W Type GC/GCL	W Type GCM	Rec. Torque
Type GC	Type GCM							
GC4C4C	GCM4C	8 AWG-4 AWG	1-1/2	1-1/2	3/8	1-3/8	1	240
GC2626	GCM26	4 AWG-2/0 AWG	2	1-1/2	3/8	1-3/4	1-3/8	240
GCL30	—	5 AWG-300 kcmil	2	—	1/2	1	—	480
GC2929	GCM29	2/0 AWG-250 kcmil	2-1/4	2	1/2	2-1/4	2	480
GC3434	GCM34	300 kcmil-500 kcmil	2-7/8	2-1/4	1/2	2-7/8	2-5/8	480

NOTE:

The **GB**, **GBM**, **GC**, **GCM**, **GL** and **GZ** are all used for joining a range of cable to bar. The catalog numbers in each table accommodate the indicated cable range and up to 1/4" thick bar. Optional bolt lengths are available to accommodate up to 1" thick bar. For bar thicknesses from 1/4" to 1/2", add the suffix "T4" to the catalog number in the table. For bar thicknesses from 1/2" to 1", add the suffix "T8" to the catalog number in the table.

Mechanical Grounding

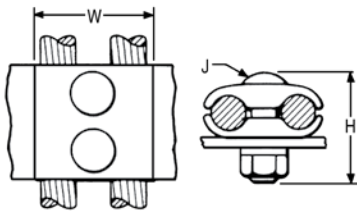
Type GL for Two Copper Cables to Bar;
Type GZ for Copper Cable to Bar

Type GL

Ground Connector for Two Copper Cables to Bar

High copper alloy ground connector for joining a wide range of two parallel cables to 1/4" thick bar.* Two-bolt design, separates cable from bar. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground. See Note at the bottom of the page.

- Rated for Direct Burial in earth or concrete
- UL467 Listed
- One wrench installation



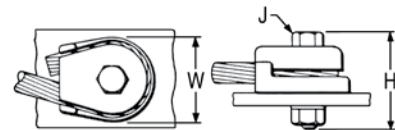
Catalog Number	Conductor	H	J	W
GL4C4C	8 AWG-4 AWG	1-1/2	3/8	1-3/8
GL2626	4 AWG-2/0 AWG	2	3/8	1-3/4
GL2929	2/0 AWG-250 kcmil	2-1/4	1/2	2-1/4
GL3434	300 kcmil-500 kcmil	2-7/8	1/2	2-7/8

Type GZ

Ground Connector for Copper Cable to Bar

High copper alloy ground connector for joining a wide range of cable to 1/4" thick bar*. Cable is gripped by curving it around the clamping bolt in connector groove. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground. See Note at the bottom of the page.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Catalog Number	Conductor	H	J	W
GZ4C-38	8-4	1-1/2	3/8	1-1/8
GZ4C-12	8-4	1-7/8	1/2	1-3/4
GZ4C-58	8-4	2	5/8	1-3/4
GZ26-38	3-2/0	2	3/8	1-5/8
GZ26-12	3-2/0	2-1/8	1/2	1-3/4
GZ26-58	3-2/0	2-1/4	5/8	1-3/4
GZ29-38	3/0-250	2-1/4	3/8	2-1/4
GZ29-12	3/0-250	2-3/8	1/2	2-1/4
GZ29-58	3/0-250	2-1/2	5/8	2-1/4



NOTE:

The **GB**, **GBM**, **GC**, **GCM**, **GL** and **GZ** are all used for joining a range of cable to bar. The catalog numbers in each table accommodate the indicated cable range and up to 1/4" thick bar. Optional bolt lengths are available to accommodate up to 1" thick bar. For bar thicknesses from 1/4" to 1/2", add the suffix "T4" to the catalog number in the table. For bar thicknesses from 1/2" to 1", add the suffix "T8" to the catalog number in the table.

Types J, RGC Mechanical Rail Connectors

Mechanical clamp connectors designed for use in power, contact or running rail applications. Connectors are cast of a high conductivity copper alloy, tin-plated, and assembled with high-strength DURUM™ hardware. Connectors designed for extended service life.



Figure 1

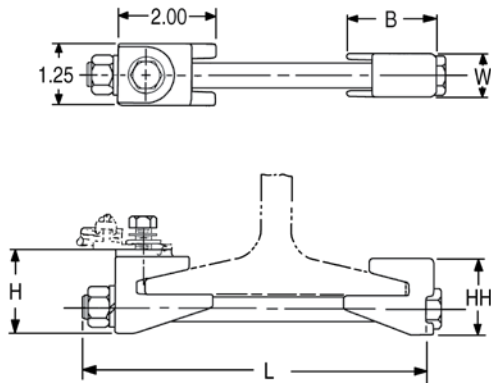


Figure 2

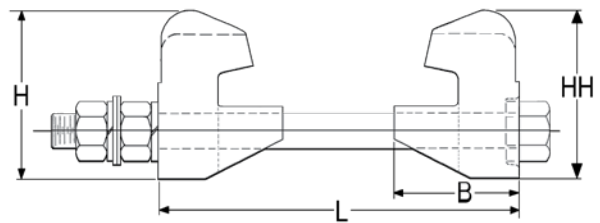


Figure 3

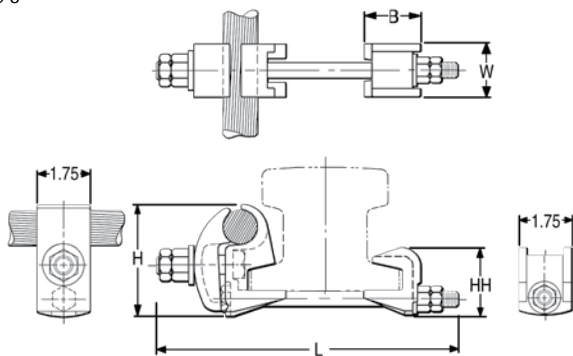
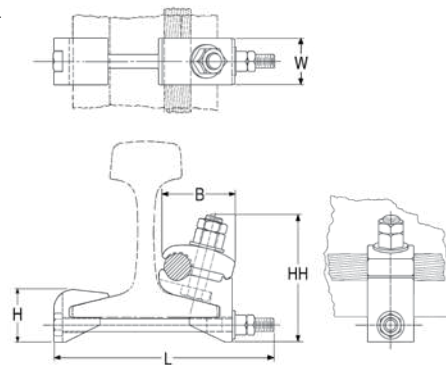


Figure 4



Catalog Number	Fig. No.	Accommodates	B	H	HH	L	W
J278	1	100 Lbs. A.R.E.A Running Rail	1.81	1.88	1.72	7.50	0.88
J278G1	1	100 Lbs. A.R.A. Running Rail	1.81	1.88	1.72	8.00	0.88
J279	1	75 or 90 Lbs. Running Rail	1.81	1.71	1.55	7.50	0.88
J280	1	150 Lbs. Contact Rail	2.12	2.08	1.92	7.00	1.25
J295	2	150 Lbs. Third Rail	2.62	3.50	3.50	7.75	3.00
RGC44G1 ①	3	150 Lbs. NMC Contact Rail and (1) 800-1000 kcmil CU Cable	1.75	2.82	2.25	10.00	1.75
RGC39G1 ①	4	115 Lbs. Contact or Running Rail and (1) 500-750 kcmil CU Cable	2.75	2.00	4.78	8.32	1.25

① Tin-plated

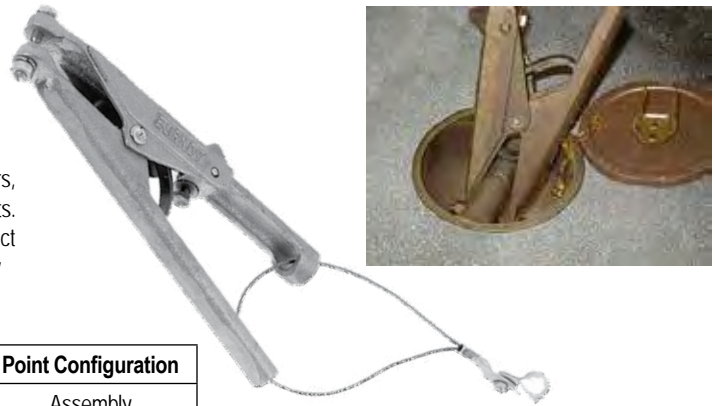
Mechanical Grounding

Type GIE-G Ground Connectors
for Vehicle Grounding; Heavy Duty

Type GIE-G

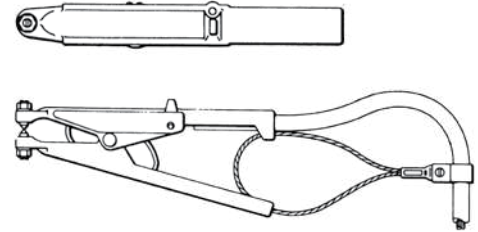
Ground Connector for Vehicle Grounding,
Heavy Duty Construction

High-strength copper alloy ground clamps for grounding gasoline trucks, tank cars, aircraft and other vehicles where danger of explosion due to static electricity exists. Corrosion resistant and supplied with nonsparking, adjustable, replaceable contact grip screws. Automatic safety release disconnects should a vehicle unexpectedly move from the grounded area. Accommodates 4 Str. flexible copper cable.



Catalog Number	Description	Material	Point Configuration
GIE4CG3	Assembly Beryllium Copper	Beryllium Copper	Assembly
GIE4CG4	Assembly Stainless Steel	Stainless Steel	Assembly

Replacement Tips Only			
Catalog Number	Description	Material	Point Configuration
GIE4CG3P5	Beryllium Copper CONE Point Only	Beryllium Copper	Cone Point
GIE4CG3P7	Beryllium Copper CUP Point Only	Beryllium Copper	Cup Point
GIE4CG4P5	Stainless Steel CONE Point Only	Stainless Steel	Cone Point
GIE4CG4P7	Stainless Steel CUP Point Only	Stainless Steel	Cup Point

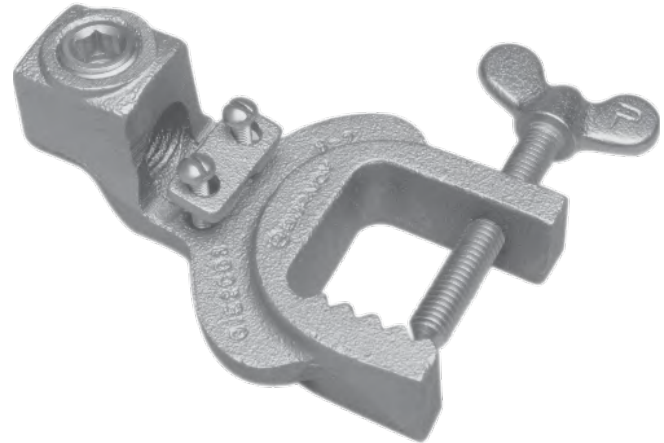
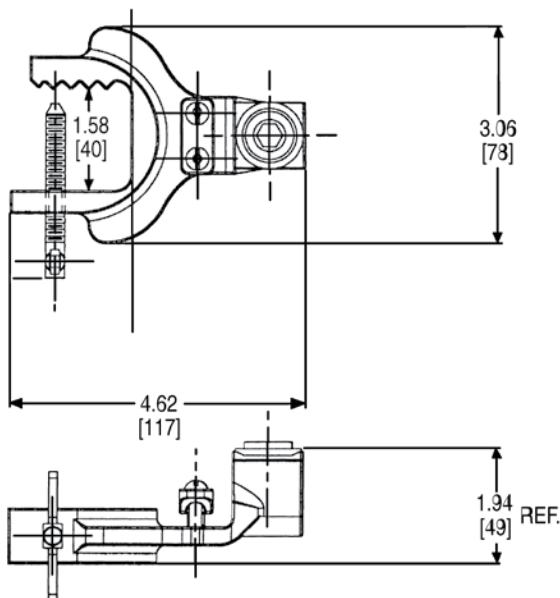


Type GIE-G

Ground Connector for Vehicle Grounding,
Heavy Duty Construction

Accommodates flexible rubber sheath cable ranging from #6 to #2 conductor.

Catalog Number: GIE2CG3



Type BSD BURNDY® Static Discharge Reels

Static Discharge Reels are an excellent addition to the BURNDY® static discharge line of products. These reels are often used to dissipate static charge buildup developed while filling or dispensing fuel or other combustible liquids from fuel trucks or rail cars. Often used in the petroleum industry but applicable in any area where static discharge creates potential hazard.

These reels are heavy duty, of rugged construction and are supplied with a 100 amp universal jaw-type grounding clamp. The reels are available with 100 ft and 50 ft lengths. All reels come with spring rewind and centrifugal brake. The tension can be adjusted on these reels and installation instructions are included to ensure the most efficient mounting method.

Every reel is Proudly Made in the USA and meets the stringent quality expectations of the BURNDY® portfolio of grounding products.

Features & Benefits

- 100 foot and 50 foot cable lengths available
- Automatic E-Z PULL™ Rewinding
- Rugged Steel Construction
- Compact Enclosed Design (excluding BSD20100)
- Positive Ratchet Lock with Ratchet On/Off Switch (excluding (BSD20100)
- Permanent Ratchet Lock (BSD20100 only)
- Steel Cable Installed
- 100 Amp Universal Jaw-Type Grounding Clamp
- Red Baked-on Finish
- Made in the USA



BSD2050

BSD2050N



BSD2050Y



BSD20100

Catalog Number	Cable Length	# of Jaw-Type Grounding Clamps	Weight (lb.)
BSD20100	100 feet (Open Reel Design)	1	20
BSD2050	50 feet	1	12
BSD2050N	50 feet (Nylon Covered)	1	12
BSD2050Y	35 feet plus 15 feet of "Y"	2	13

Repair Component Kits	
Catalog Number	Includes:
BSD2050K01	Spring motor assembly: spring motor, spool, shaft, bushings in a sealed canister
BSD2050K02	Right half housing assembly: right housing half, ratchet lock assembly (attached to housing)
BSD2050K03	Left half housing assembly: left housing half, nameplate
BSD2050K04	Cable guide
BSD2050K05	Cable assembly: cable, grounding clamp(s), lockwasher-M4, hex nut-M4
BSD2050K06	Hardware package: spacer, torsion spring, machine screws, lockwasher, thrust washer, hex nut, retaining ring, extension spring, ratchet lock assembly
BSD2050K05Y	Cable assembly: two cable grounding clamps, lockwasher-M4, hex nut-M4
BSD2050K05N	Cable assembly: nylon covered cable, grounding clamp, lockwasher-M4, hex nut-M4

Type BSDCCEE Static Discharge "C" Clamp

The BSDCCEE is a static grounding "C" clamp used to provide electrical contact between containers used for dispensing liquids and the grounding grid. The reel or grounding cable is crimped onto the provided ring terminal which is then fastened to the clamp at the end of the set screw. The clamp can be used with galvanized or stainless steel cable with a maximum diameter of 1/8 inch. (Cable is not included.) The BSDCCEE has a galvanized steel body and includes the ring terminal, and stainless steel hardware. (Winged Cup Point Set Screw and Dog Point Set Screw)



Catalog Number: BSDCCEE

Features & Benefits

- Easy to install
- Galvanized steel body and stainless steel hardware
- Designed for clamping cable end to containers

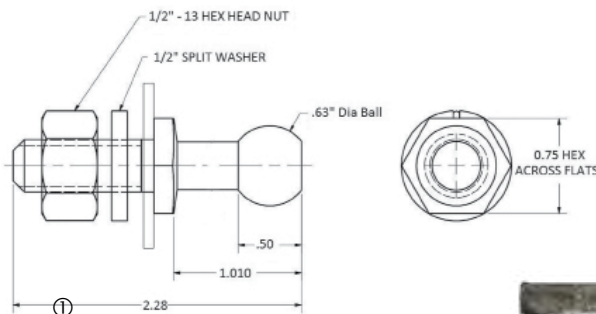
Type GCB63T13G1 STUDBUG™ for Static Grounding Applications

GCB63T13G1 is a temporary grounding stud for use on rail cars, chemical trucks, hazardous waste tankers or a petroleum vehicle to allow for static grounding protection, while in operation. It provides a contact point, allowing the rail car, truck or tanker to be grounded to an equipotential grid or ground rod, by using static reel or a ground cable.

Catalog Number: GCB63T13G1

Features & Benefits

- Made of bronze; supplied with silicon bronze hardware
- Secured by 1/2" hexagonal nut and split lockwasher
- Can be used with universal clamps and ball stud clamps
- Can be used at various angles to reach inaccessible areas
- Add suffix "SS" for grounding stud with stainless steel hardware



Note:

- ① Can be used with plate, bus bar or structural steel up to 1/4" thick.



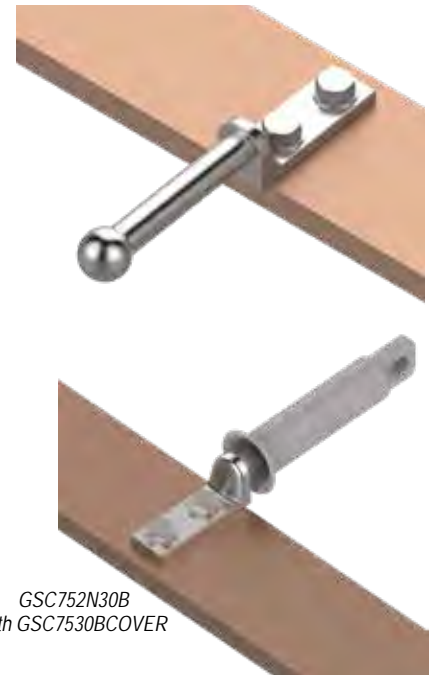
Type GSC75

All-in-one Ball and Socket Design with NEMA Pad

Grounding studs provide a low resistance path in the event of a fault. The GSC75 series of studs are available in straight, 45°, and 90° variations with other angles available upon request. The GSC7530BCOVER provides a snug fit over the GSC75 studs when not in use to serve as an animal mitigation.

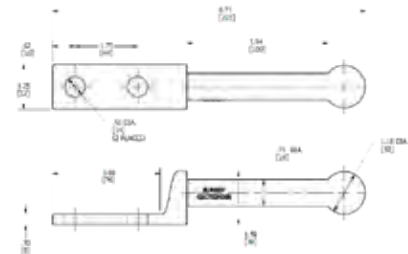
Features & Benefits

- High amperage rating
- Critter guard/cover available
- Available in Straight, 45°, and 90° variations
- Ball and Socket design accommodates industry standard clamps
- All-in-one design with NEMA terminal pad in-line with stud



GSC752N30B
with GSC7530BCOVER

Catalog Number	Description	Hole Information	Pad Angle	Ball Diameter
GSC752N30B	Ground Stud (Straight)	1/2" holes with 1.75" spacing	straight	30 mm (1.18")
GSC752N30B45	Ground Stud (45°)		45 degree	30 mm (1.18")
GSC752N30B90	Ground Stud (90°)		90 degree	30 mm (1.18")
GSC7530BCOVER	Ground Stud Cover	—	—	—



Type GSC63

Ground Ball Stud with 90° NEMA Pad

Tin-plated cast copper alloy ground stud incorporates an offset pad featuring NEMA spacing and 1" ball stud. Used when servicing a pad mounted transformer, the GSC632NH1B and optional orange thermoplastic elastomer cover provide for safe maintenance of equipment for optimal uptime.

Features & Benefits

Stud

- 90° offset pad
- NEMA Spacing
- Cast Copper Alloy
- Tin-plated for corrosion resistance

Cover

- Eye stem tool loop for install/removal
- Orange thermoplastic elastomer material



Catalog Number	Description	Hole Spacing	Pad Angle	Ball Diameter
GSC632NH1B	Ground stud with offset NEMA spacing pad	1.75"	90°	1" (25.4mm)
GSC632NH1BCOVER1	Thermoplastic elastomer cover (orange) for GSC632NH1B	Not applicable for cover		

Mechanical Grounding

Type GC-CT Cable Tray Ground Clamp;
Types BTCGC, BTCGC-SS Cable Tray Clamp

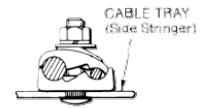
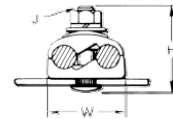
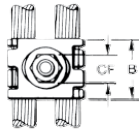
Type GC-CT Cable Tray Ground Clamp

This unique connector incorporates features which are unmatched. Made of tin-plated cast copper alloy, it accommodates either one or two conductors, copper or aluminum cable. In addition to a low profile head with a deep Phillips recess, the galvanized steel bolt has a ribbed neck which prevents rotation during installation when installed in a 0.44 diameter hole.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets with copper conductor only
- For aluminum conductor, the cable must be scratch brushed and PENETROX™ A joint compound must be applied on the cable and connector

NOTE:

The bolt head is mounted on the inside wall of cable tray to avoid damage to the cable insulation. May be used with aluminum or galvanized steel cable tray.



Catalog Number	Accommodates Copper or Aluminum Conductor in either groove	B	CF	H	J	W
GC2525CT	#6 Sol. (0.16 Dia.) - 1/0 Str. (0.37 Dia.)	1.12	0.56	1.95	3/8	1.45
GC2626CT	#2 Sol. (0.26 Dia.) - 2/0 Str. (0.42 Dia.)	1.12	0.56	1.95	3/8	1.70
GC2929CT	2/0 Str. (0.41 Dia.) - 250 kcmil (0.58 Dia.)	1.12	0.56	2.20	3/8	1.98

Types BTCGC, BTCGC-SS Cable Tray Clamp for Copper or Aluminum Conductor to Aluminum or Steel Cable Tray*

Made of aluminum and tin plated, the BTCGC and BTCGC-SS cable tray clamps accommodate aluminum or copper conductor #14 AWG through 250 kcmil. SS version is suitable for outdoor applications. The BTCGC clamp may be used with most types of cable tray with an inside or outside flange design.

Quick and easy installation requiring no drilling or special tools; use with 1/2" maximum straight rail, aluminum and steel cable trays. Tin plated for durability and corrosion resistance.

Features & Benefits

- Tin plated aluminum for durable, long lasting corrosion resistance
- UL2703 Listed for solar applications within the US and Canadian Markets*



NEW!!



- UL467 Listed for the US and Canadian Markets*
- Accommodates most common styles of cable tray with inside or outside flange
- Quick and easy installation; no drilling or special tools required
- Set screw bonds clamp to the cable tray while another set screw securely fastens the grounding conductor to the clamp providing vibration resistance and outstanding pull-out values
- Grounding green hardware†

Catalog Number	Copper or Aluminum Conductor	Max. Flange Thickness	L	W	H	Inst. Tooling	Rec. Inst. Torque (in-lb)		UL Surface Compatibility			
							Cable	Flange	AL Cable Tray	Steel Cable Tray	Anodized AL	Galv. Steel
BTCGC4SS	#14 AWG - #4 AWG	1/4" Max	1.35	0.50	1.30	7/16" Hex	30	50	Y	Y	Y	Y
BTCGC1/0SS	#12 AWG - 1/0 kcmil	3/8" Max	1.60	0.75	1.55	9/16" Hex	100	150	Y	Y	N	Y
BTCGC250SS*	#6 AWG - 250 kcmil	1/2" Max	2.25	0.88	2.43	1/4" Hex Key	225	150	Y	N	N	Y
BTCGC250*†	#6 AWG - 250 kcmil	1/2" Max	2.25	0.88	2.43	1/4" Hex Key	225	150	Y	N	N	Y

*BTCGC250 and BTCGC250SS are not UL Listed to steel cable tray.

†BTCGC250 does not have grounding green hardware

Type GXP1828RF SUPER-CLAMP™
 Raised Floor / Rebar Ground Connector

Raised Floor Pedestal Ground Connector. The GXP1828RF is a versatile, easy to install, range taking ground connector. This grounding clamp accepts a wide range of pedestals and conductors. Accepted pedestal range is 3/4" through 2" (7/8" - 2" round; 3/4" - 1-1/2" square). The wire range is #6 solid to 4/0 stranded. The wires can be arranged in a parallel or cross grid configuration - accepts 1 or 2 wires.

The high copper alloy body ensures excellent conductivity and the hardware is made of stainless steel. The connector is rated for Direct Burial in earth or concrete and UL467 Listed for the US and Canadian Markets. The versatility of the connector makes it an excellent choice for applications requiring multiple conductor sizes and/or configurations.

Features & Benefits

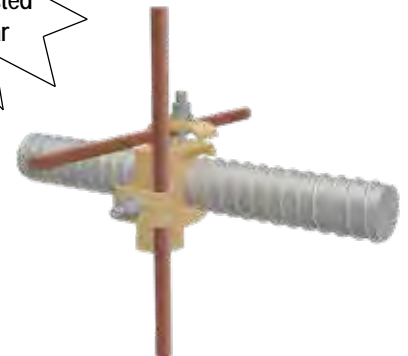
- Fits a wide range of raised floor pedestals, from 3/4" to 2" (7/8" to 2" round; 3/4" to 1-1/2" square)
- Accepts a wide range of wire sizes, #6 solid to 4/0 stranded
- Can be used for rebar sizes ranged from #7 to #12 size (7/8" to 1-1/2" dia.)
- Accommodates parallel wires or cross grid arrangements; wires can be installed in cross grid configuration
- Accepts one or two wires in any configuration
- Easy to install open design eliminates the need to disassemble before installing
- One socket size fits all hardware (1/2" socket size)
- Made of high copper alloy with stainless steel hardware
- UL467 Listed for the US and Canadian Markets
- Rated for Direct Burial in earth or concrete



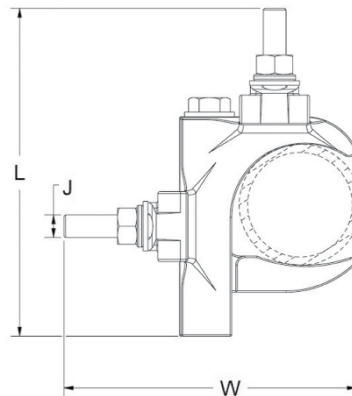
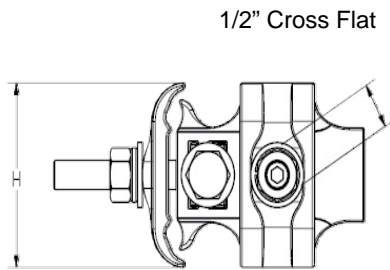
Cross Grid Configuration



Parallel Configuration



Rebar Connection



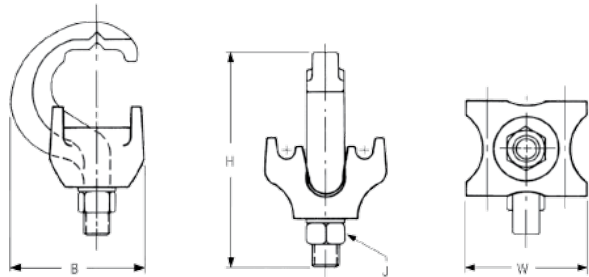
Catalog Number	Copper Conductor Range (Concentric & Compact Stranded 19 Str. Max)	Pedestal Range	Rebar	Reference Dimensions				Recommended Tightening Torque (in-lb.)	
				L	W	H	J	Conductor Saddle (Nut)	Pedestal Clamp or Rebar (Bolt)
GXP1828RF	6 AWG - 4/0 AWG	Round: 7/8" - 2" Square: 3/4" - 1-1/2"	Rebar Size: 7/8" - 1-1/2" (#7 - #12)	4.53	3.94	1.96	5/16	120	180

Type GRF UNIGROUND™ Raised Floor Grounding Connector

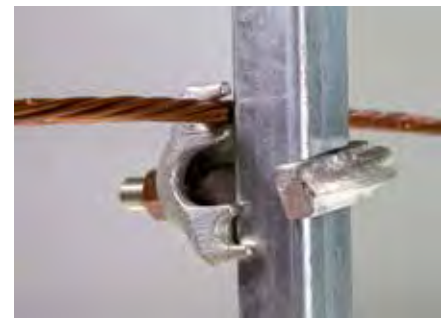
The BURNDY® UNIGROUND™ is a universal grounding clamp, specifically designed for all raised flooring systems. It can be installed on round or square pedestals and can accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground path that attenuates high frequency static and 60 Hz transient noise for cleaner data output. UL467 Listed.

Features & Benefits

- One connector fits all applications
- Ease of specification and installation
- Single bolt design with no need to disassemble
- Single wrench installation
- Accepts 1 or 2 ground conductors
- Requires less connectors to install signal reference grid
- Tin plated cast bronze construction
- Resists corrosion and provides extended life ground connection
- Grounds all pedestals (round or square); will accept up to 7/8" square and up to 1" round
- Serves 3 needs: Signal Reference Grid, Static Ground, and Fault Current Ground
- UNIGROUND™ connector will solve all grounding problems found in computer applications today
- UL467 Listed for the US and Canadian Markets



Catalog Number	Number of Conductors	Conductor Size Sol. & Str.	Pedestal Type		B	H	J	W
			Round	Square				
GRF4C-3	1 or 2	#8 - #2	Up to 1"	Up to 7/8"	1.96	3.14	3/8	1.76
GRF4C-4	1 or 2	#8 - #2	Up to 3/4"	Up to 5/8"	1.79	3.13	3/8	1.40



Types GP-G1, GP-RT Raised Floor Grounding Clamps

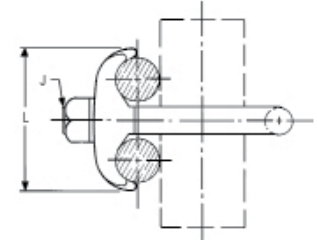
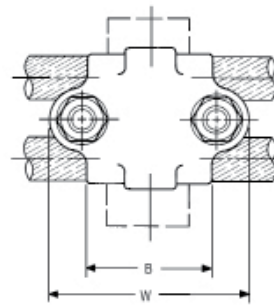
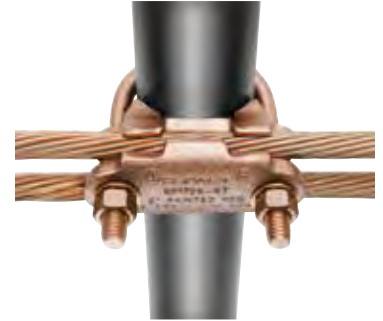
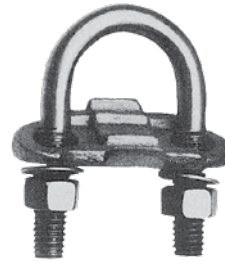
High copper alloy ground connector for raised floor computer grounding applications. These connectors can be installed on round and square pedestal applications and will accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground path that attenuates high frequency static and 60 Hz transient noise for cleaner data output. UL467 Listed.

In addition we offer the GP1726RT, which is specifically designed for penetrating epoxy paint on pedestals. This patented connector offers a low impedance, time saving connection between conductors and the pedestal.

Features & Benefits



- Accepts 1 or 2 ground conductors
- Requires less connectors to install signal reference grid
- Made of copper alloy
- DURIMUM™ Silicon Bronze U-Bolts, nuts and lockwashers
- Provides a low impedance ground path for maximum performance
- Grounds all pedestals (round or square)
- Accepts from 3/4" to 1" round or square
- Ease of installation
- Serves 3 needs: Signal Reference Grid, Static Ground, and Fault Current Ground
- Connectors solve all possible grounding problems found in computer applications today
- UL467 Listed for the US and Canadian Markets



Catalog Number	Number of Conductors	Conductor Size Sol. & Str.	Pedestal Size/ Type	B	J	L	W
GP654CG1	1 or 2	#8 Sol. - 4 Str.	3/4" - 1" Round 3/4" - 7/8" Square	1.50	3/8	1.31	2.38
GP64526G1	1 or 2	#4 Sol. - 2/0 Str.		1.50	3/8	1.69	2.38
GP64528G1	1 or 2	#4 Sol. - 4/0 Str.		1.50	3/8	1.69	2.38
GP1526G1	1 or 2	#4 Sol. - 2/0 Str.	1-1/4" Round	1.75	3/8	1.69	2.62
GP1726RT	1 or 2	#6 Sol. - 2/0 Str.	2" Round	2.12	3/8	1.50	3.22
GP1726G1	1 or 2	#6 Sol. - 2/0 Str.	2" Round	2.12	3/8	1.50	3.22

Flexible Copper Braid Jumper

Copper braid is made of tinned, pure copper wire woven and flattened into a rectangular shape for greater flexibility. Seamless, pure copper ferrules are formed and assembled on each end to provide appropriate contact surfaces.

Braid is used extensively to compensate for expansion and contraction of moving parts and for thermal movement of rigid devices; to prevent breakage of insulators or bushings or equipment because of misalignment during settling of substation foundations; to absorb shock and vibration of operating equipment; and to provide flexible current carrying leads between moving parts of heavy machinery or equipment.

Current Carrying Capacity

Flexible copper braid has generally better heat dissipation properties than flat bar, cable or other conductors, and therefore can be expected to have a greater current carrying capacity for given cross-sectional area. This is due to its greater surface area resulting from the woven construction of fine strands. However, ventilation, due to the vertical convection current of air, is appreciably better when the long axis of the braid is vertical rather than horizontal, so that the long sides of the braid, rather than the edges, are exposed to the moving air. This is particularly true when spaced braids are used in multiple as can be seen by comparing Figure 1 and 2.

To take full advantage of ventilation, the cooling convection current of air should be permitted to flow freely between the braids. Therefore, if possible, the braids should be spaced apart, rather than bunched together, as illustrated in Figure 3. The effectiveness of spacing is, of course, greater when the braids are in a vertical position.

Bulk Braid

Bulk braid can be ordered with a minimum order quantity of 10 feet. Specify feet in number of inches.

Example: 10 feet of 190 ampere braid is Catalog No. BB077L120.

INDOOR RATING AMPS	EQUIV CIRCULAR AREA	CAT NO.	APPROX WEIGHT PER FT
75	24,000	BB024L	0.06
95	48,000	BB048L	0.16
110	67,000	BB067L	0.22
190	77,184	BB077L	0.24
340	153,700	BB154L	0.49
360	231,552	BB226L	0.76
415	300,000	BB300L	1.06

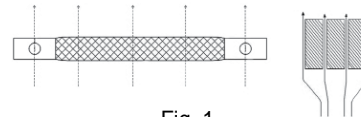


Fig. 1
Conventional current have maximum cooling effect with Braid in vertical position.

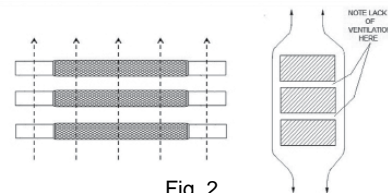
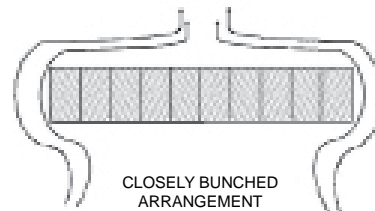
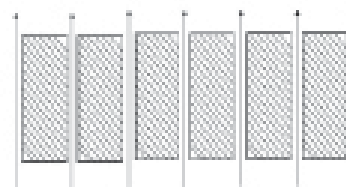


Fig. 2
Ventilation less efficient with Braid in horizontal position



CLOSELY BUNCHED ARRANGEMENT



OPEN ARRANGEMENT
Cooling due to convection current much more effective with spaced Braid

Fig. 3

Flexible Copper Braid Custom Designs

Flexible copper braid offers an economical and efficient means of protecting electrical equipment from the potentially harmful effects of shock and vibration, terminal expansion, movement of components and misalignment that may occur during the service life of the equipment.

Many varieties of braid are required to meet those needs which we can build to your specifications.

We also offer engineering assistance in the selection of the most appropriate standard or custom braid configuration for your application.

Custom Variations

Drilling

- * Undrilled
- * Elongated (slotted) holes
- * Special hole patterns and location
- * Metric
- * NEMA

Plating

- * Tin
- * Silver
- * Nickel
- * Unplated

Length

- * Jumper (overall)
- * Ferrule(s) contact

Insulated (covered)

- * Tubular
- * Heat shrink

Split Braid Assemblies

- * Stacked
- * Side-by-side

Multiple Ferrules

Preformed Configurations

- * Offset contact surfaces
- * Angular (e.g. 90°, 180°) bends
- * Ferrule contact surfaces rotated 90° on braid axis

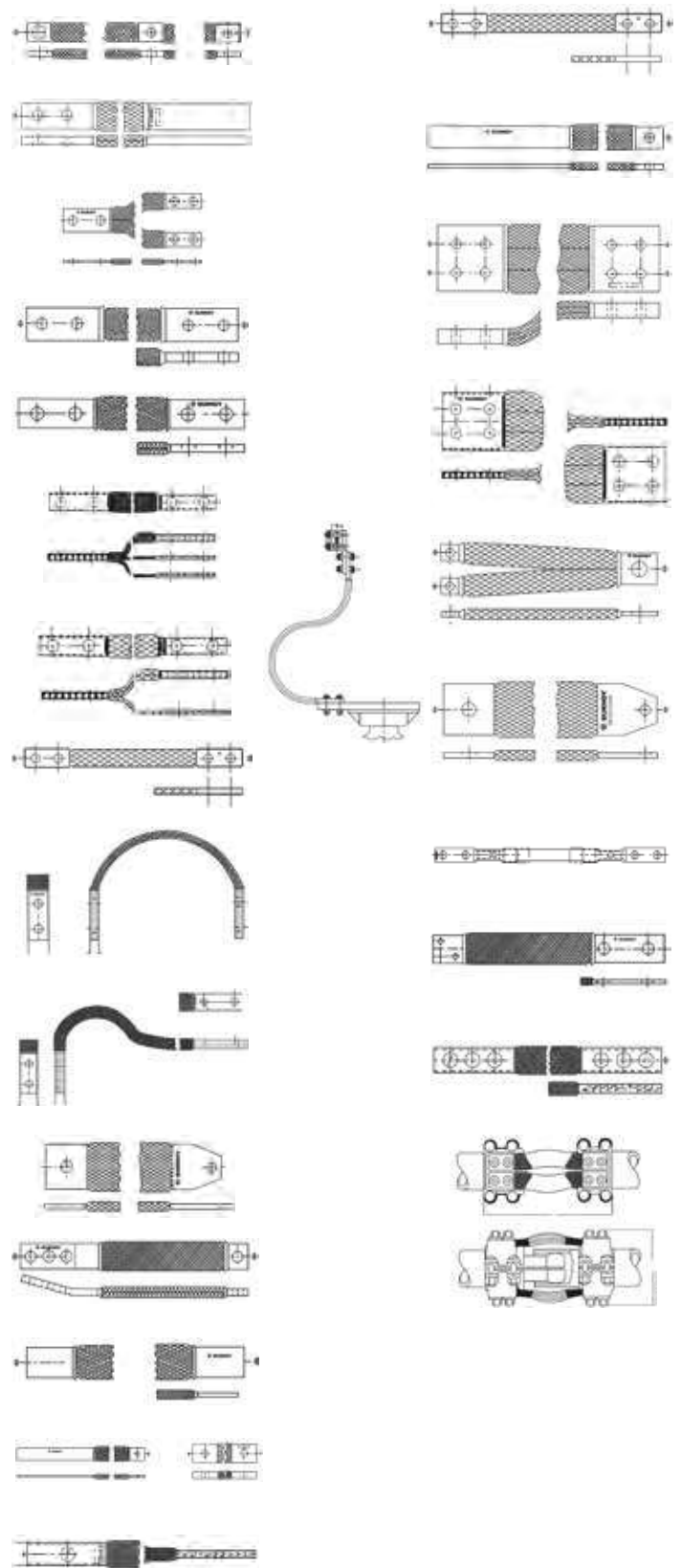
Combined Braid Assemblies

Combined connector - Braid Assemblies

Ferrule Variations

- * Belled/unbelled
- * Width/thickness
- * Contact length
- * Special shaping
- * Bent at angle°

High Ampacity Requirements



Type B 1-Hole Ferrule End

Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible tinned pure copper braid with high quality BURNDY ferrules on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.



Catalog Number	AWG Equivalent	Length (inches)	End Type	Stud Hole	Approximate Ampere Rating	
					Indoor	Outdoor
BB024L6T14*	#6 AWG	6.00	Ferrule	1/4	75	100
BB024L9T14*	#6 AWG	9.00	Ferrule	1/4	75	100
BB036L9T14*	#5 AWG	9.00	Ferrule	1/4	85	125
BB036L12T14*	#5 AWG	12.00	Ferrule	1/4	85	125
BB036L18T14*	#5 AWG	18.00	Ferrule	1/4	85	125
BB048L6T14*	#4 AWG	6.00	Ferrule	1/4	95	150
BB048L9T14*	#4 AWG	9.00	Ferrule	1/4	95	150
BB067L6T14	#2 AWG	6.00	Ferrule	1/4	110	180
BB067L9T14	#2 AWG	9.00	Ferrule	1/4	110	180
BD6T14	#1 AWG	6.00	Ferrule	1/4	190	225
BD9T14	#1 AWG	9.00	Ferrule	1/4	190	225
BE12T716	3/0 AWG	12.00	Ferrule	7/16	340	405
BE18T716	3/0 AWG	18.00	Ferrule	7/16	340	405
BE12T58	3/0 AWG	12.00	Ferrule	5/8	340	405
BE18T58	3/0 AWG	18.00	Ferrule	5/8	340	405
BE24T58	3/0 AWG	24.00	Ferrule	5/8	340	405
BE6T716	3/0 AWG	6.00	Ferrule	7/16	340	405
BF6T716	4/0 AWG	6.00	Ferrule	7/16	360	430
BF12T716	4/0 AWG	12.00	Ferrule	7/16	360	430
BF18T716	4/0 AWG	18.00	Ferrule	7/16	360	430
BG6T716	300 kcmil	6.00	Ferrule	7/16	415	495
BG8T716	300 kcmil	8.00	Ferrule	7/16	415	495
BG12T716	300 kcmil	12.00	Ferrule	7/16	415	495
BG12T12	300 kcmil	12.00	Ferrule	1/2	415	495

* Not CSA Certified

Type B 2-Hole Ferrule End

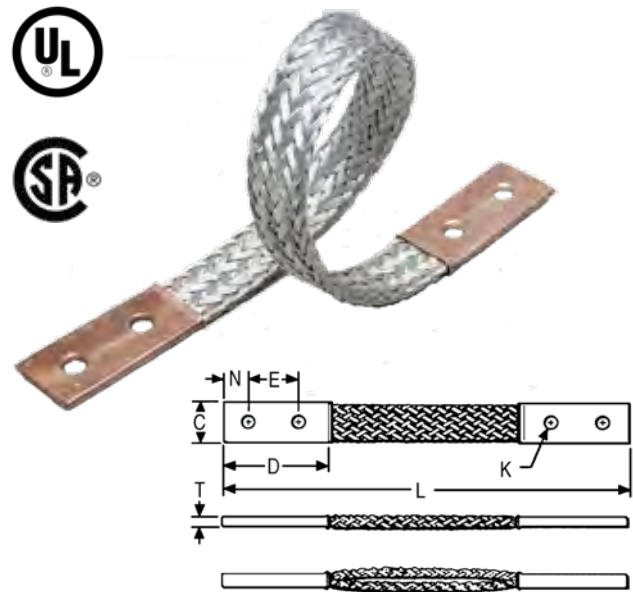
Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices.

Made of flat extra flexible, tinned, pure copper braid, with unplated, seamless, pure copper ferrules formed into a rectangular shape on each end.

Last two numbers in catalog number indicate total length of braid in inches (e.g., BD12N or BD12 is 12" long braid jumper).

Other lengths, plating and drilling are available. Contact the factory.

Catalog # Prefix	Equiv. AWG Size
BD	#1
BE	3/0
BF	4/0
BG	300 kcmil



Catalog Number	Number of Braids in Ferrules	C	D	E	K	L	N	T	Approximate Ampere Rating	
									Indoor	Outdoor
BD12 ②	1	0.94	2.50	1.25	0.44	12	0.62	0.13	190	225
BD12N ②	1	0.94	3.00	1.75	0.56	12	0.62	0.13	190	225
BD18 ②	1	0.94	2.50	1.25	0.44	18	0.62	0.13	190	225
BD18N ②	1	0.94	3.00	1.75	0.56	18	0.62	0.13	190	225
BD24 ②	1	0.94	2.50	1.25	0.44	24	0.62	0.13	190	225
BD24N ②	1	0.94	3.00	1.75	0.56	24	0.62	0.13	190	225
BE12 ②	1	1.50	3.00	1.50	0.44	12	0.75	0.17	340	405
BE12N ②	1	1.50	3.00	1.75	0.56	12	0.62	0.17	340	405
BE18 ②	1	1.50	3.00	1.50	0.44	18	0.75	0.17	340	405
BE18N ②	1	1.50	3.00	1.75	0.56	18	0.62	0.17	340	405
BE24 ②	1	1.50	3.00	1.50	0.44	24	0.75	0.25	340	405
BE24N ②	1	1.50	3.00	1.75	0.56	24	0.62	0.17	340	405
BF12 ②	1	1.19	3.00	1.50	0.44	12	0.75	0.25	360	430
BF12N ②	1	1.19	3.00	1.75	0.55	12	0.62	0.25	360	430
BF18 ②	1	1.19	3.00	1.50	0.44	18	0.75	0.25	360	430
BF18N ②	1	1.19	3.00	1.50	0.44	18	0.75	0.25	360	430
BF24 ②	1	1.19	3.00	1.50	0.44	24	0.75	0.25	360	430
BF24N ②	1	1.19	3.00	1.75	0.56	24	0.62	0.25	360	430
BG12	1	1.50	3.00	1.50	0.44	12	0.75	0.25	415	495
BG12N ①	1	1.50	3.00	1.75	0.56	12	0.62	0.25	415	495
BG18	1	1.50	3.00	1.50	0.44	18	0.75	0.25	415	495
BG18N ①	1	1.50	3.00	1.75	0.56	18	0.62	0.25	415	495
BG24	1	1.50	3.00	1.50	0.44	24	0.75	0.25	415	495
BG24N ①	1	1.50	3.00	1.75	0.56	24	0.62	0.25	415	495

① Tongue drilled per (2) hole NEMA Standard
 ② Certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards in addition to the UL467 Listing which all items above are Listed to.

NOTE: Equivalent sizes may be designated by suffix letters representing variations in length, mounting configurations, pad size and finish. Contact factory for details. For Tin plated ferrules add suffix -TN to the catalog number.

Type B (Continued)



Catalog Number	Number of Braids in Ferrules	C	D	E	K	L	N	T	Approximate Ampere Rating	
									Indoor	Outdoor
B2D12 ②	2	0.94	2.5	1.25	0.44	12	0.62	0.25	380	455
B2D12N ②	2	0.94	3.00	1.75	0.56	12	0.62	0.25	380	455
B2E12	2	1.62	3.00	1.50	0.44	12	0.75	0.25	530	635
B2E12N ①	2	1.62	3.00	1.75	0.56	12	0.62	0.25	530	635
B2F12	2	1.38	3.00	1.50	0.44	12	0.75	0.38	600	720
B2F12N ①	2	1.38	3.00	1.75	0.56	12	0.62	0.38	600	720
B2G12N ①	2	1.50	3.00	1.75	0.56	12	0.62	0.50	700	840
B3D12	3	1.19	2.50	1.25	0.44	12	0.62	0.25	470	560
B3D12N ②	3	1.19	3.00	1.75	0.56	12	0.62	0.25	470	560
B3E12	3	1.64	3.00	1.50	0.44	12	0.75	0.31	700	840
B3E12N ①	3	1.64	3.00	1.75	0.56	12	0.62	0.31	700	840
B3F12	3	1.44	3.00	1.50	0.44	12	0.75	0.56	820	980
B3F12N ①	3	1.44	3.00	1.75	0.56	12	0.62	0.56	820	980
B3G12	3	1.69	3.00	1.50	0.44	12	0.75	0.69	960	1150
B3G12N ①	3	1.69	3.00	1.75	0.56	12	0.62	0.69	960	1150
B4D12	4	1.19	2.50	1.25	0.44	12	0.62	0.32	600	720
B4D12N ①	4	1.19	3.00	1.75	0.56	12	0.62	0.32	600	720
B4E12	4	1.64	3.00	1.50	0.44	12	0.75	0.38	850	1020
B4E12N ①	4	1.64	3.00	1.75	0.56	12	0.62	0.38	850	1020
B4F12	4	1.50	3.00	1.50	0.44	12	0.75	0.78	1000	1200
B4F12N ①	4	1.50	3.00	1.75	0.56	12	0.62	0.78	1000	1200
B4G12N ①	4	1.69	3.00	1.75	0.56	12	0.62	0.94	1200	1440

① Tongue drilled per (2) hole NEMA Standard

② Certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards in addition to the UL467 Listing which all items above are Listed to.

NOTE:

Equivalent sizes may be designated by suffix letters representing variations in length, mounting configurations, pad size and finish. Contact factory for details. For Tin plated ferrules add suffix -TN to the catalog number.

Type BB-LT 1-Hole Connector End

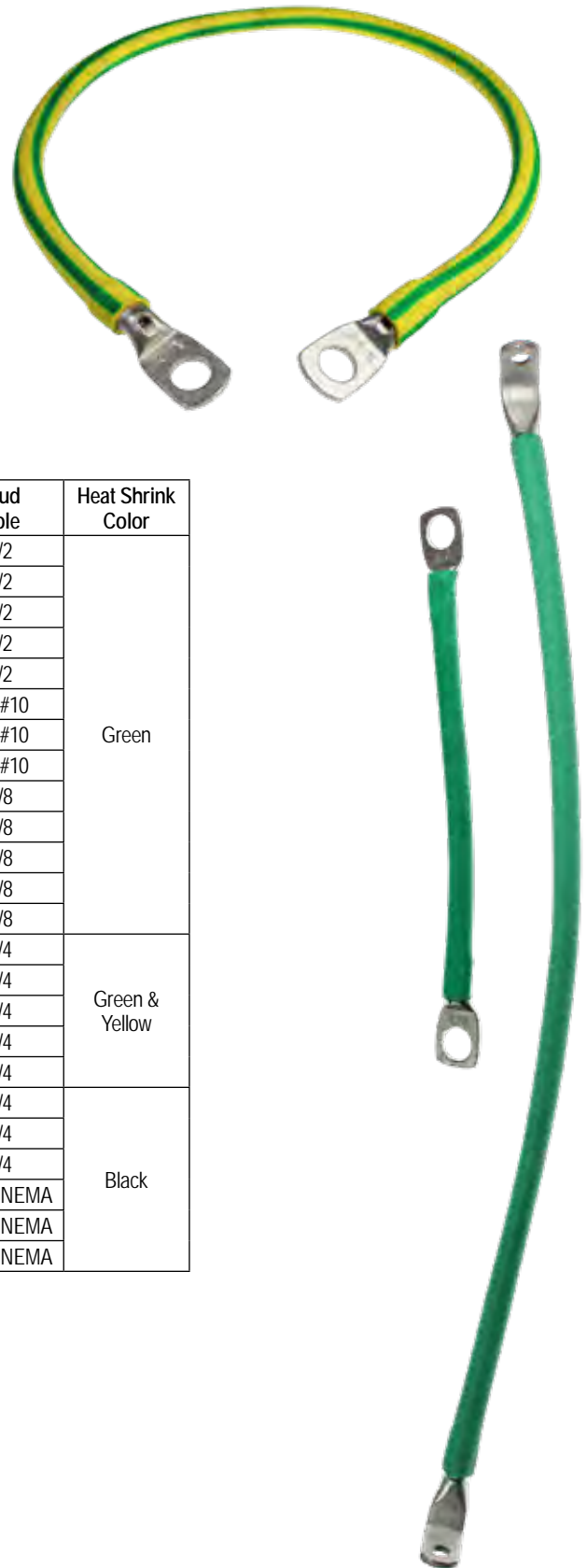
Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible tinned pure copper braid with high quality BURNDY tin plated connectors on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.



Catalog Number	AWG Equivalent	Length (inches)	End Type	Stud Hole
BB024L8LT14	#6 AWG	8.00	Connector	1/4
BB024L12LT14	#6 AWG	12.00	Connector	1/4
BB024L18LT14	#6 AWG	18.00	Connector	1/4
BB024L24LT14	#6 AWG	24.00	Connector	1/4
BB048L12LT14	#4 AWG	12.00	Connector	1/4
BB048L18LT14	#4 AWG	18.00	Connector	1/4
BB048L24LT14	#4 AWG	24.00	Connector	1/4
BB048L12LT38	#4 AWG	12.00	Connector	3/8
BB048L18LT38	#4 AWG	18.00	Connector	3/8
BB048L24LT38	#4 AWG	24.00	Connector	3/8
BB048L12LT12	#4 AWG	12.00	Connector	1/2
BB048L18LT12	#4 AWG	18.00	Connector	1/2
BB048L24LT12	#4 AWG	24.00	Connector	1/2

Types CCY, B-B Covered Jumpers

Insulated flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of extra flexible tinned pure copper braid with high quality BURNDY tin plated connectors or ferrules on each end. Other lengths, plating, insulation colors and connector sizes are available; contact BURNDY for more information.



Catalog Number	AWG Equivalent	Length (inches)	End Type	Stud Hole	Heat Shrink Color	
CCY106LT12G	#10 AWG	6.00	Connector	1/2	Green	
CCY10L9T12G		9.00		1/2		
CCY10L12T12G		12.00		1/2		
CCY10L18T12G		18.00		1/2		
CCY10L24T12G		24.00		1/2		
CCY10L12LT1090G		12.00		#8-#10		Green & Yellow
CCY10L18LT1090G		18.00		#8-#10		
CCY10L24LT1090G		24.00		#8-#10		
CCY10L6LT38G		6.00		3/8		
CCY10L9LT38G		9.00		3/8		Black
CCY10L12LT38G	12.00	3/8				
CCY10L18LT38G	18.00	3/8				
CCY10L24LT38G	24.00	3/8				
CCY10L7T14GY	#10 AWG	7.00	Connector	1/4		
CCY10L9T14GY		9.00		1/4		
CCY10L12LT14GY		12.00		1/4		
CCY10L14LT14GY		14.00		1/4		
CCY10L18LT14GY		18.00		1/4		
BB024L12LT14B	#6 AWG	12.00	Connector	1/4		
BB024L18LT14B		18.00		1/4		
BB024L24LT14B		24.00		1/4		
BD12NB	#1 AWG	12.00	Ferrule	2 hole NEMA		
BD18NB		18.00		2 hole NEMA		
BD24NB		24.00		2 hole NEMA		

Type BB-SS Stainless Steel Braid

Flexible stainless steel braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible stainless steel braid with high quality BURNDY tin plated connectors or ferrules on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.



Catalog Number	AWG Equivalent	Length (inches)	End Type	Stud Hole
BB024SSL6LT516	#6 AWG	6.00	Connector	5/16
BB024SSL9LT516		9.00		5/16
BB024SSL12LT516		12.00		5/16
BB024SSL6LT38		6.00		3/8
BB024SSL9LT38		9.00		3/8
BB024SSL12LT38		12.00		3/8
BB024SSL6LT14		6.00		1/4
BB024SSL9LT14		9.00		1/4
BB024SSL12LT14		12.00		1/4
BB024SSL6T14		6.00		Ferrule	1/4

Type B Undrilled Ferrules

Undrilled seamless pure copper ferrules are supplied with scored lines and dimples. Scored lines locate the center of the ferrule and prevent the drill from walking when drilling in this area. Dimples at the end of the scored lines represent the location of the NEMA standard hole spacing. Drill the holes you need, where you need them, using the supplied guide and the cULus Listing is retained. BURNDY undrilled braids offer a field flexible solution for almost any application!



* Add TN to the end of catalog number for tinplated ferrules

Features & Benefits

- cULus **before** drilling — cULus **after** drilling!
- Designed for unparallel field flexibility allowing custom ferrule drilling for specific applications while maintaining UL Listing
- Undrilled seamless pure copper ferrules supplied with scored lines and 'dimples' at the end representing the location of the NEMA standard hole spacing
- Scored lines locate the center of ferrule and prevent the drill from walking when drilling in this area
- Flexible copper braid jumpers take up linear expansion and contraction to compensate for movement of electrical equipment and devices

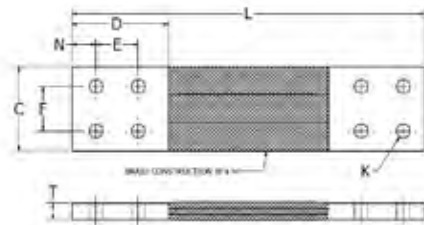
Catalog Number	AWG Equivalent	Length (inches)	Ferrule Width (inches)	Approximate Ampere Rating	
				Indoor	Outdoor
BD12N2U	#1 AWG	12"	.94	190	225
BD18N2U	#1 AWG	18"	.94	190	225
BD24N2U	#1 AWG	24"	.94	190	225
BD36N2U	#1 AWG	36"	.94	190	225
BE12N2U	3/0 AWG	12"	1.50	340	405
BE18N2U	3/0 AWG	18"	1.50	340	405
BE24N2U	3/0 AWG	24"	1.50	340	405
BE36N2U	3/0 AWG	36"	1.50	340	405
BF12N2U	4/0 AWG	12"	1.19	360	430
BF18N2U	4/0 AWG	18"	1.19	360	430
BF24N2U	4/0 AWG	24"	1.19	360	430
BF36N2U	4/0 AWG	36"	1.19	360	430
BG12N2U	300 kcmil	12"	1.50	415	495
BG18N2U	300 kcmil	18"	1.50	415	495
BG24N2U	300 kcmil	24"	1.50	415	495
BG36N2U	300 kcmil	36"	1.50	415	495

* Add TN to the end of catalog number for tin plated ferrules

Type B-4N, For use in Power Distribution Applications Braid with 4-hole NEMA Pad

Designed with a large cross sectional area and stacked layers of flexible braid material, these braids can accommodate high current applications. These braids are often found in substation applications, where they are used as a flexible connection between two rigid bus lengths. Braids are commonly used in applications where thermal expansion and contraction between rigid parts exist, components are misaligned, and in environments that have frequent vibration or shock.

Due to different stranding size and orientation, braid has been found to have a greater amperage rating when compared to typical conductors ratings set forth by the National Electric Code (NEC). The finer stranding in our braid, with more air pockets, allows for better heat dissipation with more surface area exposed to ambient air. Our ferrule-style braids offer a heavy duty contact area for more rigorous grounding and power applications.



Catalog Number	L	C	D	E	F	K	T	N	Braid Construction (W X H)	Cross Sectional Area		Approx. Ampere Rating *		
										kcmil	mm ²	Δ 30°C	Δ 45°C	Δ 60°C
B22F184N	18	3	3	1.75	1.75	0.56	0.44	0.63	2 x 2	921	467	945	1135	1290
B22F244N	24													
B22F364N	36													
B22G184N	18	3	3	1.75	1.75	0.56	0.56	0.63	2 x 2	1228	622	1165	1400	1585
B22G244N	24													
B22G364N	36													
B23F184N	18	3	3	1.75	1.75	0.56	0.62	0.63	2 x 3	1382	700	1230	1475	1670
B23F244N	24													
B23F364N	36													
B23G184N	18	3	3	1.75	1.75	0.56	0.65	0.63	2 x 3	1843	934	1520	1825	2065
B23G244N	24													
B23G364N	36													
B24F184N	18	3	3	1.75	1.75	0.56	0.65	0.63	2 x 4	1843	934	1495	1795	2035
B24F244N	24													
B24F364N	36													
B24G184N	18	3	3	1.75	1.75	0.56	0.70	0.63	2 x 4	2457	1245	1865	2235	2530
B24G244N	24													
B24G364N	36													

*Approximate ampere ratings are calculated values based on a free air environment with a 30°C ambient temperature. These ratings are approximate and vary with ambient conditions, orientation of the braid, and other service conditions.

Add -TN suffix for tin-plated ferrules

All shown have pad drilled per 4-hole NEMA standard. Other lengths, pad sizes, hole patterns and finishes are available. Please contact the factory for details.

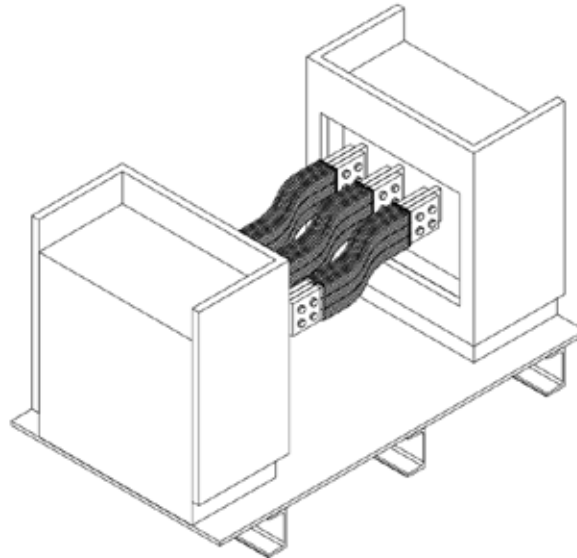
Type B-4N (Continued)

Catalog Number	L	C	D	E	F	K	T	N	Braid Construction (W X H)	Cross Sectional Area		Approx. Ampere Rating *		
										kcmil	mm ²	Δ 30°C	Δ 45°C	Δ 60°C
B32F184N	18	4	4	1.75	1.75	0.56	0.50	1.12	3 x 2	1382	700	1330	1595	1810
B32F244N	24													
B32F364N	36													
B32G184N	18	4	4	1.75	1.75	0.56	0.56	1.12	3 x 2	1843	934	1635	1965	2220
B32G244N	24													
B32G364N	36													
B33F184N	18	4	4	1.75	1.75	0.56	0.65	1.12	3 x 3	2073	1050	1720	2065	2335
B33F244N	24													
B33F364N	36													
B33G184N	18	4	4	1.75	1.75	0.56	0.87	1.12	3 x 3	2764	1401	2045	2455	2775
B33G244N	24													
B33G364N	36													

*Approximate ampere ratings are calculated values based on a free air environment with a 30°C ambient temperature. These ratings are approximate and vary with ambient conditions, orientation of the braid, and other service conditions.

Add -TN suffix for tin-plated ferrules

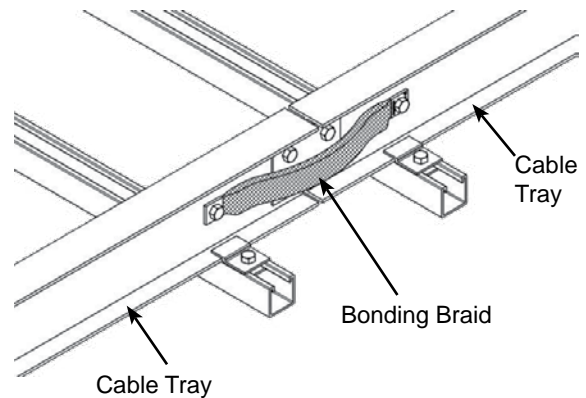
All shown have pad drilled per 4-hole NEMA standard. Other lengths, pad sizes, hole patterns and finishes are available. Please contact the factory for details.



Cable Tray Bonding Straps

BURNDY Cable Tray Bonding Straps are used to create an electrical bonding connection between two sections of cable tray to ensure a continuous path to ground.

NEC Article 250.96 requires all metallic cable trays to be grounded regardless of whether or not the cable tray is being used as an equipment grounding conductor (EGC).



Minimum Size Equipment Grounding Conductors for Grounding Raceway and Equipment (excerpt of NEC Table 250.122)		
Rating or Setting of Automatic Overcurrent Device in Circuit Ahead of Equipment, Conduit, etc., Not Exceeding (Amperes)	Size (AWG or kcmil)	
	Copper	Aluminum or Copper-Clad Aluminum*
200	6	4
300	4	2
400	3	1
500	2	1/0
600	1	2/0
800	1/0	3/0
1000	2/0	4/0
1200	3/0	250
1600	4/0	350
2000	250	400

NOTE: Where necessary to comply with 250.4(A)(5) or (B)(4), the equipment grounding conductor shall be sized larger than given in this table.

*See installation restrictions in 250.120

BURNDY Cable Tray Bonding Straps					
Catalog Number	Overcurrent Protection Device Rating (Amperes)	** AWG Size or Equivalent	** Length (inches)	** Stud Size	Type†
BB048L12T38	300	#4	12	3/8"	Braid
BB067L12T38	500	#2	12	3/8"	Braid
BD12T38	600	#1	12	3/8"	Braid
CY1CL14D50LT38	600	#1	14.5	3/8"	Jumper
BE12T716	1000	2/0	12	7/16"	Braid
BF12T716	1600	4/0	12	7/16"	Braid
BG12T12	2000	250 kcmil	12	1/2"	Braid

**Other lengths, hole sizes, and AWG sizes or equivalents may be available, contact Customer Service

† Jumpers are manufactured using stranded bare copper code conductor with BURNDY UL Listed compression connectors on each end; Braid is manufactured of tinned, pure copper wire woven and flattened into rectangular shape for greater flexibility; ends of braids feature seamless copper ferrules.

Type BGRK Grounding Kits

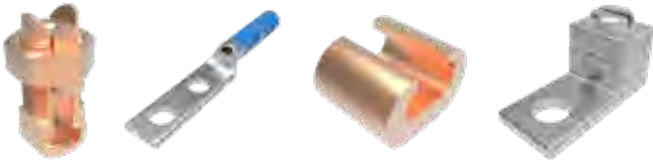
BURNDY Grounding kits offer conveniently packaged components which simplify the decision making process at material acquisition and installation on the job site. These grounding kits bundle the same quality UL Listed connectors you trust with value-adding components such as: conductor, installation hardware, oxide inhibitor, labeling and installation instructions as an example. The kits are available in different variations with customized kits available upon request.

Features & Benefits

- Conveniently packaged for ease of procurement and installation
- Comprised of UL Listed components
- Wire brush free when installed with Telecom WEEB® washer
- TIA607 Compliant

6 AWG Ground Wire Kit Contents

Connectors (SERVIT® split bolt, HYDENT™ terminal, HYGROUND® C-style connector, or mechanical terminal)



Conductors (6 AWG THHN wire, green PVC coated and/or Busbar)



Labels (Caution labels, circle grounding symbol)



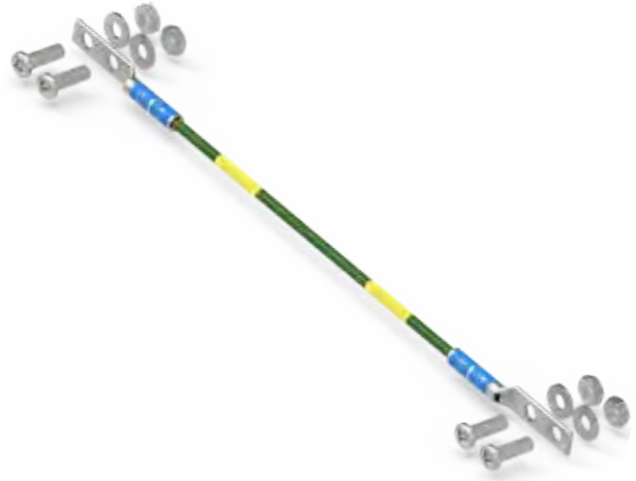
Hardware (Installation Hardware, Cable Ties, ESD Port Kit)



Oxide Inhibitor (0.5 oz tube of PENETROX™ A)



Ground Kit Example:



Application Example:
On-Rail Busbar Grounding Kit
Catalog Number:
BGRKTHC



Type BGRK

(Continued)



On-Rail Busbar Grounding Kit

Catalog Number	Contents:
BGRKTHC	19" Busbar with insulators
	60" of #6 AWG THHN wire, green PVC coated
	YAZ6C2TC14 terminal (precrimped)
	Busbar hardware kit
	ESD port kit
	8" black cable management straps
	Caution and Grounding labels
	0.5 oz. PENETROX™ A oxide inhibitor

Application Example:
On-Rail Busbar Grounding Kit
Catalog Number: BGRKTHC



In Cabinet Busbar Grounding Kit

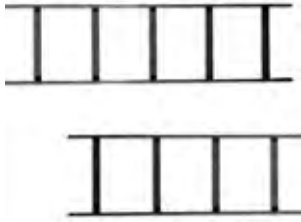
Catalog Number	Contents:
BGRKTVC	36" Busbar
	60" of #6 AWG THHN wire, green PVC coated
	YAZ6C2TC14 terminal (precrimped)
	Busbar hardware kit
	ESD port kit
	8" black cable management straps
	Caution and Grounding labels
	0.5 oz. PENETROX™ A oxide inhibitor

Application Example:
In Cabinet Busbar Grounding Kit
Catalog Number: BGRKTVC



Type BGRK

(Continued)



Ladder and Tray Grounding Kit

Catalog Number	Contents:
BGRKTKA9KA5	9" #6 AWG THHN wire, green PVC coated (9 pieces)
	KA6U mechanical terminal (10 pieces)
	Ground Kit Installation Hardware
	Caution and Grounding labels
	0.5 oz. PENETROX™ A oxide inhibitor



Catalog Number:
BGRKTKA9KA5



Wire Basket Tray Bonding Jumper Kit

Catalog Number	Contents:
BGRKTWB5	9" #6 AWG THHN wire, green PVC coated (9 pieces)
	KS23 mechanical SERVIT® split bolt (10 pieces)
	Ground Kit Installation Hardware
	Caution and Grounding labels



Catalog Number:
BGRKTWB5

Type BGRK

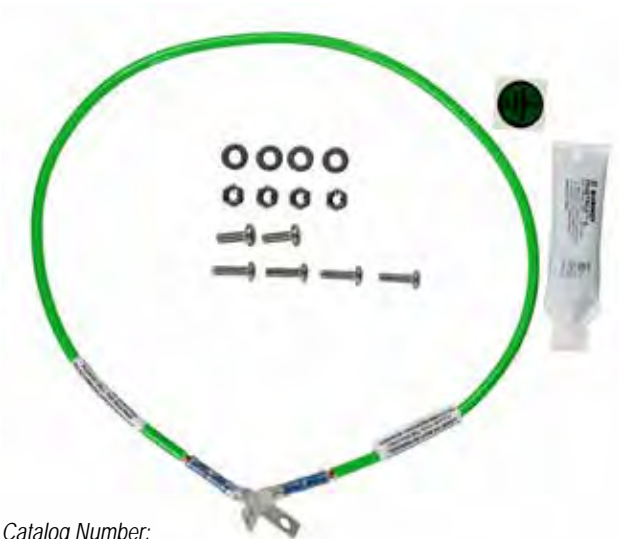
(Continued)

Ground Conductor / Jumper Kits

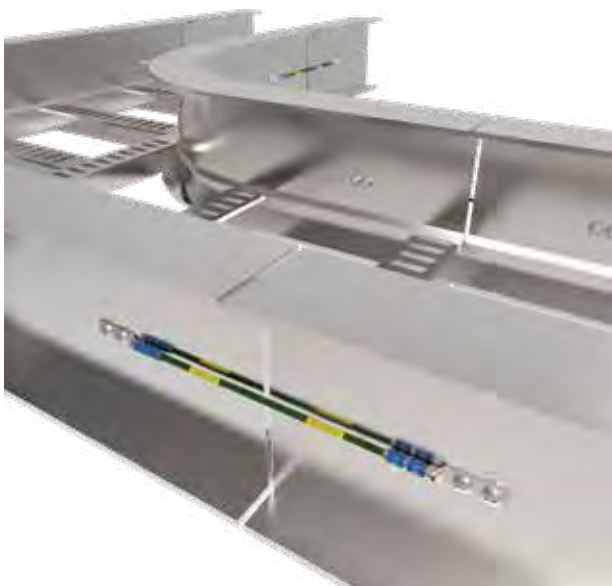
Catalog Number	Contents:
BGRKTD9D	9" #6 AWG THHN wire, green PVC coated
	YAZ6C2TC14 HYDENT™ terminals precrimped to each end of conductor
	Ground Kit Installation Hardware
	Caution and Grounding labels
	0.5 oz. PENETROX™ A oxide inhibitor
BGRKTD30DN	30" #6 AWG THHN wire, green PVC coated
	YAZ6C2TC14 HYDENT™ terminals precrimped to one end of conductor
	YAZ6C2TC1490 HYDENT™ terminals precrimped to other end of conductor
	Ground Kit Installation Hardware
	Caution and Grounding labels
BGRKTD60C46	60" #6 AWG THHN wire, green PVC coated
	YAZ6C2TC14 HYDENT™ terminal precrimped to one end of conductor
	YC4C6 Copper CRIMPIT™ connector precrimped to the other end of conductor
	Ground Kit Installation Hardware
	Caution and Grounding labels
	0.5 oz PENETROX™ A oxide inhibitor



Catalog Number:
BGRKTD9D



Catalog Number:
BGRKTD30DN



Catalog Number:
BGRKTD60C46

Type BBB Copper Bus Bar

Bare copper BusBar, UL Listed for grounding. Available in many sizes and hole patterns. Brackets and insulators included with most styles. Also available in undrilled, horizontal and vertical versions. BusBar is used in a variety of applications. Can be used as a common ground point and “power” applications as well.

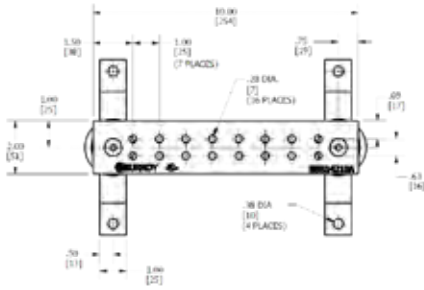
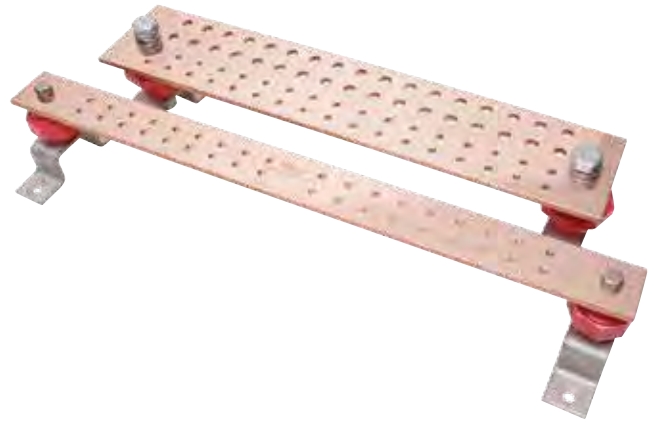


Figure 1

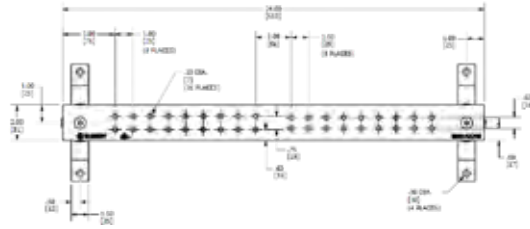


Figure 2

Catalog Number	Fig No.	T - Bar Thickness	W - Bar Width	L - Bar Length	E1	E2	E3	F1	F2	No. of Holes	K
BBB14210A	1	1/4"	2 in	10"	0.63	—	—	1.00	—	16	0.28
BBB14224B	2	1/4"	2 in	24"	0.62	0.75	—	1.00	1.00	36	0.28
BBB14410C	3	1/4"	4 in	10"	0.75	1.00	—	1.25	—	22	0.44
BBB14410D	4	1/4"	4 in	10"	1.25	1.00	—	1.13	1.13	22	0.44
BBB14412E	5	1/4"	4 in	12"	0.75	1.00	—	2.00	1.25	18	0.44
BBB14412F	6	1/4"	4 in	12"	1.00	0.75	—	2.00	1.25	24	0.44
BBB14416G	7	1/4"	4 in	16"	0.75	1.00	—	1.69	—	24	0.44
BBB14416H	8	1/4"	4 in	16"	1.00	1.00	0.75	1.69	—	32	0.44
BBB14420J	9	1/4"	4 in	20"	1.00	1.00	0.75	1.00	—	68	0.44
BBB412UD	—	1/4"	4 in	12"	N/A	N/A	N/A	N/A	N/A	0	—
BBB424UD	—	1/4"	4 in	24"	N/A	N/A	N/A	N/A	N/A	0	—
BBBHR19**	—	3/16"	3/4 in	19"	0.38	—	—	—	—	8	—
BBBVR36**	—	1/4"	5/8 in	36"	0.32	—	—	—	—	16	—

* Contact factory for custom sizes.

NOTE:

**BBBHR19 and BBBVR36 do not include insulator and brackets.
For separately ordering Insulator & Brackets use catalog number B38723000.

Type BBB (Continued)

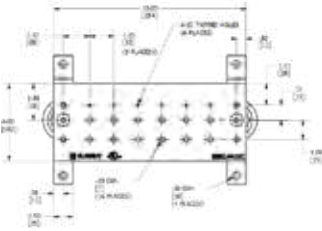


Figure 3

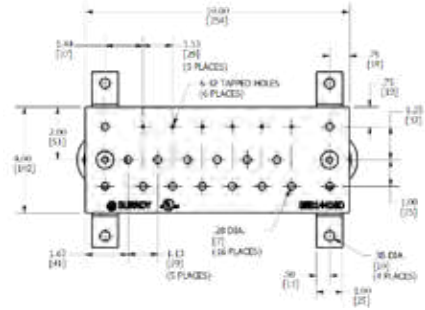


Figure 4

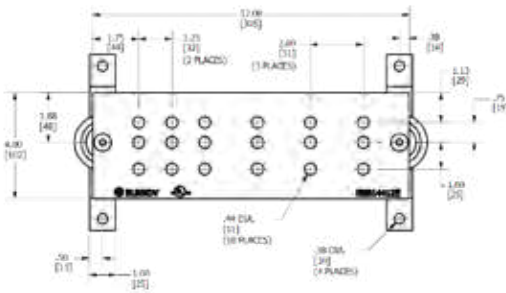


Figure 5

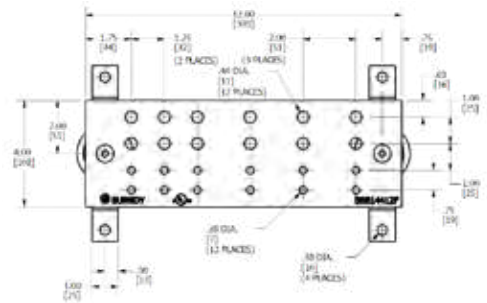


Figure 6

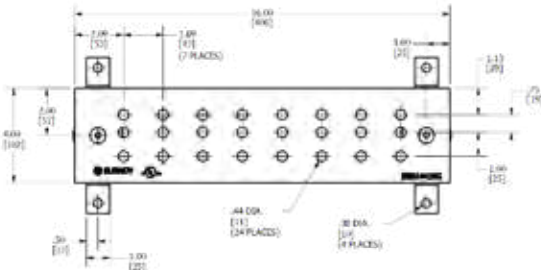


Figure 7

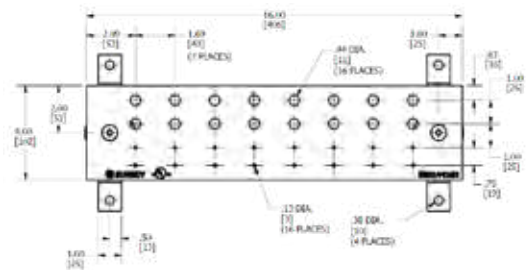


Figure 8

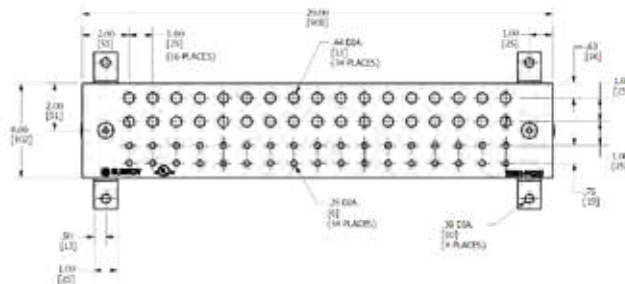


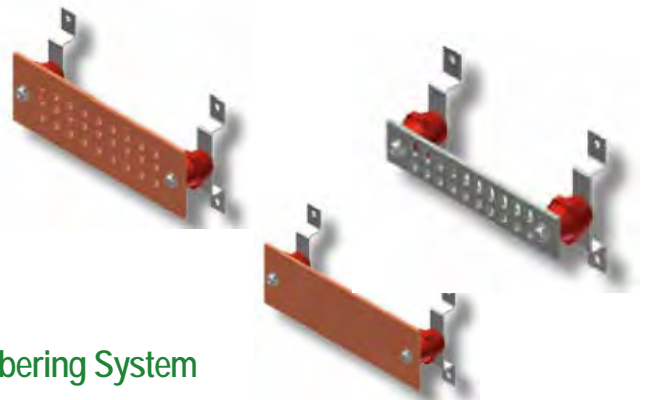
Figure 9

Mechanical Grounding

Copper, Tinned Copper and Stainless Steel Bus or Ground Bar

Bus or Ground Bars

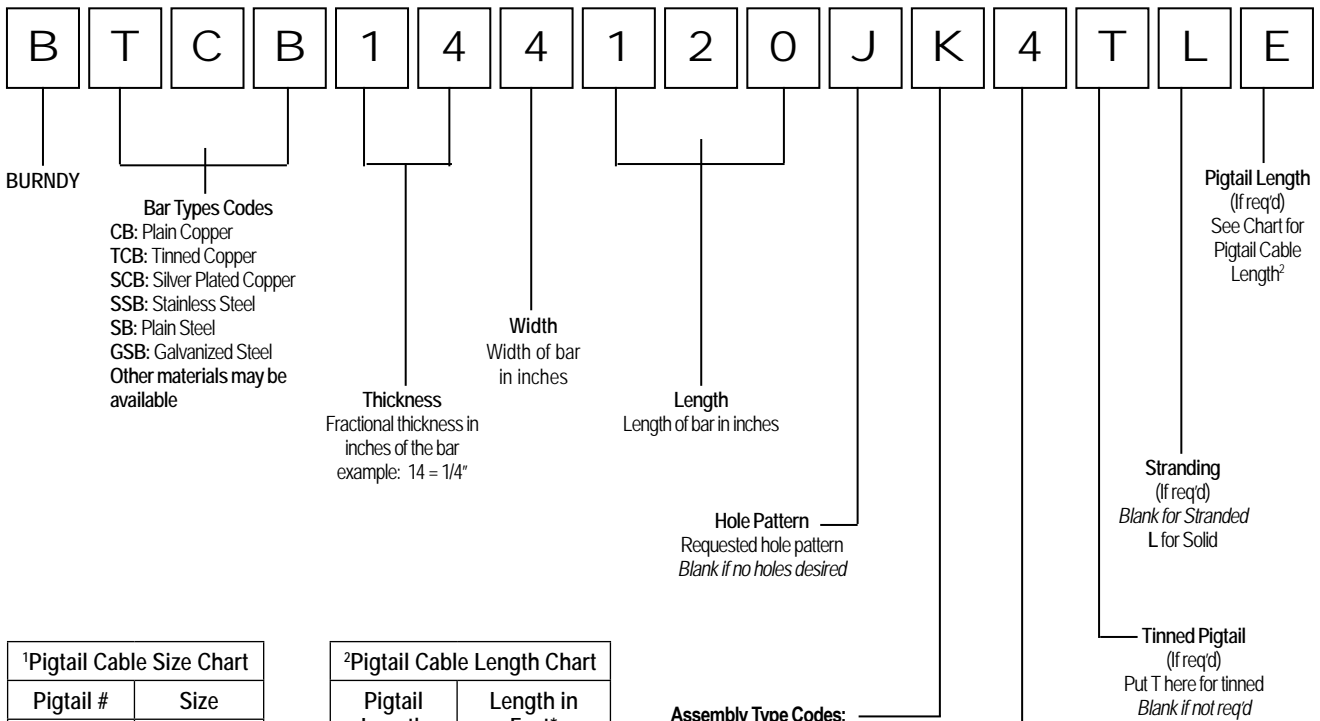
Copper, Tinned Copper, and Stainless Steel Bus or Ground Bar



cULus Listed bus or ground bars are available in a wide variety of configurations, hole and slot patterns, unplated copper, tin plated or stainless steel. These bars are available with or without brackets and insulators, a plexiglass cover is also available. For special applications necessitating a non-standard configuration, please contact Customer Service or your local sales representative..

Bus or Ground Bar Numbering System

Below is a guide on how to understand the ground bar numbering system. Each character of the catalog number represents specific details of our bars. Please note that other sizes, materials, and options may be available. Contact Customer Service or your local sales representative for more information.



Pigtail #	Size
1	#6
2	#4
3	250 kcmil
4	#2
5	#1
6	1/0
7	2/0
8	500 kcmil
9	4/0

Pigtail Length	Length in Feet*
A	2'
B	5'
C	10'
D	15'
E	20'
F	25'
G	30'
H	35'

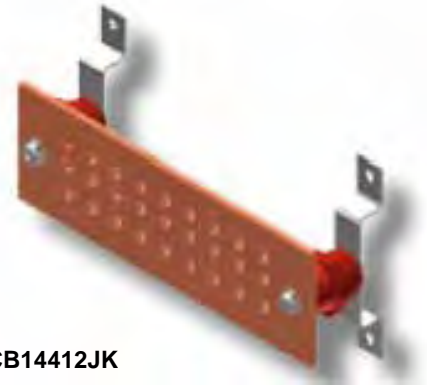
*Custom lengths available
 Contact the factory for more information

Types BCB, BTCB, BSSB

Copper, Tinned Copper, and Stainless Steel
Bus or Ground Bar



cULus Listed bus or ground bars are available in a wide variety of configurations, hole and slot patterns, unplated copper, tin plated or stainless steel. These bars are available with or without brackets and insulators, a plexiglass cover is also available. For special applications necessitating a non-standard configuration, please contact Customer Service or your local sales representative..



BCB14412JK



BCB14412NK



BCB14212BK



BTCB14210PK



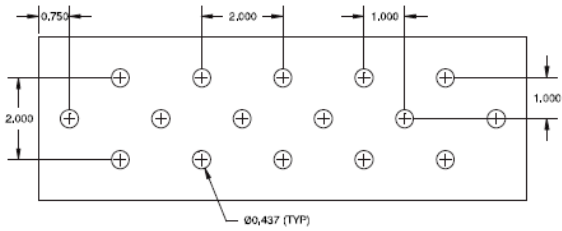
BCB14412JP

Catalog Number	Hole Pattern	Insulator & Bracket	Tinned	Bar Size	# of Holes
BCB14412JK	J	Yes	No	1/4" x 4" x 12"	27
BCB14412M	M	No	No	1/4" x 4" x 12"	48
BCB14412MK	M	Yes	No	1/4" x 4" x 12"	48
BCB14210P	P	No	No	1/4" x 2" x 10"	26
BCB14210PK	P	Yes	No	1/4" x 2" x 10"	26
BCB14212P	P	No	No	1/4" x 2" x 12"	26
BCB14212PK	P	Yes	No	1/4" x 2" x 12"	26

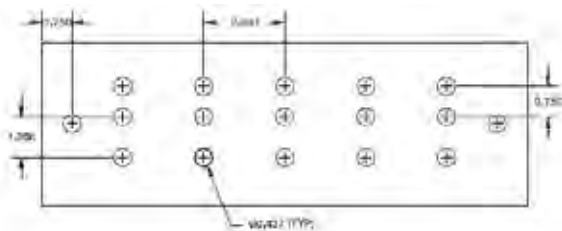
Mechanical Grounding

Copper, Tinned Copper and
Stainless Steel Bus or Ground Bar

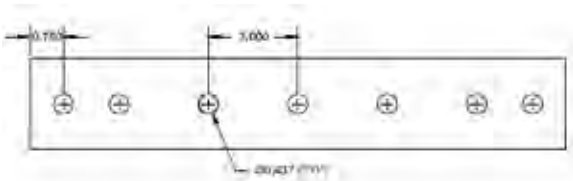
Types BCB, BTCB, BSSB (Continued)



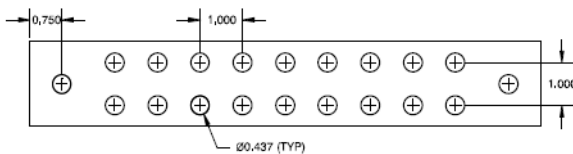
Pattern A



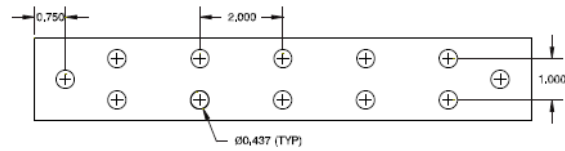
Pattern C



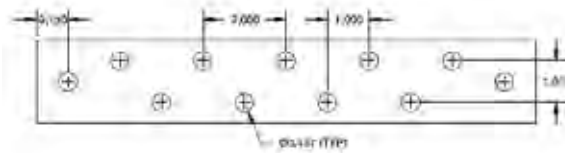
Pattern E



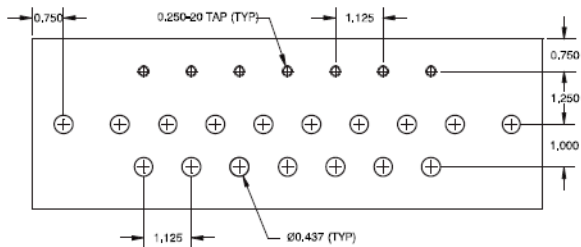
Pattern G



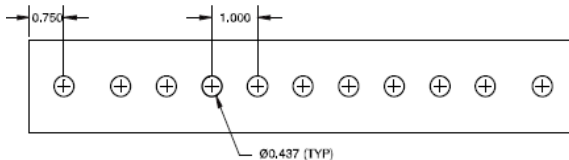
Pattern B



Pattern D



Pattern F



Pattern H

NOTES:

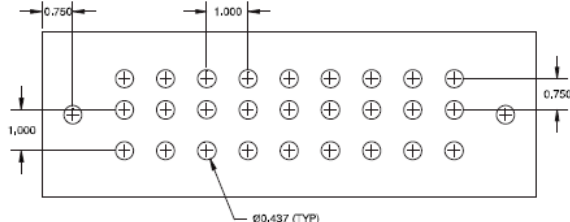
- All holes are 7/16" unless specified differently. To order threaded holes, specify hole size; the standard tapped hole size is 1/4"-20 unless specified otherwise
- Above bar patterns represent a 12" ground bar
- All bars are available with electro-tin plating

Type BCB (Continued)

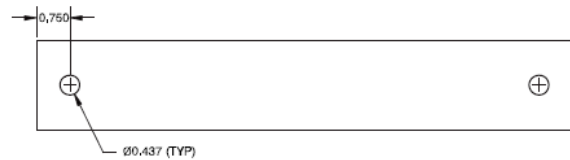
NOTE:



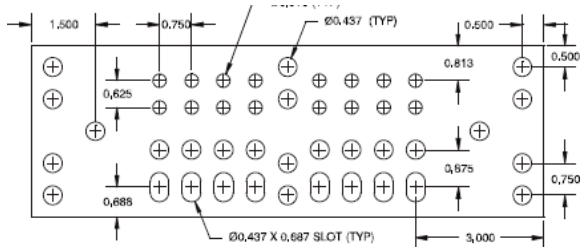
For telecom ground bars - see Pattern S (next pages)



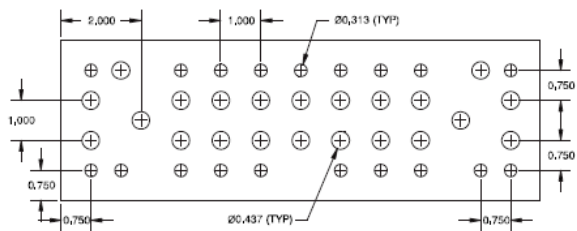
Pattern J



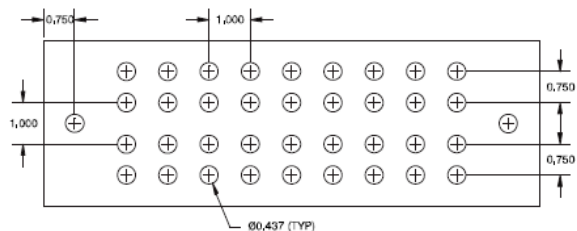
Pattern N



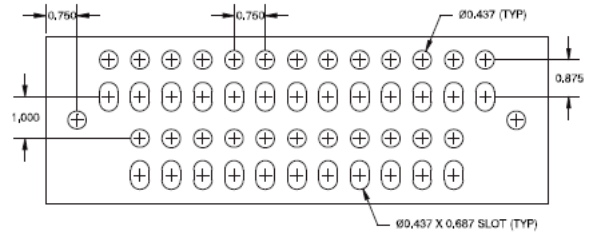
Pattern Q



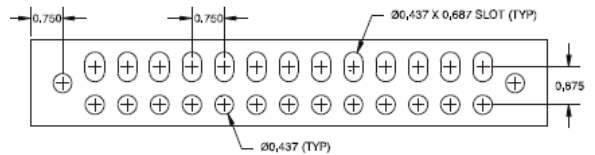
Pattern T



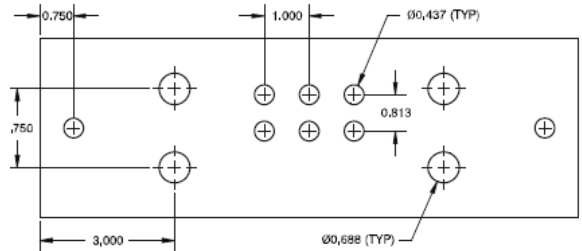
Pattern W



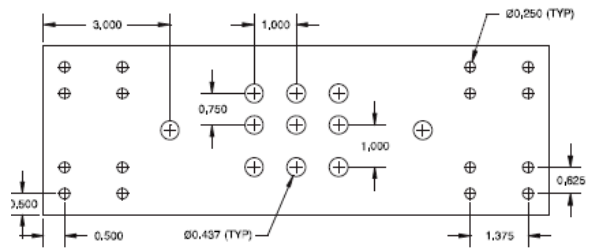
Pattern M



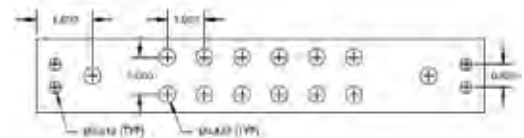
Pattern P



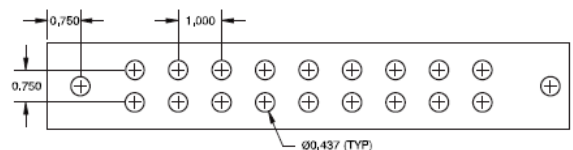
Pattern R



Pattern V



Pattern X



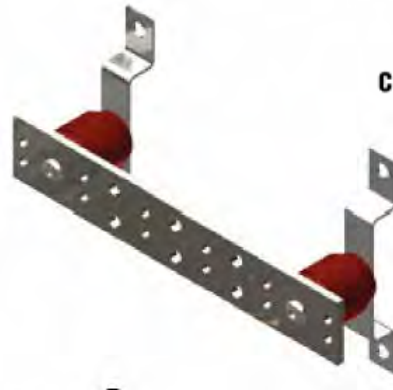
Pattern Z

Mechanical Grounding

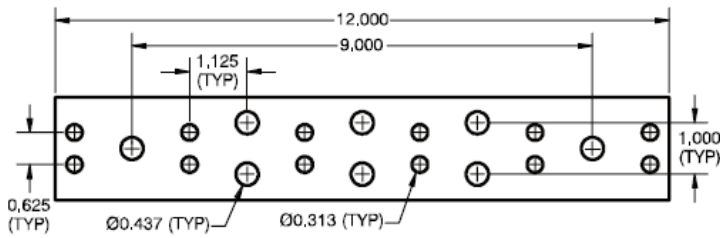
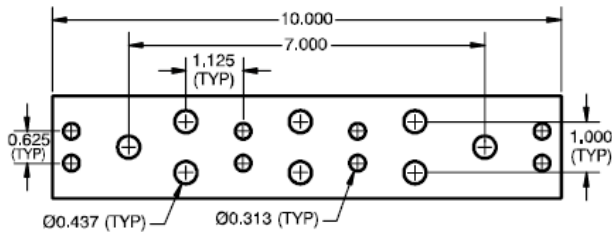
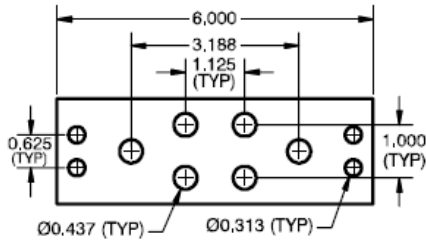
Type BCB (Pattern S)
2" Telecom Bus or Ground Bar

Type BCB (Pattern S) 2" Telecom Bus or Ground Bar

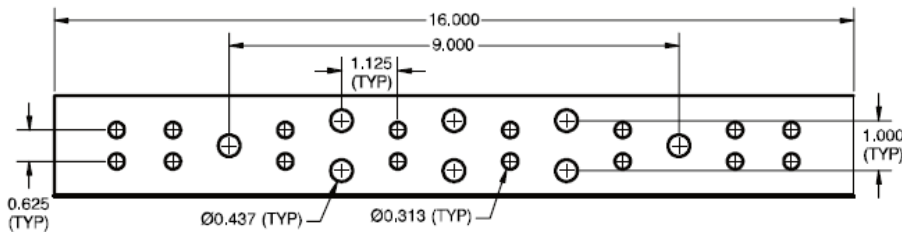
Catalog numbers as shown below are for the BAR ONLY; if you would like the kit (includes brackets and insulators) add K to the end of the catalog number (example shown to the right).



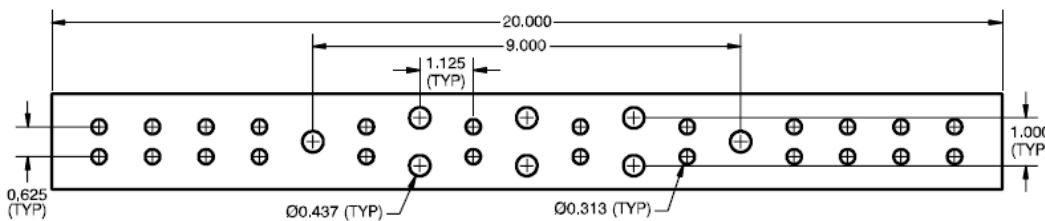
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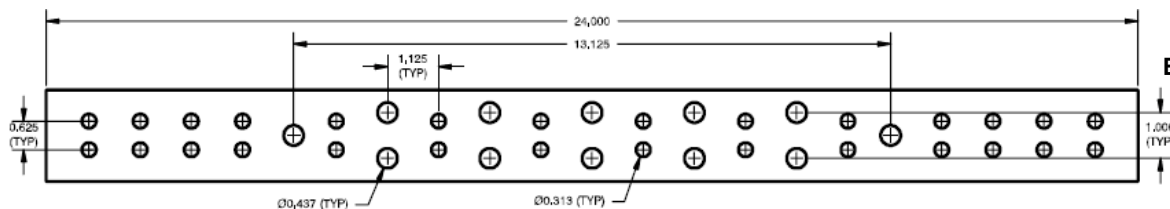
BCB14212S



BCB14216S



BCB14220S



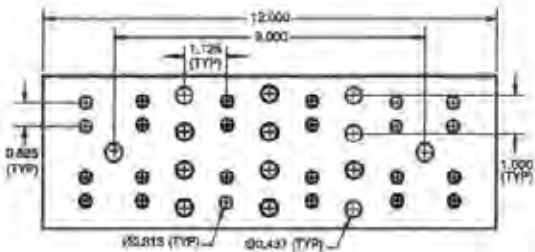
BCB14224S

Type BCB (Pattern S)
4" Telecom Bus or Ground Bar

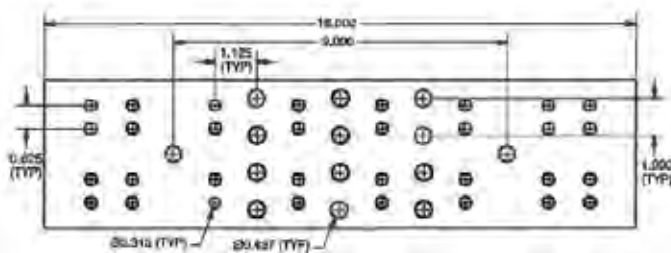
Catalog numbers as shown below are for the BAR ONLY; if you would like the kit (includes brackets and insulators) add K to the end of the catalog number (example shown to the right).



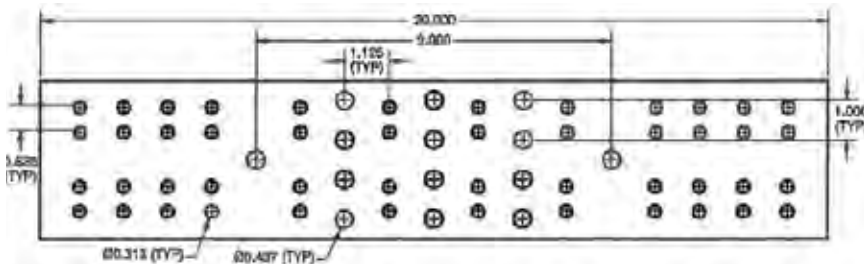
BCB14412SK



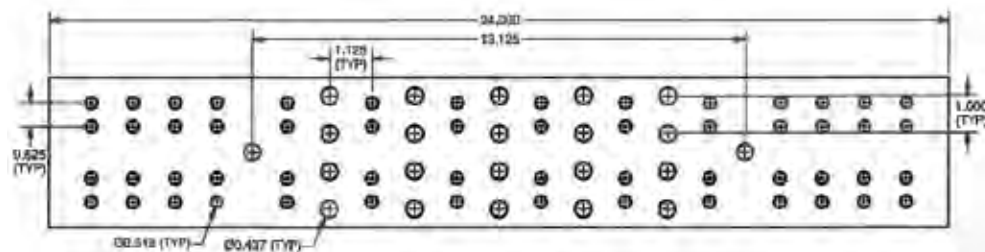
BCB14412S



BCB14416S



BCB14420S



BCB14424S

Mechanical Grounding

Type BCB (Patterns J and M)
Ground Bar

Type BCB (Patterns J and M) Ground Bar



Pattern J				
Catalog Number	Description	Tinned	Bar Size	# of Holes
BCB14412J	Bar Only	No	1/4" x 4" x 12"	27
BTCB14412J		Yes	1/4" x 4" x 12"	27
BCB14412JK	Bar with Insulators & Brackets	No	1/4" x 4" x 12"	27
BTCB14412JK		Yes	1/4" x 4" x 12"	27
BCB14420J	Bar Only	No	1/4" x 4" x 20"	51
BTCB14420J		Yes	1/4" x 4" x 20"	51
BCB14420JK	Bar with Insulators & Brackets	No	1/4" x 4" x 20"	51
BTCB14420JK		Yes	1/4" x 4" x 20"	51
BCB14424J	Bar Only	No	1/4" x 4" x 24"	63
BTCB14424J		Yes	1/4" x 4" x 24"	63
BCB14424JK	Bar with Insulators & Brackets	No	1/4" x 4" x 24"	63
BTCB14424JK		Yes	1/4" x 4" x 24"	63

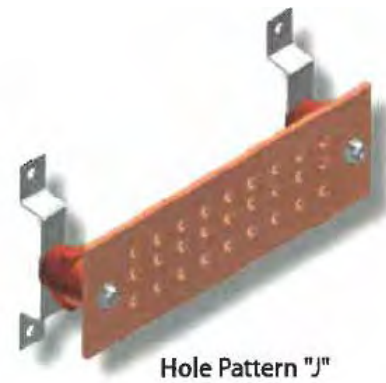
NOTES:

- Mounting holes not included in total
- Accommodates 2-hole lugs spaced 3/4", 1", and 1-3/4" on center
- 12" bar pictures; holes are 7/16" diameter
- Bars available electro-tin plated; with pigtailed, tamper proof bolts, plexiglass cover
- Other sizes available, contact factory for details

Pattern M				
Catalog Number	Description	Tinned	Bar Size	# of Holes
BCB14412M	Bar Only	No	1/4" x 4" x 12"	48
BTCB14412M		Yes	1/4" x 4" x 12"	48
BCB14412MK	Bar with Insulators & Brackets	No	1/4" x 4" x 12"	48
BTCB14412MK		Yes	1/4" x 4" x 12"	48
BCB14420M	Bar Only	No	1/4" x 4" x 20"	88
BTCB14420M		Yes	1/4" x 4" x 20"	88
BCB14420MK	Bar with Insulators & Brackets	No	1/4" x 4" x 20"	88
BTCB14420MK		Yes	1/4" x 4" x 20"	88
BCB14424M	Bar Only	No	1/4" x 4" x 24"	112
BTCB14424M		Yes	1/4" x 4" x 24"	112
BCB14424MK	Bar with Insulators & Brackets	No	1/4" x 4" x 24"	112
BTCB14424MK		Yes	1/4" x 4" x 24"	112

NOTES:

- Mounting holes not included in total
- Accommodates 2-hole lugs spaced 3/4" and 1" on center
- 12" bar pictures; holes are 7/16" diameter, slots are 7/16" x 11/16"
- Bars available electro-tin plated; tamper proof bolts, plexiglass cover
- Other sizes available, contact factory for details



Hole Pattern "J"



Ground Bar shown with optional pigtail.



Hole Pattern "M"

Type BCB (Pattern P) Ground Bar



Pattern P				
Catalog Number	Description	Tinned	Bar Size	# of Holes
BCB1412P	Bar Only	No	1/4" x 2" x 12"	26
BTCB1412P		Yes	1/4" x 2" x 12"	26
BCB14212PK	Bar with Insulators & Brackets	No	1/4" x 2" x 12"	26
BTCB14212PK		Yes	1/4" x 2" x 12"	26



NOTES:

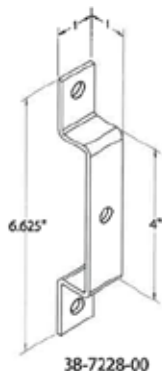
- Mounting holes not included in total
- Accommodates 2-hole lugs spaced 3/4" and 1" on center
- 12" bar pictures; holes are 7/16" diameter; slots are 7/16" x 11/16"
- Bars available electro-tin plated; with pigtails, tamper proof bolts, plexiglass cover
- Other sizes available, contact factory for details

Standoff Insulators (Red)

Manufactured from glass reinforced thermoset polyester					
Catalog Number	A	B	Shape	Thread Size	Voltage Rating
B38-6330-00	1"	1"	Hexagon	1/4"-20 x 5/16" AL	600
B38-6330-01	1"	1-1/4"	Hexagon	1/4"-20 x 5/16" AL	600
B38-6331-00	2"	1-1/2"	Octagon	1/4"-20 x 7/16" STL	1500
B38-6333-00	1-3/4"	2"	Round	3/8"-16 x 9/16" STL	2500
B38-6334-00	2"	2"	Octagon	1/2"-13 x 5/8" STL	2500
B38-6334-01	2"	2"	Octagon	3/8"-16 x 9/16" STL	2500
B38-7725-00	2"	2-1/4"	Octagon	3/8"-16 x 9/16" STL	2700
B38-7725-01	2"	2-1/4"	Octagon	1/2"-13 x 5/8" STL	2700
B38-6335-00	2-1/2"	2-5/8"	Octagon	5/8"-11 x 3/4" AL	3400



Mounting Brackets



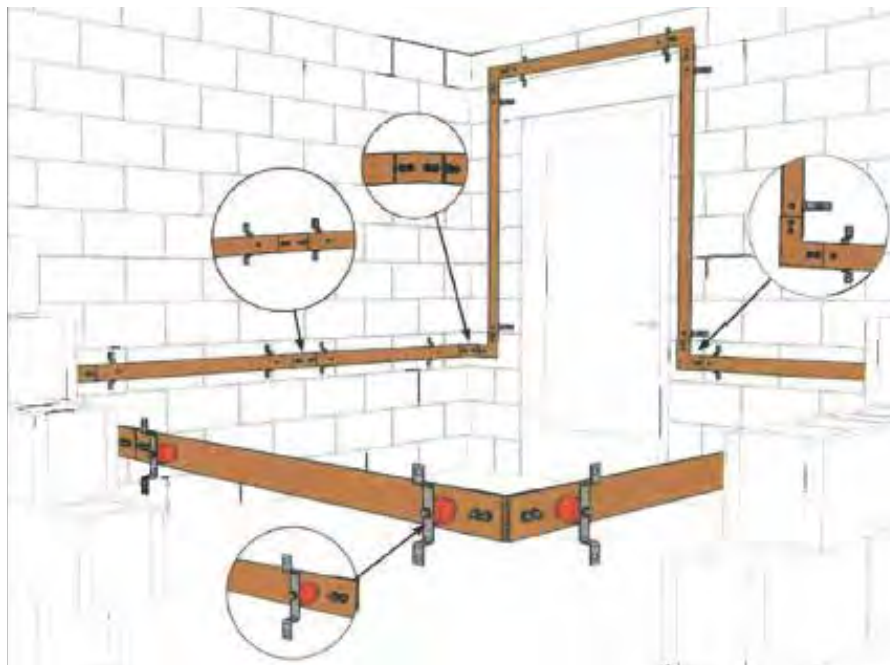
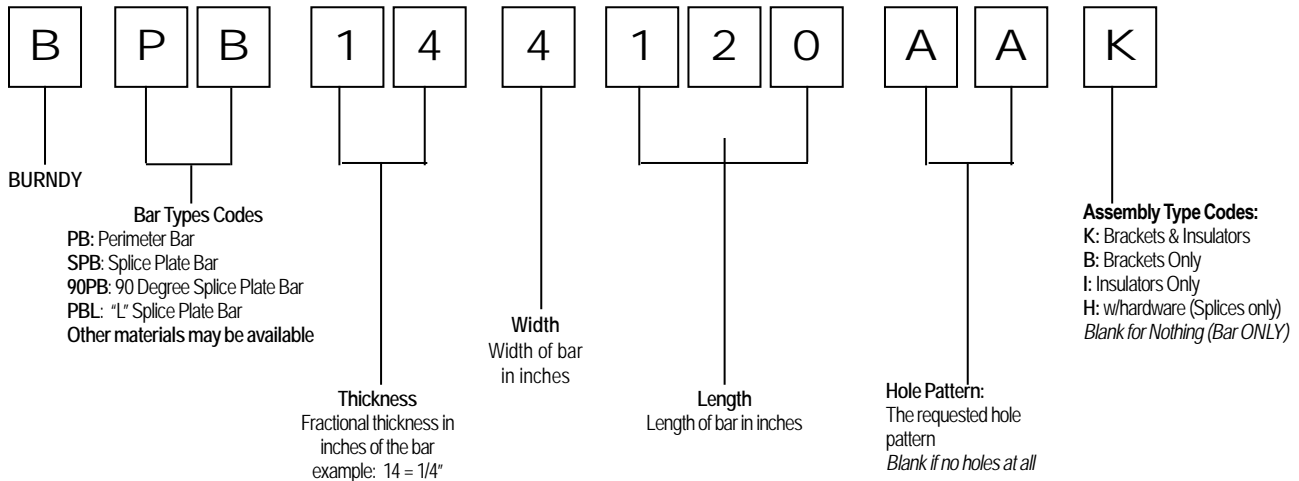
Catalog Number	Mounting Hole Size	H	Kit?
B38-7230-00	7/16"	1"	Yes
B38-7228-00	7/16"	1"	No

NOTES:

- Manufactured from 304 Stainless Steel
- Kit includes 2 of the assembly (pictured) plus the 3/8" hardware required to mount to a ground bar
- Mounting Kit uses B38-6333-00 insulators (round)

Perimeter Bar Numbering System

Below is a guide on how to understand the perimeter bus bar numbering system. Each digit of the catalog number represents specific details. Please note that other sizes, materials, and options may be available. Contact Customer Service or your local sales representative for more information. The example below indicates a plain copper perimeter bar, 1/4" thick, 10' (120") long, with hole pattern AA, includes brackets and insulators.



SPB Splice Plate



90SPB Splice Plate



PLB Splice Plate

Perimeter Bus Bars

A perimeter bus bar system is designed to terminate ground wires and cables from equipment and other devices within a structure. The system encompasses straight bars, elbows, splicers, insulators and mounting brackets. This versatile system is great for clean rooms, data centers and laboratories when designing around corners and doors. Technical support can help with the designing of your system to meet your specific design criteria.

Perimeter Bus Bar Splices	
Catalog Number	Description
BSPB1426NN	2" SPB Splice Plate
BSPB1426NH	2" SPB Splice Plate with Hardware*
BSPB1449NN	4" SPB Splice Plate
BSPB1449NH	4" SPB Splice Plate with Hardware*
B90PB1424NN	2" 90 Degree SPB Splice Plate
B90PB1424NH	2" 90 Degree SPB Splice Plate with Hardware*
B90PB1446NN	4" 90 Degree SPB Splice Plate
B90PB1446NH	4" 90 Degree SPB Splice Plate with Hardware*
BPLB1425NN	2" L Shape PBL Splice Plate
BPLB1425NH	2" L Shape PBL Splice Plate with Hardware*
BPLB1448NN	4" L Shape PBL Splice Plate
BPLB1448NH	4" L Shape PBL Splice Plate with Hardware*



**B38-7230-01
 Mounting Kit**
*(included by adding K to
 catalog number)
 or may be purchased
 separately.*

NOTES:

- With Hardware: consists of nuts, bolts and washers
- Mounting Kit B38-7230-01 included by adding suffix K; or available separately

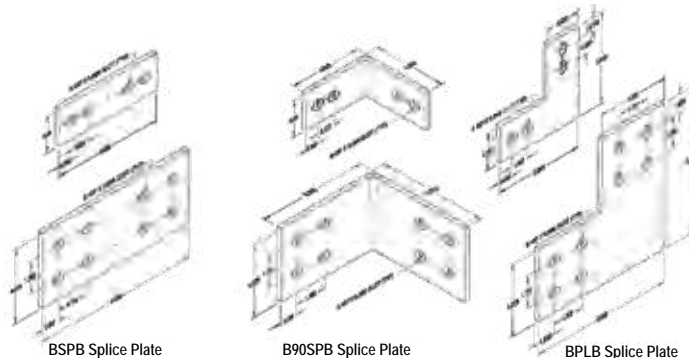
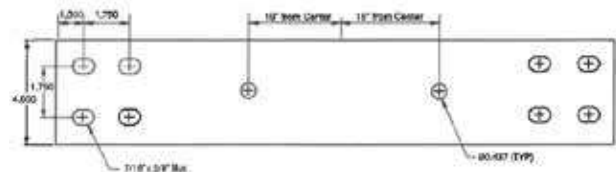
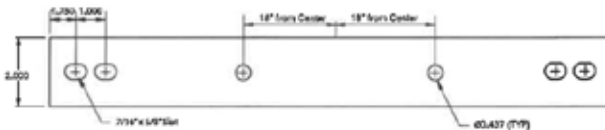
NN Pattern

No hole pattern except mounting holes. Can be made to any length.



AA Pattern

Holes are spaced 36\"/>



Mechanical Grounding

GRIDMAX® Grounding, Personnel Safety Mats, Equipotential Bonding, Pool/Spa Grounding

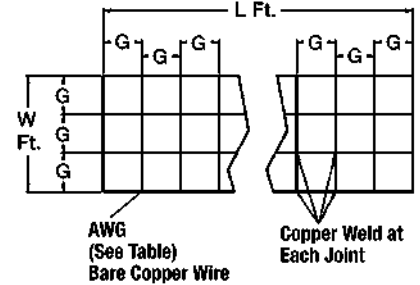
BURNDY® GRIDMAX®

Grounding, Personnel Safety Mats, Equipotential Bonding, Pool and Spa Grounding



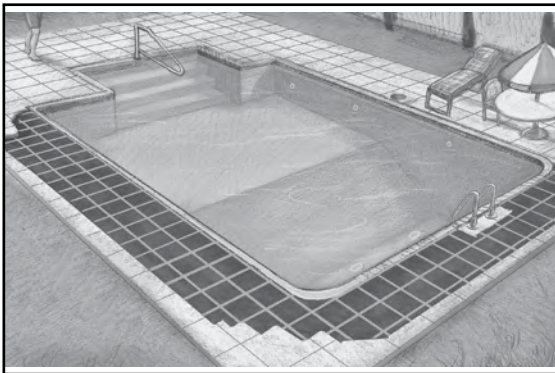
Features and Benefits:

- Manufactured from bare solid copper
- Spaced on 4", 6", or 12" centers
- Copper to copper weld with 15% silver
- Furnished in section with lengths from 4' to 100'
- Easily and economically installed using BURNDYWeld® exothermic process, HYGROUND® Compression system, or our full line of Mechanical connectors
- Sizes of GRIDMAX® specifically designed for the Pool and Spa market of 3' x 100' and 3' x 50', but can be used where any large area grounds are required

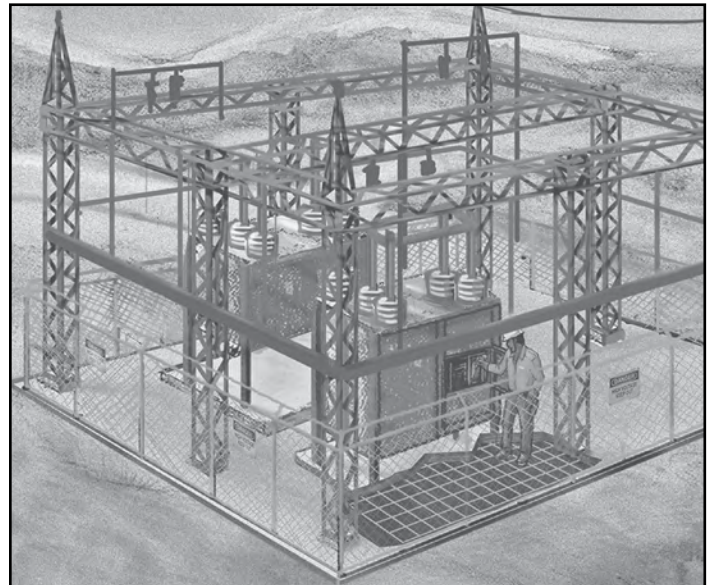


Catalog Number	Conductor	Dimensions		
		G (spacing)	L (length)	W (width)
BGM3100	8 AWG	12"	100'	3'
BGM3050	8 AWG	12"	50'	3'
BGM640044	6 AWG	4"	4'	4'
BGM640068	6 AWG	8"	6'	4'
BGM64006	6 AWG	12"	6'	4'
BGM640066	6 AWG	6"	6'	4'

Call for custom mats



Example:
GRIDMAX®
3' wide in pool area



Example:
GRIDMAX®
Personnel Safety Mat

Table of Contents

BURNDYWeld® Exothermic Process	E-102	BURNDYWeld® Accessories	
Making a BURNDYWeld® Exothermic Connection.....	E-103	Cable Clamp	E-132
BURNDYWeld® QIKLITE® Battery Ignition System	E-104	Cable Cleaning and Card Cloth Brush.....	E-132
BURNDYWeld® Weld Metal and Steel Discs	E-105	Mold Cleaners	E-132
BURNDYWeld® Molds		Packing Material.....	E-132
Type BCC-1 Horizontal End to End	E-106	Tool Kit.....	E-133
Type BCC-2 Horizontal Cable Tap to Horizontal Cable Run.....	E-107	Tools (separately)	E-133
Type BCC-4 Horizontal to Horizontal Cable Cross.....	E-108	Rasp	E-133
Type BCC-11 Horizontal to Horizontal Cable Cross	E-109	Flint Ignitor.....	E-133
Type BCC-6 Horizontal Parallel Tap.....	E-110	BURNDYWeld® Ground Rod Driving Sleeves	E-134
Type BCC-14 Horizontal Parallel Through Cables.....	E-110	BURNDYWeld® Shim Stock and Adapter Sleeves	E-134
Type BCC-7 Horizontal Parallel Through Cables.....	E-111		
Type BCR-1 Horizontal Cable Terminal to Ground Rod	E-112		
Type BCR-2 Horizontal Cable to Ground Rod.....	E-113		
Type BCR-3 Horizontal Through Cable to Ground Rod.....	E-114		
Type BCR-17 Horizontal Run and Tap Cables to Ground Rod	E-115		
Type BCR-24 Horizontal Parallel Run Cables to Ground Rod	E-116		
Type BCS-1 Horizontal Cable to Horizontal Steel Surface.....	E-117		
Type BCS-8 Horizontal Cable to Horizontal Steel Surface.....	E-117		
Type BCS-2 Horizontal Through Cable to Horizontal Steel Surface.....	E-118		
Type BCS-9 Horizontal Through Cable to Horizontal Steel Surface.....	E-118		
Type BCS-3 Angular Cable Drop to Vertical Steel Surface	E-119		
Type BCS-23 Vertical Cable Drop to Vertical Steel Surface.....	E-120		
Type BCS-4 Vertical Through Cable to Vertical Steel Surface	E-120		
Type BCS-6 Horizontal Through Cable to Vertical Steel Surface	E-121		
Type BCS-7 Overhead Vertical Tap Cable to Vertical Steel Surface	E-121		
Type BCS-18 Horizontal Tap Cable to Vertical Steel Surface	E-122		
Type BCS-5 Horizontal Cable Tap to Horizontal Cast Iron Surface.....	E-122		
Type BCRE-1 Horizontal Parallel Tap to Rebar	E-123		
Type BCRE-2 Horizontal Cable Tap to Horizontal Rebar Run	E-124		
Type BCRE-3 Horizontal Through Cable to Vertical Rebar	E-125		
Type BCRE-4 Horizontal Through Cable to Horizontal Rebar	E-126		
Type BCRE-6 Horizontal Cable Tap to Vertical Rebar.....	E-127		
BURNDY® GROUNDMAX™	E-128		
BURNDYWeld® Handle Clamps.....	E-130		
BURNDYWeld® Handle Attachment.....	E-130		
BURNDYWeld® Mold Support Clamp	E-130		
BURNDYWeld® Vertical Magnetic Clamps.....	E-131		
BURNDYWeld® Horizontal and Vertical Chain Clamps.....	E-131		

BURNDYWeld® Exothermic Process

The BURNDYWeld® connection process is a simple, efficient method of welding copper to copper or copper to steel. One advantage is that NO outside power is required when using the BURNDYWeld® exothermic process. The BURNDYWeld® process uses high temperature reaction of powdered copper oxide and aluminum. The reaction takes place in a semi-permanent graphite mold. These molds will last for fifty or more welds if proper care is given. The reaction takes place very rapidly, therefore the total amount of heat applied to the conductors or surfaces is considerably less than that of brazing or soldering. It is important to remember this when welding to insulated cable or thin wall pipe.

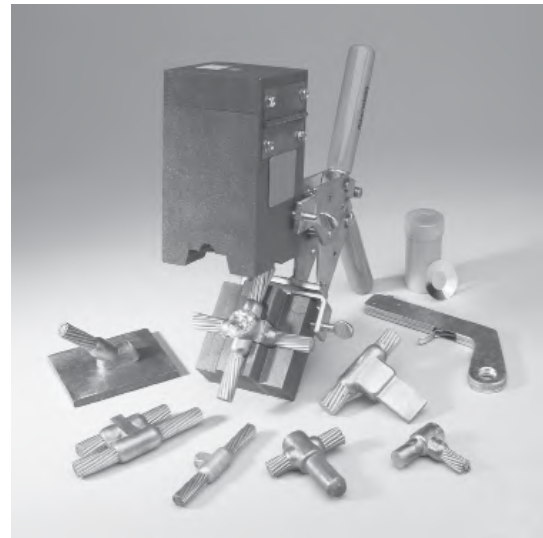
This system is very field friendly, since it is light and portable and requires no outside power source. It requires very little time or skill to obtain an efficient, maintenance free connection when using the BURNDYWeld® process.

For more information, visit our website at:
www.burndy.com.

The BURNDYWeld® process has been used to weld materials other than copper for electrical purposes. Materials welded include:

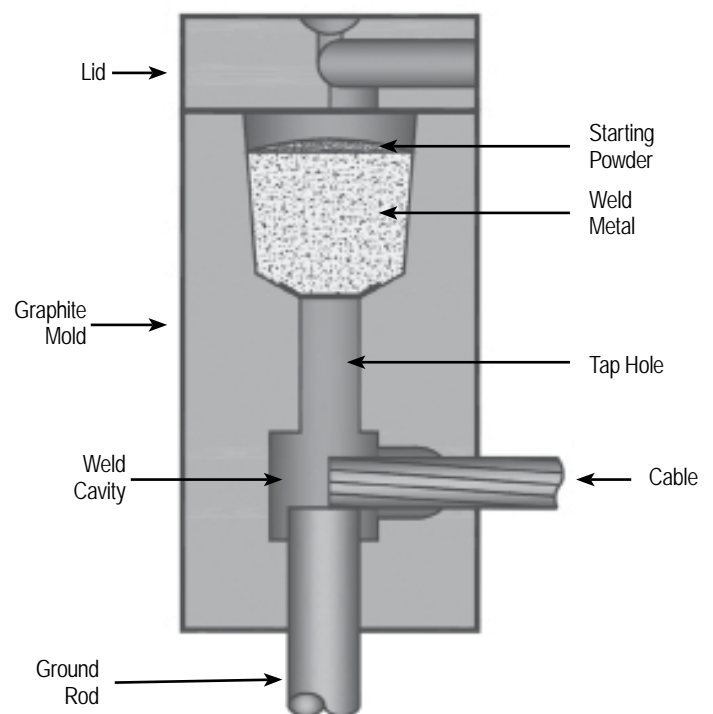
Stainless Steel
Copperweld®
Nichrome V
Galvanized Steel
Silicon Bronze
Copper Clad Steel
Columbium
Plain Steel
Everdur®
Kama
Stell Rail
Cor-Ten®
Brass
Bronze
Niobium
Chromax
Cast Iron
Monel

When welding to galvanized steel it is recommended to resurface exposed bare steel.



The BURNDYWeld® connection is a molecular weld. The weld metal has the same melting point as copper. These factors along with the increased cross section of the connection, BURNDYWeld® connections:

1. Will not be affected by a high current surge. Tests have shown that the electrical conductor will melt before the BURNDYWeld® connection when subjected to high short circuit current. Consult IEEE Standard 837-1989.
2. Will not loosen or corrode at the point of weld. There are no contact surfaces or mechanical pressures involved. A BURNDYWeld® connection becomes an integral part of the conductor.
3. Have a current-carrying capacity equal to or greater than that of the conductors.



Making a BURNDYWeld® Connection



Step 1

Position cleaned conductors in mold after make sure mold is dry, by pre-heating or making a test joint.



Step 2

Place metal disc in bottom of mold crucible.



Step 3

Dump powder into crucible, being careful not to loosen all the starting powder.



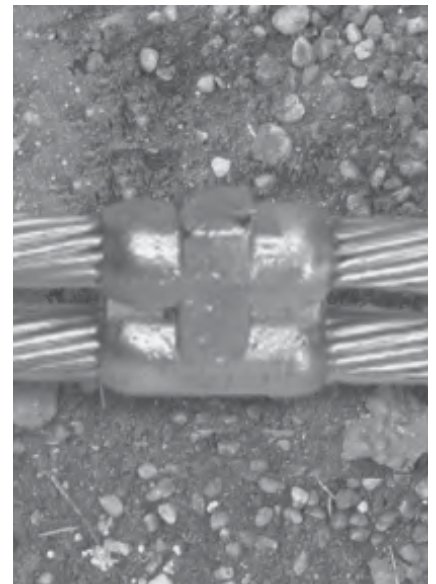
Step 4

Close lid and place a small amount of starting powder in the ignition pocket.



Step 5

Ignite the starting powder with the Flint Ignitor.



Step 6

Wait 15 seconds, then remove weld and clean mold before making next connection.

BURNDYWeld® QIKLITE® Battery Ignition System

The self-contained unit offers a built-in battery life indicator, 6' ignitor cord and separate buttons for power and ignition. Also, no starting powder is used with this system so emissions are greatly reduced. QIKLITE® works with "off-the-shelf" molds and weld metal, so contractors and installers can continue to use the same quality BURNDYWeld® products.

Since the unit operates with standard weld metal and molds, installers also have the option of using a traditional flint ignitor or the new QIKLITE® system. Another feature is the speed of ignition, with virtually no delay between depressing the "push to operate" button and ignition of the weld metal. This instant ignition feature offers quick reassurance to the installer, without the delay.



Features & Benefits

- The QIKLITE® system allows installers to make exothermic connections remotely
- Uses standard exothermic molds and weld metal
- Use the BURNDYWeld® QIKLITE® battery ignition system or use a flint ignitor, making this the most versatile system available
- Installers have virtually 100% confidence that the connection can be completed with no wasted material or weld metal shots
- No starting material required which greatly reduces the amount of emissions generated
- Power is supplied by 4 standard "D" size batteries
- Built-in battery life indicator
- Virtually no delay in ignition after depressing the "push to operate" button
- Separate ON/OFF and Operate buttons
- Comes complete with durable 6 foot heat resistant cord
- Durable, long-lasting design
- QIKSTIK ignitor sticks are conveniently packaged and available separately or packaged complete with standard weld metal

Catalog Number Standard Cartridge Size with Ignitor	Cartridges/ Ignitors Per Box
15Q	20
25Q	20
32Q	10
45Q	20
65Q	20
90Q	10
115Q	10
150Q	10
200Q	10
250Q	10
500Q	10
QIKSTIK*	10

* Ignitor stick only.

Catalog Number	Description
QIKLITE	Battery Ignition System
QIKLITEKIT	QIKLITE® Battery Ignition System and 20 QIKSTIK Ignitor Sticks

BURNDYWeld® Weld Metal

BURNDYWeld® Weld Metal is packed in moisture-resistant plastic cartridges that have tight fitting caps. These cartridges, along with the necessary steel discs, are then packed in boxes that are hermetically sealed. This ensures the powder arriving in good condition, always dry and ready for fast positive ignition. BURNDYWeld® Weld Metal comes in several types; one for welding copper to copper, copper to steel, copper to cast iron and one for welding copper to steel for cathodic protection. The size and weight (in grams) of the cartridge are marked on each individual cartridge.

Weld metal and steel discs are sold only in standard box quantities.

Features & Benefits

- Packed in moisture-resistant plastic cartridges with tight fitting caps
- Cartridges, along with necessary steel discs, are packed in boxes that are hermetically sealed ensuring the powder arrives in good condition, dry and ready for fast, positive ignition

Weld Metal Size	Catalog Number <u>Steel Discs Only</u>	Package Quantity
15 to 65	B370320-01	20
90 to 115	B370320-02	10
150 to 500	B370320-03	10

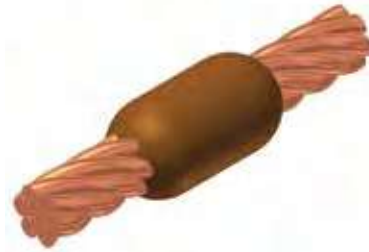


Catalog Number *	Description	Cartridges Per Box
15	Standard Cartridge	20
25	Standard Cartridge	20
32	Standard Cartridge	10
45	Standard Cartridge	20
65	Standard Cartridge	20
90	Standard Cartridge	10
115	Standard Cartridge	10
150	Standard Cartridge	10
200	Standard Cartridge	10
250	Standard Cartridge	10
500	Standard Cartridge	10

* Add Q to suffix to include Qikstik

Type BCC-1 Molds Horizontal End to End

Type BCC-1 Molds are used for horizontal end to end cable connections. Size range from #6 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for use with conductors not listed.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#4	#4	B-5623	18 ①	25	Incl.
#3	#3	B-5624	18 ①	32	Incl.
#2	#2	B-5625	18 ①	32	Incl.
#1	#1	B-5626	18 ①	32	Incl.
1/0	1/0	B-205	4	45	B-106
2/0	2/0	B-206	4	65	B-106
3/0	3/0	B-207	4	90	B-106
4/0	4/0	B-208	4	90	B-106
250 kcmil	250 kcmil	B-209	4	115	B-106
300 kcmil	300 kcmil	B-210	4	115	B-106
350 kcmil	350 kcmil	B-211	4	150	B-106
500 kcmil	500 kcmil	B-213	4	200	B-107
750 kcmil	750 kcmil	B-214	5	2-150	B-107
1000 kcmil	1000 kcmil	B-215	5	2-200	B-107

① B38-0309-00 Flint ignitor included

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

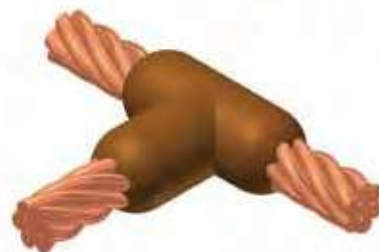
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

Type BCC-2 Molds

Horizontal Cable Tap to Horizontal Cable Run

Type BCC-2 Molds are used to join horizontal cable tap to a horizontal run cable. Size range is #6 through 750 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#4	#4	B-221	4	32	B-106
#2	#2	B-223	4	45	B-106
	#4	B-224	4	45	B-106
#1	#1	B-225	4	45	B-106
	#2	B-226	4	45	B-106
	#4	B-227	4	45	B-106
1/0	1/0	B-228	4	90	B-106
	#1	B-229	4	45	B-106
	#2	B-230	4	45	B-106
	#4	B-231	4	45	B-106
2/0	2/0	B-232	4	90	B-106
	1/0	B-333	4	90	B-106
	#1	B-234	4	45	B-106
	#2	B-235	4	45	B-106
	#4	B-5475	4	45	B-106
3/0	3/0	B-236	4	115	B-106
	2/0	B-237	4	90	B-106
	1/0	B-238	4	90	B-106
	#1	B-239	4	45	B-106
	#2	B-240	4	45	B-106
	#4	B-5574	4	45	B-106
	#4	B-241	4	150	B-106
4/0	3/0	B-242	4	115	B-106
	2/0	B-243	4	90	B-106
	1/0	B-244	4	90	B-106
	#1	B-245	4	90	B-106
	#2	B-246	4	90	B-106
	#4	B-5021	4	90	B-106
	250 kcmil	B-247	4	150	B-106
	4/0	B-248	4	150	B-106
250 kcmil	3/0	B-249	4	150	B-106
	2/0	B-250	4	90	B-106
	1/0	B-251	4	90	B-106
	#1	B-252	4	90	B-106
	#2	B-253	4	90	B-106

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
300 kcmil	300 kcmil	B-254	4	200	B-106
	250 kcmil	B-255	4	150	B-106
	4/0	B-256	4	150	B-106
	3/0	B-257	4	150	B-106
	2/0	B-258	4	90	B-106
	1/0	B-259	4	90	B-106
	#1	B-260	4	90	B-106
	#2	B-261	4	90	B-106
	350 kcmil	350 kcmil	B-262	4	200	B-106
300 kcmil		B-263	4	200	B-106
250 kcmil		B-264	4	200	B-106
4/0		B-265	4	150	B-106
3/0		B-266	4	150	B-106
2/0		B-267	4	90	B-106
1/0		B-268	4	90	B-106
#1		B-269	4	90	B-106
500 kcmil	#2	B-270	4	90	B-106
	500 kcmil	B-280	4	2-150	B-106
	350 kcmil	B-282	4	200	B-106
	300 kcmil	B-283	4	200	B-106
	250 kcmil	B-284	4	200	B-106
	4/0	B-285	4	150	B-106
	2/0	B-286	4	90	B-106
	1/0	B-287	4	90	B-106
	#1	B-288	4	90	B-106
	#2	B-289	4	90	B-106
750 kcmil	750 kcmil	B-290	5	500	B-107
	500 kcmil	B-291	5	2-200	B-107
	350 kcmil	B-293	4	250	B-106
	300 kcmil	B-294	4	200	B-106
	250 kcmil	B-295	4	200	B-106
	4/0	B-296	4	150	B-106
	2/0	B-297	4	150	B-106
	1/0	B-298	4	150	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

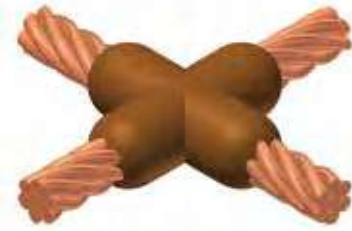
Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCC-4 Molds Horizontal to Horizontal Cable Cross

Type BCC-4 Molds are used to join two horizontal cables at right angles. One cable is cut and the other is a through run. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#4	#4	B-423	4	45	B-106
#3	#3	B-424	4	45	B-106
#2	#2	B-425	4	65	B-106
	#4	B-426	4	65	B-106
#1	#1	B-427	4	65	B-106
	#2	B-428	4	65	B-106
	#4	B-429	4	65	B-106
1/0	1/0	B-430	4	90	B-106
	#1	B-431	4	90	B-106
	#2	B-432	4	90	B-106
2/0	#4	B-433	4	90	B-106
	2/0	B-434	4	115	B-106
	1/0	B-435	4	115	B-106
	#1	B-436	4	115	B-106
3/0	#2	B-437	4	115	B-106
	3/0	B-438	4	150	B-106
	2/0	B-439	4	150	B-106
	1/0	B-440	4	115	B-106
4/0	#1	B-441	4	115	B-106
	#2	B-442	4	115	B-106
	4/0	B-443	4	200	B-106
	3/0	B-444	4	200	B-106
	2/0	B-445	4	150	B-106
	1/0	B-446	4	150	B-106
250 kcmil	#1	B-447	4	115	B-106
	#2	B-448	4	115	B-106
	250 kcmil	B-449	4	200	B-106
	4/0	B-450	4	200	B-106
250 kcmil	3/0	B-451	4	200	B-106
	2/0	B-452	4	150	B-106
	1/0	B-453	4	150	B-106
250 kcmil	#1	B-454	4	115	B-106
	#2	B-455	4	115	B-106

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
300 kcmil	300 kcmil	B-456	4	250	B-106
	250 kcmil	B-457	4	250	B-106
	4/0	B-458	4	200	B-106
	3/0	B-459	4	200	B-106
	2/0	B-460	4	150	B-106
	1/0	B-461	4	150	B-106
	#1	B-462	4	115	B-106
	#2	B-463	4	115	B-106
350 kcmil	350 kcmil	B-464	4	250	B-106
	300 kcmil	B-465	4	250	B-106
	250 kcmil	B-466	4	250	B-106
	4/0	B-467	4	200	B-106
	3/0	B-468	4	200	B-106
	2/0	B-469	4	200	B-106
	1/0	B-470	4	200	B-106
	#1	B-471	4	150	B-106
#2	B-472	4	150	B-106	
500 kcmil	500 kcmil	B-483	5	500	B-107
	350 kcmil	B-485	5	2-200	B-107
	300 kcmil	B-486	5	2-200	B-107
	250 kcmil	B-487	5	2-150	B-107
	4/0	B-488	5	2-150	B-107
	3/0	B-489	5	2-150	B-107
	2/0	B-490	4	250	B-106
	1/0	B-491	4	250	B-106
	#1	B-492	4	200	B-106
	#2	B-493	4	200	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCC-11 Molds

Horizontal to Horizontal Cable Cross

Type BCC-11 Molds are used to join uncut horizontal cables at right angles to each other. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#6	#6	B-5432	19	45	Incl.
#4	#4	B-2687	4	65	B-106
#2	#2	B-2689	4	90	B-106
	#4	B-2690	4	65	B-106
#1	#1	B-2691	4	115	B-106
	#2	B-2692	4	90	B-106
	#4	B-2693	4	90	B-106
1/0	1/0	B-2694	22	150	B-106
	#1	B-2695	22	150	B-106
	#2	B-2696	22	115	B-106
	#4	B-2697	22	115	B-106
2/0	2/0	B-2698	22	200	B-106
	1/0	B-2699	22	200	B-106
	#1	B-2700	22	150	B-106
	#2	B-2701	22	150	B-106
3/0	3/0	B-2702	22	250	B-106
	2/0	B-2703	22	200	B-106
	1/0	B-2704	22	200	B-106
	#1	B-2705	22	150	B-106
	#2	B-2706	22	150	B-106
4/0	4/0	B-2707	22	250	B-106
	3/0	B-2708	22	250	B-106
	2/0	B-2709	22	200	B-106
	1/0	B-2710	22	200	B-106
	#1	B-2711	22	150	B-106
	#2	B-2712	22	150	B-106

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
250 kcmil	250 kcmil	B-2713	22	2-150	B-106
	4/0	B-2714	22	2-150	B-106
	3/0	B-2715	22	2-150	B-106
	2/0	B-2716	22	250	B-106
	1/0	B-2717	22	150	B-106
	#1	B-2718	22	200	B-106
	#2	B-2719	22	150	B-106
	500 kcmil	500 kcmil	B-2747	23	3-250	B-107
250 kcmil		B-2751	23	500	B-107
4/0		B-2752	23	500	B-107
3/0		B-2753	23	500	B-107
2/0		B-2754	23	2-200	B-107
1/0		B-2755	22	2-150	B-106
#1		B-2756	22	250	B-106
#2		B-2757	22	250	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Exothermic Grounding

BURNDYWeld®; Type BCC-6 Molds; Horizontal Parallel Tap
Type BCC-14 Molds; Horizontal Parallel through Cables

Type BCC-6 Molds Horizontal Parallel Tap

Type BCC-6 Molds are used to join horizontal parallel tap to run connections. The tap cable is over the run cable. Size range is #6 through 4/0 solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#6 Sol	#6 Sol	B-1270	4	25	B-106
#6	#6	B-1271	4	25	B-106
#4	#4	B-1272	4	32	B-106
	#6	B-1273	4	32	B-106
	#6 Sol	B-1274	4	32	B-106
	#8 Sol	B-1275	4	32	B-106
#2	#2	B-1276	4	65	B-106
	#4	B-1277	4	45	B-106
	#6	B-1278	4	32	B-106
	#6 Sol	B-1279	4	32	B-106
#1	#8 Sol	B-1280	4	32	B-106
	#1	B-1281	4	65	B-106
	#2	B-1282	4	65	B-106
	#4	B-1283	4	45	B-106
	#6	B-1284	4	45	B-106
	#6 Sol	B-1285	4	45	B-106
1/0	#8 Sol	B-1286	4	45	B-106
	1/0	B-1287	4	90	B-106
	#1	B-1288	4	90	B-106
	#2	B-1289	4	65	B-106
	#4	B-1290	4	65	B-106
	#6	B-1291	4	45	B-106
	#6 Sol	B-1292	4	45	B-106
#8 Sol	B-1293	4	45	B-106	



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
2/0	2/0	B-1294	4	115	B-106
	1/0	B-1295	4	115	B-106
	#1	B-1296	4	90	B-106
	#2	B-1297	4	90	B-106
	#4	B-1298	4	65	B-106
	#6	B-1299	4	65	B-106
	#6 Sol	B-1300	4	65	B-106
	#8 Sol	B-1301	4	65	B-106
4/0	4/0	B-1302	4	150	B-106
	2/0	B-1303	4	115	B-106
	1/0	B-1304	4	115	B-106
	#1	B-1305	4	115	B-106
	#2	B-1306	4	115	B-106
	#4	B-1307	4	90	B-106
	#6	B-1308	4	90	B-106
	#6 Sol	B-1309	4	90	B-106
	#8 Sol	B-1310	4	90	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

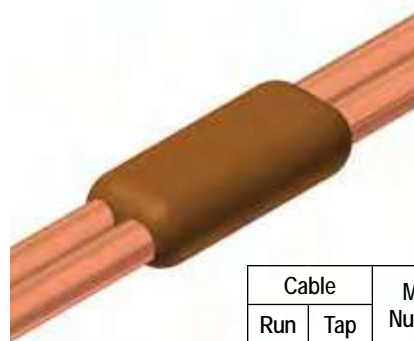
B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCC-14 Molds Horizontal Parallel through Cables

Type BCC-14 Molds are used to join horizontal parallel through run cables. Cables run side by side in the mold. Size range is #8 through #6 solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed.

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®
- Sold complete with handles



Cable		Mold Number	Price Key	Weld Metal
Run	Tap			
#8	#8	B-5709	18	15
#6	#6	B-5618	18	25

Type BCC-7 Molds Horizontal Parallel through Cables

Type BCC-7 Type Molds are used to join horizontal parallel through run cables. One cable runs above the other cable in the mold. Size range is #6 through 4/0 solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
#4	#4	B-1311	4	32	B-106
	#6	B-5627	4	32	B-106
	#6 Sol	B-8882	4	32	B-106
	#8	B-5629	4	32	B-106
	#8 Sol	B-5630	4	32	B-106
#2	#2	B-1313	4	65	B-106
	#4	B-1314	4	65	B-106
	#6	B-5631	4	45	B-106
	#6 Sol	B-5632	4	45	B-106
	#8	B-5634	4	45	B-106
	#8 Sol	B-5635	4	45	B-106
#1	#1	B-1315	4	65	B-106
	#2	B-1316	4	65	B-106
	#4	B-1317	4	65	B-106
	#6	B-5636	4	65	B-106
	#6 Sol	B-5637	4	65	B-106
	#8	B-5638	4	45	B-106
	#8 Sol	B-5639	4	45	B-106
1/0	1/0	B-1318	4	90	B-106
	#1	B-1319	4	65	B-106
	#2	B-1320	4	65	B-106
	#4	B-1321	4	65	B-106
	#6	B-5642	4	65	B-106
	#6 Sol	B-1208	4	65	B-106
	#8	B-5644	4	65	B-106
	#8 Sol	B-5645	4	65	B-106

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Run	Tap				
2/0	2/0	B-1322	4	115	B-106
	1/0	B-1323	4	115	B-106
	#1	B-1324	4	90	B-106
	#2	B-1325	4	90	B-106
	#4	B-5659	4	90	B-106
	#6	B-5342	4	90	B-106
	#6 Sol	B-5652	4	90	B-106
	#8	B-5668	4	65	B-106
	#8 Sol	B-5943	4	65	B-106
3/0	3/0	B-1326	4	150	B-106
	2/0	B-1327	4	150	B-106
	1/0	B-1328	4	115	B-106
	#1	B-1329	4	115	B-106
	#2	B-1330	4	115	B-106
	#4	B-6046	4	115	B-106
	#6	B-5676	4	90	B-106
	#6 Sol	B-5679	4	90	B-106
	#8	B-5680	4	90	B-106
	#8 Sol	B-5682	4	90	B-106
4/0	4/0	B-1331	4	200	B-106
	3/0	B-1332	4	200	B-106
	2/0	B-1333	4	150	B-106
	1/0	B-1334	4	150	B-106
	#1	B-1335	4	150	B-106
	#2	B-1336	4	150	B-106
	#4	B-5340	4	150	B-106
	#6	B-5684	4	90	B-106
	#6 Sol	B-6552	4	90	B-106
	#8	B-5686	4	90	B-106
	#8 Sol	B-5688	4	90	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Exothermic Grounding

BURNDYWeld®; Type BCR-1 Molds
Horizontal Cable Terminal to Ground Rod

Type BCR-1 Molds Horizontal Cable Terminal to Ground Rod

Type BCR-1 Molds are used to terminate horizontal copper cable at the top of a vertical ground rod. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#6	B-8402	18 ①	25	Incl.
	#4	B-8403	18 ①	25	Incl.
	#2	B-495	4	65	B-106
	#1	B-496	4	65	B-106
	1/0	B-497	4	90	B-106
	2/0	B-498	4	90	B-106
	3/0	B-499	4	90	B-106
	4/0	B-500	4	90	B-106
	250 kcmil	B-501	4	90	B-106
	300 kcmil	B-502	4	90	B-106
5/8"	#6	B-8414	18 ①	32	Incl.
	#4	B-8415	18 ①	32	Incl.
	#2	B-503	4	65	B-106
	#1	B-504	4	65	B-106
	1/0	B-505	4	90	B-106
	2/0	B-506	4	90	B-106
	3/0	B-507	4	90	B-106
	4/0	B-508	4	90	B-106
	250 kcmil	B-509	4	90	B-106
	300 kcmil	B-510	4	115	B-106
	350 kcmil	B-511	4	115	B-106
	500 kcmil	B-513	4	150	B-106

① B38-0309-00 Flint ignitor included

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
3/4"	#6	B-8422	18 ①	32	Incl.
	#4	B-8426	19 ①	45	Incl.
	#2	B-5781	4	90	B-106
	#1	B-514	4	90	B-106
	1/0	B-515	4	90	B-106
	2/0	B-516	4	90	B-106
	3/0	B-517	4	90	B-106
	4/0	B-518	4	90	B-106
	250 kcmil	B-519	4	90	B-106
	300 kcmil	B-520	4	115	B-106
	350 kcmil	B-521	4	115	B-106
	500 kcmil	B-523	4	150	B-106
	750 kcmil	B-524	4	250	B-106
	1"	1/0	B-525	4	150	B-106
2/0		B-526	4	150	B-106
3/0		B-527	4	150	B-106
4/0		B-528	4	150	B-106
250 kcmil		B-529	4	150	B-106
300 kcmil		B-530	4	200	B-106
350 kcmil		B-531	4	200	B-106
500 kcmil		B-533	4	200	B-106
750 kcmil		B-534	4	250	B-106
1000 kcmil		B-535	5	2-150	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCR-2 Molds Horizontal Cable to Ground Rod

Type BCR-2 Molds are used to join horizontal through copper cable to the top of a vertical ground rod. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#6	B-8434	18 ①	32	Incl.
	#4	B-8435	18 ①	32	Incl.
	#2	B-537	4	90	B-106
	#1	B-538	4	90	B-106
	1/0	B-539	4	90	B-106
	2/0	B-540	4	90	B-106
	3/0	B-541	4	115	B-106
	4/0	B-542	4	115	B-106
	250 kcmil	B-543	4	150	B-106
	300 kcmil	B-544	4	200	B-106
5/8"	#6	B-8441	18 ①	32	Incl.
	#4	B-8442	18 ①	32	Incl.
	#2	B-545	4	90	B-106
	#1	B-546	4	90	B-106
	1/0	B-547	4	90	B-106
	2/0	B-548	4	115	B-106
	3/0	B-549	4	115	B-106
	4/0	B-550	4	115	B-106
	250 kcmil	B-551	4	150	B-106
	300 kcmil	B-552	4	200	B-106
	350 kcmil	B-553	4	200	B-106
	500 kcmil	B-555	4	250	B-106

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
3/4"	#6	B-8452	19 ①	45	Incl.
	#4	B-8454	19 ①	65	Incl.
	#2	B-556	4	90	B-106
	#1	B-557	4	90	B-106
	1/0	B-558	4	115	B-106
	2/0	B-559	4	115	B-106
	3/0	B-560	4	115	B-106
	4/0	B-561	4	115	B-106
	250 kcmil	B-562	4	150	B-106
	300 kcmil	B-563	4	200	B-106
	350 kcmil	B-564	4	200	B-106
	500 kcmil	B-566	4	250	B-106
	750 kcmil	B-567	5	2-200	B-107
	1"	1/0	B-569	4	150	B-106
2/0		B-570	4	150	B-106
3/0		B-571	4	150	B-106
4/0		B-572	4	150	B-106
250 kcmil		B-573	4	200	B-106
300 kcmil		B-574	4	200	B-106
350 kcmil		B-575	4	200	B-106
500 kcmil		B-577	4	250	B-106
750 kcmil		B-578	5	2-200	B-107
1000 kcmil		B-579	5	500	B-107

① B38-0309-00 Flint ignitor included

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

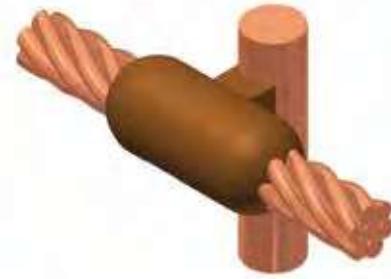
B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Exothermic Grounding

BURNDYWeld®; Type BCR-3 Molds
Horizontal Through Cable to Ground Rod

Type BCR-3 Molds Horizontal Through Cable to Ground Rod

Type BCR-3 Molds are used to join horizontal through run cable to the side of a vertical ground rod. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#6	B-5321	24	65	B-106
	#4	B-2154	24	90	B-106
	#2	B-2155	24	90	B-106
	#1	B-2156	24	115	B-106
	1/0	B-1581	24	115	B-106
	2/0	B-1582	24	115	B-106
	4/0	B-1583	24	150	B-106
	250 kcmil	B-1584	24	150	B-106
5/8"	#6	B-5660	24	65	B-106
	#4	B-2157	24	90	B-106
	#2	B-2158	24	90	B-106
	#1	B-2159	24	115	B-106
	1/0	B-1586	24	115	B-106
	2/0	B-1587	24	115	B-106
	4/0	B-1588	24	150	B-106
	250 kcmil	B-1589	24	150	B-106
500 kcmil	B-1593	13	2-200	B-107	

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
3/4"	#6	B-6630	24	65	B-106
	#4	B-2160	24	90	B-106
	#2	B-2161	24	90	B-106
	#1	B-2162	24	115	B-106
	1/0	B-1594	24	115	B-106
	2/0	B-1595	24	115	B-106
	4/0	B-1596	24	150	B-106
	250 kcmil	B-1597	24	200	B-106
	500 kcmil	B-1601	13	500	B-107
	750 kcmil	B-1602	13	3-250	B-107
1"	#6	B-6906	24	90	B-106
	#4	B-2163	24	90	B-106
	#2	B-2164	24	90	B-106
	#1	B-2165	24	115	B-106
	1/0	B-1603	24	115	B-106
	2/0	B-1604	24	115	B-106
	4/0	B-1605	24	150	B-106
	250 kcmil	B-1606	24	200	B-106
	500 kcmil	B-1610	13	500	B-107
	750 kcmil	B-1611	13	3-250	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

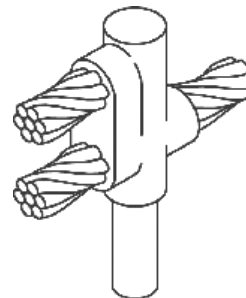
Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCR-17 Molds Horizontal Run and Tap Cables to Ground Rod

Type BCR-17 Molds are used to join horizontal run and tap cables to the top of a vertical ground rod. Size range is #4 through 750 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1/2"	#4	B-5416	4	90	B-106
	#2	B-6165	4	90	B-106
	#1	B-5830	4	90	B-106
	1/0	B-5940	4	115	B-106
	2/0	B-5850	4	150	B-106
	3/0	B-5833	4	200	B-106
	4/0	B-5380	4	200	B-106
	5/8"	#4	B-5972	4	90	B-106
#2		B-5935	4	115	B-106
#1		B-5699	4	115	B-106
1/0		B-5746	4	150	B-106
2/0		B-5963	4	200	B-106
3/0		B-5734	4	250	B-106
4/0		B-5732	4	250	B-106
250 kcmil		B-5722	5	2-150	B-107
3/4"	#4	B-5698	4	90	B-106
	#2	B-5294	4	115	B-106
	#1	B-5390	4	115	B-106
	1/0	B-6025	4	150	B-106
	2/0	B-5738	4	200	B-106
	3/0	B-6003	4	250	B-106
	4/0	B-2566	4	250	B-106
	250 kcmil	B-5904	5	2-150	B-107
	300 kcmil	B-5857	5	2-200	B-107
	350 kcmil	B-5777	5	2-200	B-107
	500 kcmil	B-5961	5	3-200	B-107

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod	Tap				
1"	#4	B-5556	4	115	B-106
	#2	B-5555	4	150	B-106
	#1	B-6048	4	150	B-106
	1/0	B-5992	4	200	B-106
	2/0	B-5877	4	250	B-106
	3/0	B-5821	5	2-150	B-107
	4/0	B-5820	5	2-150	B-107
	250 kcmil	B-5807	5	2-200	B-107
	300 kcmil	B-5803	5	500	B-107
	350 kcmil	B-5561	5	500	B-107
	500 kcmil	B-5515	6	3-250	B-107
	750 kcmil	B-5513	6	2-500	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

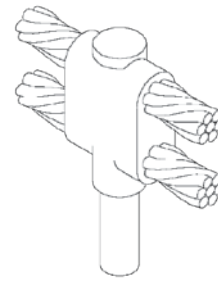
Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCR-24 Molds Horizontal Parallel Run Cables to Ground Rod

Type BCR-24 Molds are used to join horizontal parallel cables to the top of a vertical ground rod. Size range is #4 through 750 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod Size	Tap				
1/2"	#4	B-5640	4	115	B-106
	#2	B-5667	4	115	B-106
	#1	B-6002	4	115	B-106
	1/0	B-5767	4	150	B-106
	2/0	B-5604	4	200	B-106
	3/0	B-5560	4	250	B-106
	4/0	B-6766	4	250	B-106
	5/8"	#4	B-6208	4	115	B-106
#2		B-5702	4	150	B-106
#1		B-5517	4	150	B-106
1/0		B-5573	4	200	B-106
2/0		B-8451	4	250	B-106
3/0		B-2510	5	2-150	B-107
4/0		B-5428	5	2-150	B-107
250 kcmil		B-1212	5	2-200	B-107
300 kcmil		B-2084	5	500	B-107
350 kcmil		B-2558	5	500	B-107
500 kcmil		B-2450	5	3-250	B-107
3/4"		#4	B-8011	4	115	B-106
	#2	B-2320	4	150	B-106
	#1	B-2235	4	150	B-106
	1/0	B-6051	4	200	B-106
	2/0	B-8802	4	250	B-106
	3/0	B-8726	5	2-150	B-107
	4/0	B-5677	5	2-150	B-107
	250 kcmil	B-8461	5	2-200	B-107
	300 kcmil	B-8428	5	500	B-107
	350 kcmil	B-8294	5	500	B-107
	500 kcmil	B-8214	5	3-250	B-107
	750 kcmil	B-8027	6	2-500	B-107

Cable		Mold Number	Price Key	Weld Metal	Handle Clamps
Grd Rod Size	Tap				
1"	#4	B-5330	4	150	B-106
	#2	B-5332	4	200	B-106
	#1	B-5333	4	200	B-106
	1/0	B-5334	4	250	B-106
	2/0	B-5335	5	2-150	B-107
	3/0	B-5336	5	2-200	B-107
	4/0	B-5337	5	2-200	B-107
	250 kcmil	B-5338	5	500	B-107
	300 kcmil	B-5341	5	3-200	B-107
	350 kcmil	B-5351	5	3-200	B-107
	500 kcmil	B-5352	6	2-500	B-107
	750 kcmil	B-5353	6	5-250	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

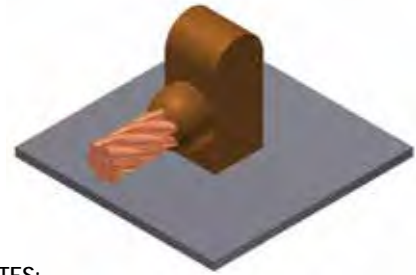
Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCS-1 Molds

Horizontal Cable to Horizontal Steel Surface

Type BCS-1 Molds are used to terminate a horizontal copper cable to any horizontal steel surface. Note that the cable is OFF the surface. Size range is 1/0 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
1/0	B-644	4	90	B-106
2/0	B-645	4	90	B-106
3/0	B-646	4	115	B-106
4/0	B-647	4	115	B-106
250 kcmil	B-648	4	115	B-106
300 kcmil	B-649	4	150	B-106
350 kcmil	B-650	4	200	B-106
500 kcmil	B-652	4	200	B-106
750 kcmil	B-653	5	2-150	B-106
1000 kcmil	B-654	5	2-200	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCS-8 Molds

Horizontal Cable to Horizontal Steel Surface

Type BCS-8 Molds are used to terminate a horizontal copper cable to any horizontal steel surface. Note that the cable is ON the surface. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-628	3 ①	45	Incl.
#4	B-629	3 ①	45	Incl.
#2	B-630	3 ①	45	Incl.
#1	B-631	3 ①	65	Incl.
1/0	B-7146	4	90	B-106
2/0	B-7075	4	90	B-106
3/0	B-2199	4	115	B-106
4/0	B-6114	4	115	B-106
250 kcmil	B-2200	4	115	B-106
300 kcmil	B-2506	4	150	B-106
350 kcmil	B-2507	4	200	B-106
500 kcmil	B-2509	4	200	B-106
750 kcmil	B-2542	5	2-150	B-107
1000 kcmil	B-2511	5	2-200	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

① B38-0309-00 Flint ignitor included

Type BCS-2 Molds

Horizontal Through Cable to Horizontal Steel Surface

Type BCS-2 Molds are used to join horizontal through copper cable to any horizontal steel surface. Note the cable is OFF the surface. Size range is 1/0 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
1/0	B-616	4	90	B-106
2/0	B-617	4	115	B-106
3/0	B-618	4	115	B-106
4/0	B-619	4	150	B-106
250 kcmil	B-620	4	150	B-106
300 kcmil	B-621	4	200	B-106
350 kcmil	B-622	4	250	B-106
500 kcmil	B-624	5	2-150	B-107
750 kcmil	B-625-H	5	3-250	B-107
1000 kcmil	B-626-H	5	2-500	B-107



NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

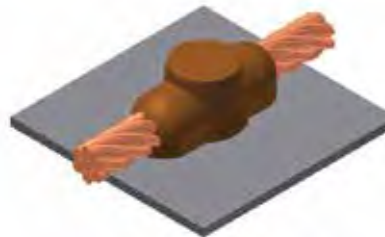
B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCS-9 Molds

Horizontal Through Cable to Horizontal Steel Surface

Type BCS-9 Molds are used to join horizontal through copper cable to any horizontal steel surface. Note the cable is ON the surface. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-602	3 ①	45	Incl.
#4	B-603	3 ①	45	Incl.
#2	B-604	3 ①	45	Incl.
#1	B-605	3 ①	65	Incl.
1/0	B-8379	4	90	B-106
2/0	B-5331	4	115	B-106
3/0	B-8381	4	115	B-106
4/0	B-7192	4	150	B-106
250 kcmil	B-8413	4	150	B-106
300 kcmil	B-8423	4	200	B-106
350 kcmil	B-8410	4	250	B-106
500 kcmil	B-5065	5	2-150	B-107



NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

① B38-0309-00 Flint ignitor included

Type BCS-3 Molds Angular Cable Drop to Vertical Steel Surface

Type BCS-3 Molds are used to join the end of a copper cable at a 45° angle to a vertical steel surface. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Pipe Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	Flat Steel Only	B-585	4	45	B-106
#4	12" & up	B-586①	4	45	B-106
#3	Flat Steel Only	B-587	4	45	B-106
#2	12" & up	B-588①	4	45	B-106
#1	12" & up	B-589①	4	65	B-106
1/0	12" & up	B-590①	4	90	B-106
2/0	12" & up	B-591①	4	90	B-106
3/0	12" & up	B-592①	4	115	B-106
4/0	12" & up	B-593①	4	115	B-106
250 kcmil	Flat Steel Only	B-594	4	115	B-106
300 kcmil	Flat Steel Only	B-595	4	150	B-106
350 kcmil	Flat Steel Only	B-596	4	200	B-106
500 kcmil	Flat Steel Only	B-598	4	200	B-106
750 kcmil	Flat Steel Only	B-599	5	2-150	B-106
1000 kcmil	Flat Steel Only	B-600	5	2-200	B-106
#4	1-1/4" to 4"	B-2476	4	45	B-106
#4	4" to 6"	B-2477	4	45	B-106
#4	6" to 10"	B-2478	4	45	B-106
#2 Sol	1-1/4" to 4"	B-9233-S	4	45	B-106
#2 Sol	4" to 6"	B-2480-S	4	45	B-106
#2 Sol	6" to 10"	B-2583-S	4	45	B-106
#2 Sol	12" & up	B-588-S①	4	45	B-106
#2	1-1/4" to 4"	B-9233	4	45	B-106
#2	4" to 6"	B-2480	4	45	B-106
#2	6" to 10"	B-2583	4	45	B-106
#1	1-1/4" to 4"	B-2482	4	65	B-106
#1	4" to 6"	B-2483	4	65	B-106
#1	6" to 10"	B-2484	4	65	B-106
1/0	1-1/4" to 4"	B-2486	4	90	B-106
1/0	4" to 6"	B-2487	4	90	B-106
1/0	6" to 10"	B-2488	4	90	B-106

Cable Size	Pipe Size	Mold Number	Price Key	Weld Metal	Handle Clamps
2/0	1-1/4" to 4"	B-8833	4	90	B-106
2/0	4" to 6"	B-2490	4	90	B-106
2/0	6" to 10"	B-2491	4	90	B-106
3/0	1-1/4" to 4"	B-2493	4	115	B-106
3/0	4" to 6"	B-2494	4	115	B-106
3/0	6" to 10"	B-2495	4	115	B-106
4/0	1-1/4" to 4"	B-9021	4	115	B-106
4/0	4" to 6"	B-2497	4	115	B-106
4/0	6" to 10"	B-2498	4	115	B-106

① Flat Surface Mold; These items can be used to Flat Steel or to Pipe

NOTES:

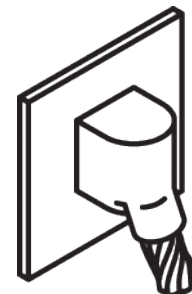
- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

- B38-0309-00 Flint Ignitor
- B38-3922-00 Mold Cleaning Brush
- B38-0135-00 Cable Cleaning Brush
- B38-0330-00 Cable Clamp



Cable to Flat Steel



Cable to Pipe

Exothermic Grounding

Type BCS-23 Molds; Vertical Cable Drop to Vertical Steel
Type BCS-4 Molds; Vertical Through Cable to Vertical Steel

Type BCS-23 Molds

Vertical Cable Drop to Vertical Steel Surface

Type BCS-23 Molds are used to join vertical cable down to a vertical steel surface. Note that the cable is OFF the surface. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-5389	4	45	B-106
#4	B-5359	4	65	B-106
#2	B-2781	4	65	B-106
#1	B-5361	4	90	B-106
1/0	B-2189	4	115	B-106
2/0	B-2540	4	115	B-106
3/0	B-5362	4	150	B-106
4/0	B-8718	4	150	B-106
250 kcmil	B-8165	4	200	B-106
300 kcmil	B-5363	4	200	B-106
350 kcmil	B-9029	4	250	B-106
500 kcmil	B-8512	17	2-150	B-106



NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

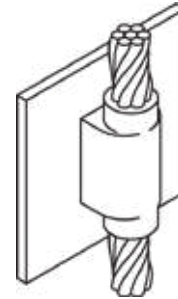
B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

Type BCS-4 Molds

Vertical Through Cable to Vertical Steel Surface

Type BCS-4 Molds are used to join a vertical through copper cable to a vertical steel surface. Note that the cable is OFF the surface. For molds with the cable on the surface, contact BURNDY®. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed.

Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-1215	4	90	B-106
#4	B-1216	4	90	B-106
#2	B-1218	4	115	B-106
#1	B-1219	4	115	B-106
1/0	B-1220	17	200	B-106
2/0	B-1221	17	200	B-106
3/0	B-1222	17	250	B-106
4/0	B-1223	17	250	B-106
250 kcmil	B-1224	17	250	B-106
300 kcmil	B-1225-H	6	500	B-107
350 kcmil	B-1226-H	6	3-200	B-107
500 kcmil	B-1228-H	6	3-250	B-107



NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

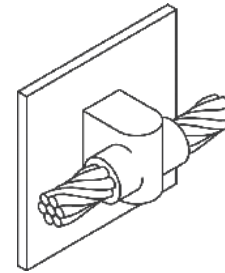
Recommended Accessories:

B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

Type BCS-6 Molds

Horizontal Through Cable to Vertical Steel Surface

Type BCS-6 Molds are used to join horizontal through copper cable to a vertical steel surface. Note that the cable is OFF the surface. Size range is #6 through 250 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-1626	4	65	B-106
#4	B-1627	4	65	B-106
#2	B-1628	4	65	B-106
#1	B-1629	4	90	B-106
1/0	B-1630	4	115	B-106
2/0	B-1631	4	115	B-106
3/0	B-1632	4	150	B-106
4/0	B-1633	4	150	B-106
250 kcmil	B-1634	4	150	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
 B38-3922-00 Mold Cleaning Brush
 B38-0135-00 Cable Cleaning Brush
 B38-0330-00 Cable Clamp

Type BCS-7 Molds

Overhead Vertical Tap Cable to Vertical Steel Surface

Type BCS-7 Molds are used to join an overhead vertical copper conductor drop tap to a vertical steel surface. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-1635	4	65	B-106
#4	B-1636	4	65	B-106
#3	B-1637	4	65	B-106
#2	B-1638	4	65	B-106
#1	B-1639	4	90	B-106
1/0	B-1640	4	150	B-106
2/0	B-1641	4	150	B-106
3/0	B-1642	17	200	B-106
4/0	B-1643	17	200	B-106
250 kcmil	B-1644	17	200	B-106
300 kcmil	B-1645	17	250	B-106
350 kcmil	B-1646	6	2-150	B-107
500 kcmil	B-1648	6	2-200	B-107
750 kcmil	B-1649	6	500	B-107
1000 kcmil	B-1650	6	3-200	B-107

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
 B38-3922-00 Mold Cleaning Brush
 B38-0135-00 Cable Cleaning Brush
 B38-0330-00 Cable Clamp

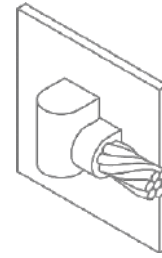
Exothermic Grounding

Type BCS-18 Molds; Horizontal Tap Cable to Vertical Steel
Type BCS-5 Molds; Horizontal Cable Tap to Horizontal Cast Iron

Type BCS-18 Molds

Horizontal Tap Cable to Vertical Steel Surface

Type BCS-18 Molds are used to connect a horizontal conductor to a vertical steel surface. Note that the cable is ON the surface. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6	B-5910	4	45	B-106
#4	B-2761	4	45	B-106
#1	B-6060	4	65	B-106
1/0	B-5419	4	90	B-106
2/0	B-2567	4	90	B-106
3/0	B-6072	4	115	B-106
4/0	B-9253	4	115	B-106
250 kcmil	B-2568	4	115	B-106
300 kcmil	B-6061	4	150	B-106
350 kcmil	B-6067	4	200	B-106
500 kcmil	B-8359	4	200	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

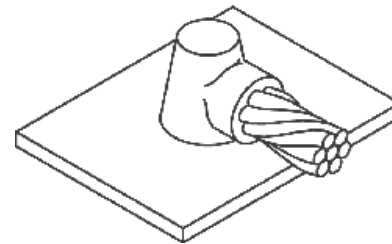
Recommended Accessories:

B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

Type BCS-5 Molds

Horizontal Cable Tap to Horizontal Cast Iron Surface

Type BCS-5 Molds are used to join horizontal cable taps to horizontal cast iron surfaces. Note that the cable is ON the surface. Size range is #6 through #1 solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



Cable Size	Mold Number	Price Key	Weld Metal	Handle Clamps
#6 Sol	B-1613	3 ①	2SCI	Incl.
#6	B-1614	3 ①	25CI	Incl.
#4 Sol	B-1615	3 ①	45CI	Incl.
#4	B-1616	3 ①	45CI	Incl.
#2 Sol	B-1617	3 ①	45CI	Incl.
#2	B-1618	3 ①	45CI	Incl.
#1 Sol	B-1619	3 ①	65CI	Incl.
#1	B-1620	3 ①	65CI	Incl.

① B38-0309-00 Flint ignitor included

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

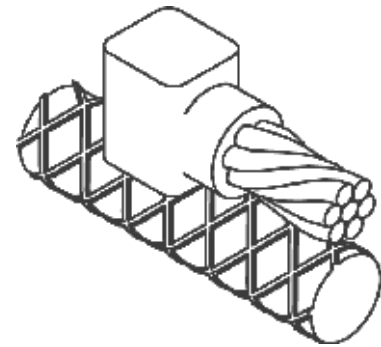
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

DO NOT use Type BCS-5 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of pipe being used to determine the possibility of detrimental metallurgical effects.

Type BCRE-1 Molds Horizontal Parallel Tap to Rebar

Type BCRE-1 Molds are recommended for parallel, horizontal connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6 and larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture. Contact BURNDY® for information on molds for conductors not listed below.



Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
3	#6	B-7500	B38032900	4	25	B-106
	#4	B-7501	B38032900	4	32	B-106
	#2	B-7502	B38032900	4	45	B-106
	#1	B-7503	B38032900	4	65	B-106
	1/0	B-7504	B38032900	4	90	B-106
	2/0	B-7505	B38032900	4	90	B-106
	3/0	B-7506	B38032900	4	115	B-106
4 & Larger	4/0	B-7507	B38032900	4	115	B-106
	#6	B-7508	B38406100	3 ①	25	Incl.
	#4	B-7509	B38406100	3 ①	32	Incl.
	#2	B-7510	B38406100	3 ①	45	Incl.
4	#1	B-7511	B38406100	3 ①	65	Incl.
	1/0	B-7512	B38032900	4	90	B-106
	2/0	B-7513	B38032900	4	90	B-106
	3/0	B-7514	B38032900	4	115	B-106
5	4/0	B-7515	B38032900	4	115	B-106
	1/0	B-7520	B38032900	4	90	B-106
	2/0	B-7521	B38032900	4	90	B-106
	3/0	B-7522	B38032900	4	115	B-106
6 & Larger	4/0	B-7523	B38032900	4	115	B-106
	1/0	B-7528	B38406200	14+	90	Incl.
	2/0	B-7529	B38406200	14+	90	Incl.
	3/0	B-7530	B38406200	14+	115	Incl.
	4/0	B-7531	B38406200	14+	115	Incl.

PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

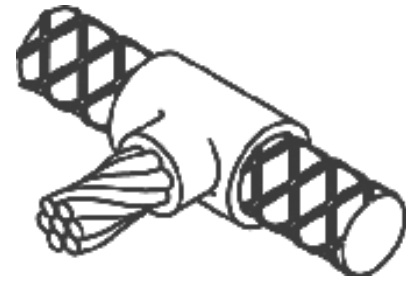
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

① B38-0309-00 Flint ignitor included

Type BCRE-2 Molds Horizontal Cable Tap to Horizontal Rebar Run

Type BCRE-2 Molds are recommended for right angle, horizontal connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.



Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
3	#6	B-7588	B38032900	4	45	B-106
	#4	B-7589	B38032900	4	45	B-106
	#2	B-7590	B38032900	4	65	B-106
	#1	B-7591	B38032900	4	65	B-106
	1/0	B-7592	B38032900	4	90	B-106
	2/0	B-7593	B38032900	4	90	B-106
	3/0	B-7594	B38032900	4	115	B-106
	4/0	B-7595	B38032900	4	115	B-106
4	#6	B-7596	B38032900	4	45	B-106
	#4	B-7597	B38032900	4	45	B-106
	#2	B-7598	B38032900	4	65	B-106
	#1	B-7599	B38032900	4	65	B-106
	1/0	B-7600	B38032900	4	90	B-106
	2/0	B-7601	B38032900	4	90	B-106
	3/0	B-7602	B38032900	4	115	B-106
	4/0	B-7603	B38032900	4	115	B-106
5	#6	B-7604	B38032900	4	90	B-106
	#4	B-7605	B38032900	4	90	B-106
	#2	B-7606	B38032900	4	90	B-106
	#1	B-7607	B38032900	4	90	B-106
	1/0	B-7608	B38032900	4	115	B-106
	2/0	B-7609	B38032900	4	115	B-106
	3/0	B-7610	B38032900	4	150	B-106
	4/0	B-7611	B38032900	4	150	B-106
6	#6	B-7612	B38032900	4	90	B-106
	#4	B-7613	B38032900	4	90	B-106
	#2	B-7614	B38032900	4	90	B-106
	#1	B-7615	B38032900	4	90	B-106
	1/0	B-7616	B38032900	4	115	B-106
	2/0	B-7617	B38032900	4	115	B-106
	3/0	B-7618	B38032900	4	150	B-106
	4/0	B-7619	B38032900	4	150	B-106

PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

Type BCRE-3 Molds Horizontal through Cable to Vertical Rebar

Type BCRE-3 Molds are recommended for horizontal conductors to vertical rebar connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #7 & larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture. Contact BURNDY® for information on molds for conductors not listed below.



Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
3	#6	B-7620	B38032900	24	90	B-106
	#4	B-7621	B38032900	24	90	B-106
	#2	B-7622	B38032900	24	90	B-106
	#1	B-7623	B38032900	24	115	B-106
	1/0	B-7624	B38032900	24	115	B-106
	2/0	B-7625	B38032900	24	115	B-106
	3/0	B-7626	B38032900	24	150	B-106
	4/0	B-7627	B38032900	24	150	B-106
4	#6	B-7628	B38032900	24	90	B-106
	#4	B-7629	B38032900	24	90	B-106
	#2	B-7630	B38032900	24	90	B-106
	#1	B-7631	B38032900	24	115	B-106
	1/0	B-7632	B38032900	24	115	B-106
	2/0	B-7633	B38032900	24	115	B-106
	3/0	B-7634	B38032900	24	150	B-106
	4/0	B-7635	B38032900	24	150	B-106
5	#6	B-7636	B38032900	24	90	B-106
	#4	B-7637	B38032900	24	90	B-106
	#2	B-7638	B38032900	24	90	B-106
	#1	B-7639	B38032900	24	115	B-106
	1/0	B-7640	B38032900	24	115	B-106
	2/0	B-7641	B38032900	24	115	B-106
	3/0	B-7642	B38032900	24	150	B-106
	4/0	B-7643	B38032900	24	150	B-106

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps	
6	#6	B-7644	B38032900	24	90	B-106	
	#4	B-7645	B38032900	24	90	B-106	
	#2	B-7646	B38032900	24	90	B-106	
	#1	B-7647	B38032900	24	115	B-106	
	1/0	B-7648	B38032900	24	115	B-106	
	2/0	B-7649	B38032900	24	115	B-106	
	3/0	B-7650	B38032900	24	150	B-106	
	4/0	B-7651	B38032900	24	150	B-106	
	7 & Larger	#6	B-7652	B38406300	4	90	B-106-41
		#4	B-7653	B38406300	4	90	B-106-41
#2		B-7654	B38406300	4	90	B-106-41	
#1		B-7655	B38406300	4	115	B-106-41	
1/0		B-7656	B38406300	4	115	B-106-41	
2/0		B-7657	B38406300	4	115	B-106-41	
3/0		B-7658	B38406300	4	150	B-106-41	
4/0		B-7659	B38406300	4	150	B-106-41	

Required Tools:

Handle Clamps - see chart for correct handle catalog number

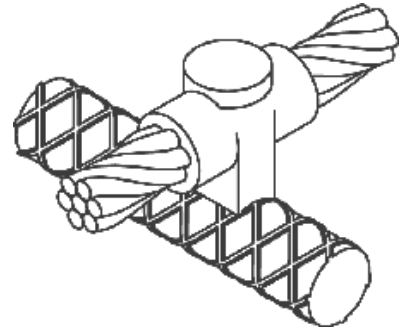
Recommended Accessories:

- B38-0309-00 Flint Ignitor
- B38-3922-00 Mold Cleaning Brush
- B38-0135-00 Cable Cleaning Brush
- B38-0330-00 Cable Clamp

Type BCRE-4 Molds

Horizontal through Cable to Horizontal Rebar

Type BCRE-4 Molds are recommended for horizontal through conductors to horizontal rebar at right angle connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6 & larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture. Contact BURNDY® for information on molds for conductors not listed below.



Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
3	#6	B-7708	B38032900	4	65	B-106
	#4	B-7709	B38032900	4	65	B-106
	#2	B-7710	B38032900	4	90	B-106
	#1	B-7711	B38032900	4	90	B-106
	1/0	B-7712	B38032900	22	115	B-106
	2/0	B-7713	B38032900	22	115	B-106
	3/0	B-7714	B38032900	22	150	B-106
	4/0	B-7715	B38032900	22	150	B-106
4	#6	B-7716	B38032900	4	65	B-106
	#4	B-7717	B38032900	4	65	B-106
	#2	B-7718	B38032900	4	90	B-106
	#1	B-7719	B38032900	22	90	B-106
	1/0	B-7720	B38032900	22	115	B-106
	2/0	B-7721	B38032900	22	115	B-106
	3/0	B-7722	B38032900	22	150	B-106
	4/0	B-7723	B38032900	22	150	B-106
5	#6	B-7724	B38032900	4	65	B-106
	#4	B-7725	B38032900	4	65	B-106
	#2	B-7726	B38032900	4	90	B-106
	#1	B-7727	B38032900	22	90	B-106
	1/0	B-7728	B38032900	22	115	B-106
	2/0	B-7729	B38032900	22	115	B-106
	3/0	B-7730	B38032900	22	150	B-106
	4/0	B-7731	B38032900	22	150	B-106
6 & Larger	#6	B-7732	B38406100	14 ①	65	Incl.
	#4	B-7733	B38406100	14 ①	65	Incl.
	#2	B-7734	B38406100	14 ①	90	Incl.
	#1	B-7735	B38406100	14 ①	90	Incl.
	1/0	B-7736	B38406200	14 ①	115	Incl.
	2/0	B-7737	B38406200	14 ①	115	Incl.
	3/0	B-7738	B38406200	14 ①	150	Incl.
	4/0	B-7739	B38406200	14 ①	150	Incl.

PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

① B38-0309-00 Flint ignitor included

Type BCRE-6 Molds Horizontal Cable Tap to Vertical Rebar

Type BCRE-6 Molds are recommended for horizontal conductors terminating at right angles to vertical rebar connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #7 and larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.

Contact BURNDY® for information on molds for conductors not listed below.



PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
3	#6	B-7884	B38032900	4	45	B-106
	#4	B-7885	B38032900	4	45	B-106
	#2	B-7886	B38032900	4	65	B-106
	#1	B-7887	B38032900	4	90	B-106
	1/0	B-7888	B38032900	4	115	B-106
	2/0	B-7889	B38032900	4	115	B-106
	3/0	B-7890	B38032900	4	150	B-106
	4/0	B-7891	B38032900	4	150	B-106
4	#6	B-7892	B38032900	4	45	B-106
	#4	B-7893	B38032900	4	65	B-106
	#2	B-7894	B38032900	4	65	B-106
	#1	B-7895	B38032900	4	90	B-106
	1/0	B-7896	B38032900	4	115	B-106
	2/0	B-7897	B38032900	4	115	B-106
	3/0	B-7898	B38032900	4	150	B-106
	4/0	B-7899	B38032900	4	150	B-106
5	#6	B-7900	B38032900	4	45	B-106
	#4	B-7901	B38032900	4	65	B-106
	#2	B-7902	B38032900	4	65	B-106
	#1	B-7903	B38032900	4	90	B-106
	1/0	B-7904	B38032900	4	115	B-106
	2/0	B-7905	B38032900	4	115	B-106
	3/0	B-7906	B38032900	4	150	B-106
	4/0	B-7907	B38032900	4	150	B-106

Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
6	#6	B-7908	B38032900	4	45	B-106
	#4	B-7909	B38032900	4	65	B-106
	#2	B-7910	B38032900	4	65	B-106
	#1	B-7911	B38032900	4	90	B-106
	1/0	B-7912	B38032900	4	115	B-106
	2/0	B-7913	B38032900	4	115	B-106
	3/0	B-7914	B38032900	4	150	B-106
	4/0	B-7915	B38032900	4	150	B-106
7 & Larger	#6	B-7916	B38406300	4	45	B-106-32 ①
	#4	B-7917	B38406300	4	65	B-106-32 ①
	#2	B-7918	B38406300	4	65	B-106-32 ①
	#1	B-7919	B38406300	4	90	B-106-32 ①
	1/0	B-7920	B38406300	4	115	B-106-32 ①
	2/0	B-7921	B38406300	4	115	B-106-32 ①
	3/0	B-7922	B38406300	4	150	B-106-32 ①
	4/0	B-7923	B38406300	4	150	B-106-32 ①

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

- ① The B106-32 comes complete with a B-106 handle clamp and B40-0106-76 vertical chain clamp. Although good for use on all sizes of rebar, vertical chain clamps are strongly recommended on large size rebar as they hold the mold to the rebar securely. If you already have a B-106 handle clamp, you can purchase the vertical chain clamps separately.

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

- B38-0309-00 Flint Ignitor
- B38-3922-00 Mold Cleaning Brush
- B38-0135-00 Cable Cleaning Brush
- B38-0330-00 Cable Clamp

BURNDY® GROUNDMAX™

GROUNDMAX™ is an economical solution for areas with very difficult grounding issues. BURNDY® GROUNDMAX™ is highly conductive in a wet or dry application and does not require moisture to lower the resistance of your grounding system. BURNDY® GROUNDMAX™ contains a corrosion inhibitor which forms a film on copper, creating a barrier against corrosion. BURNDY® GROUNDMAX™ can be poured in dry or pumped in slurry form. No tamping required. It is very contractor friendly. No special tools required.

Catalog Number	Bag Size (lbs)
GROUNDMAX50	50
GROUNDMAX25	25

BURNDY® GROUNDMAX™ Advantages:

- Easy to install
- Electrically conductive
- Environmentally friendly
- Will not leach into the ground
- Positive low resistance, electrical connection to earth
- Does not contain any hazardous chemicals
- Compatible with all copper grounding systems
- Contains a corrosion inhibitor to protect copper
- Will not expand or shrink
- Not affected by freezing
- Excellent shelf life
- Typical resistivity <10 Ohm-cm

Material Required per Linear Foot of Trench												
Width of Trench (inches)												
		4	6	8	10	12	14	16	18	20	22	24
Thickness of BURNDY® GROUNDMAX™ (Inches)	2	4.10	6.20	8.10	10.10	12.10	14.10	16.20	18.20	20.20	22.20	24.20
	3	6.20	9.30	12.10	15.20	18.20	21.20	24.20	27.30	30.30	33.30	36.40
	4	8.20	12.30	16.20	20.20	24.20	28.30	32.30	36.40	40.40	44.50	48.50
	5	10.30	15.40	20.20	25.30	30.30	35.40	40.40	45.50	50.60	55.60	60.60
	6	12.30	18.50	24.20	30.30	36.40	42.40	48.50	54.60	60.60	66.70	72.70
	7	14.40	21.60	28.30	35.40	42.40	49.50	56.60	63.70	70.70	77.80	84.90
	8	16.40	24.70	32.30	40.40	48.50	56.00	64.70	72.70	80.80	88.90	97.00
	9	18.50	27.80	36.40	45.50	54.60	63.70	72.70	81.80	90.90	100.00	109.10
	10	20.60	30.80	40.40	50.50	60.60	70.70	80.80	90.90	101.00	111.10	121.20

To calculate the pounds of material required to fill a trench:

- Determine desired thickness
- Move to the right on the chart above until you are under the known width of the trench - this number will be the weight of the material in lbs/linear ft
- Take this number and multiply by the length of the trench in feet; your answer will be the amount of BURNDY® GROUNDMAX™ material required to fill the trench to the desired level in pounds

Example:

Thickness = 6 inches
 Width of trench = 18 inches
 54.6 lbs per linear ft (see table above)
 Answer = 54.6 lbs per linear ft x 25 ft trench = 1,365 lbs of BURNDY® GROUNDMAX™
 = Quantity of 28 50-lb bags of BURNDY® GROUNDMAX™

BURNDY® GROUNDMAX™

Application Information

Vertical Installation

Drill or bore a hole the desired diameter and depth. Suspend ground electrode in center of hole to be filled. Pour BURNDY® GROUNDMAX™ until desired level is obtained. No tamping is required.

Horizontal or Grid Construction ①

Pour into horizontal trench until level of ground wire is reached. Place ground wire. Pour additional BURNDY® GROUNDMAX™ until wire is covered to desired height. Cover with fill. No tamping required.

For grid construction, pour BURNDY® GROUNDMAX™ and spread over ground grid until desired thickness is achieved. Cover with fill.

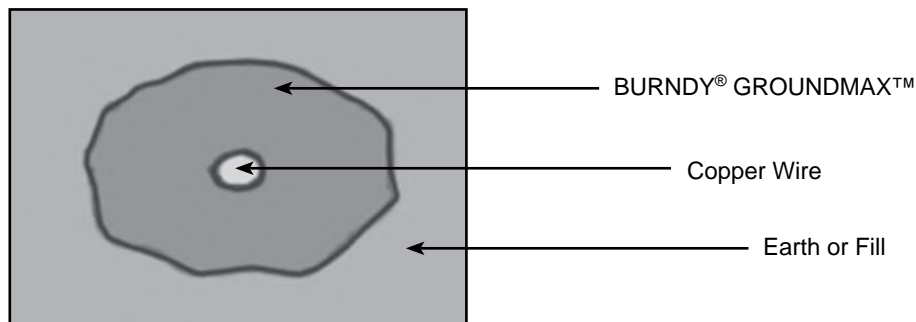
① Entire grounding system should be surrounded by BURNDY® GROUNDMAX™. Conductors should be insulated as they exit BURNDY® GROUNDMAX™ column.

Dry Volume of BURNDY® GROUNDMAX™ vs. Hole Size		Ground Resistance Comparison of Bare Rod vs.	
Hole Size	Lbs. of BURNDY® GROUNDMAX™ Per Ft.	Hole Size with 5/8" x 10' Rod in Center of 15' Hole	Percent Resistance Compared to Rod Only (100%)
4"	6.5	4"	52%
6"	14.5	6"	47%
8"	25.8	8"	44%
10"	40.4	10"	42%
12"	58.1	12"	40%

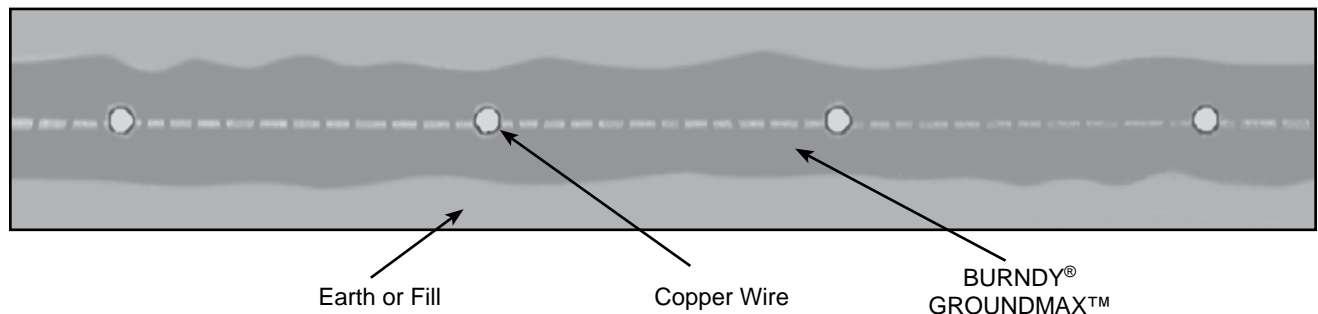
Steady State Leakage Resistance ② Using 4/0 Copper Wire vs. BURNDY® GROUNDMAX™					
Length	0.457" Diameter Wire Only	Percentage of Resistance with 0.457" Wire Plus BURNDY® GROUNDMAX™ in Various Diameters Compared to Wire Only (100%)			
		2"	3"	4"	6"
25'	100%	83%	78%	74%	69%
50'	100%	85%	81%	77%	73%
75'	100%	86%	82%	79%	75%
100'	100%	87%	83%	80%	77%
150'	100%	88%	84%	82%	78%
200'	100%	88%	85%	83%	79%
250'	100%	89%	85%	83%	80%
300'	100%	89%	86%	84%	80%

② The use of BURNDY® GROUNDMAX™ around the grounding system will also reduce surge impedance by increasing the effective contact area of the electrode to soil.

Horizontal Construction



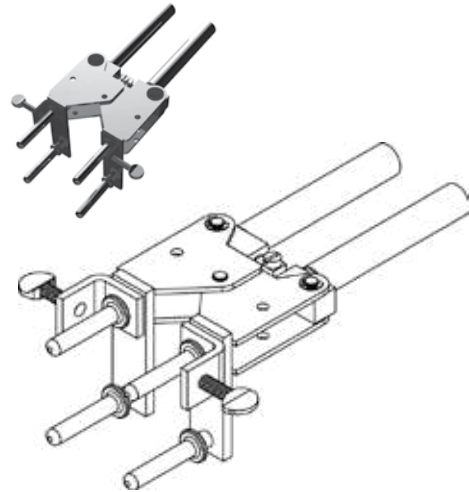
Grid Construction



Handle Clamps

BURNDYWeld® Handle Clamps make possible the use of many different sizes and types of molds with only two different clamps. The two handle clamps are catalog numbers B-106 & B-107. These will fit 95% of all standard BURNDYWeld® molds.

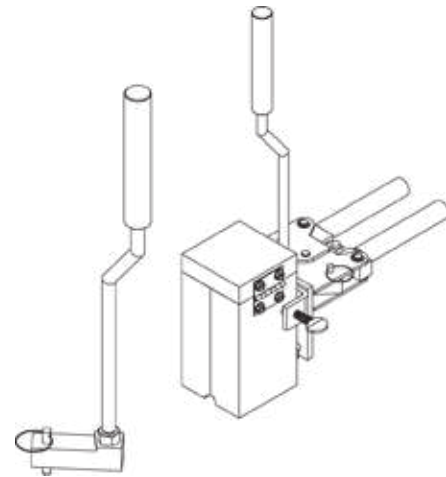
1. Use B-106 clamps for all molds having a price key 4, 7, 17, 22 or 24. These molds are a nominal 3 1/8" x 3 1/8" square.
2. Use B-107 clamps for all molds having a price key 5, 6, 8 or 23. These molds are a nominal 4" x 4" square.
3. All molds having a price key 2, 3, 9, 10, 11, 12, 14, 15 or 16 have an attached frame; separate handles are not required.



Handle Attachment

This Handle Attachment is used to hold Price Key 14 molds in position. It easily attaches to the B-106 Handle Clamp. This Handle Attachment can be used with weld types BCRE-1 and BCRE-4.

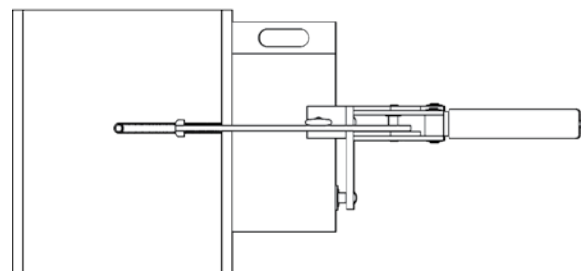
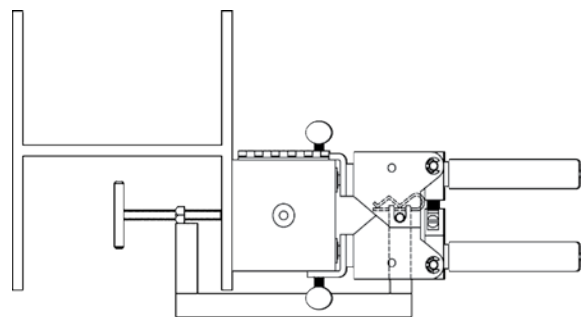
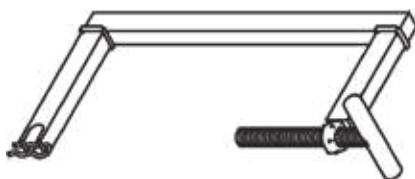
Catalog Number: B40-0106-75



Mold Support Clamp

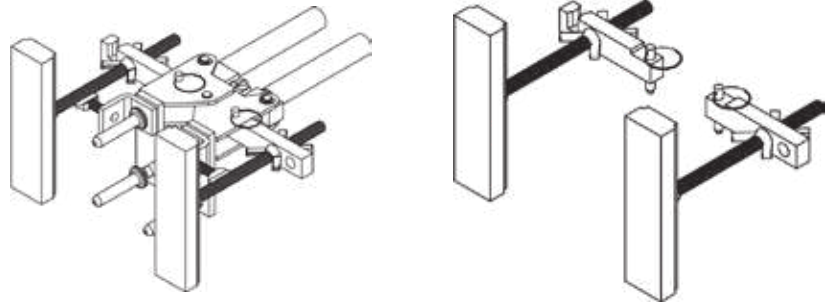
Mold Support Clamp is used to hold a mold in position on a vertical steel column or angle. It is easily attached to the Handle Clamps. The Mold Support Clamp can be used with weld types BCS-3, BCS-18, BCS-23 and BCS-27.

Catalog Number: B40-3657-00



Vertical Magnetic Clamps

Magnetic Clamps are used to hold a mold in position on a vertical steel surface. The magnetic clamp can be purchased complete with B-106 Handle Clamps or if you already have a set of handle clamps, you can order just the magnetic mounting assembly. The mounting assembly can easily be mounted on the prongs of your existing B-106 handle clamps. A minimum of 10" is required.



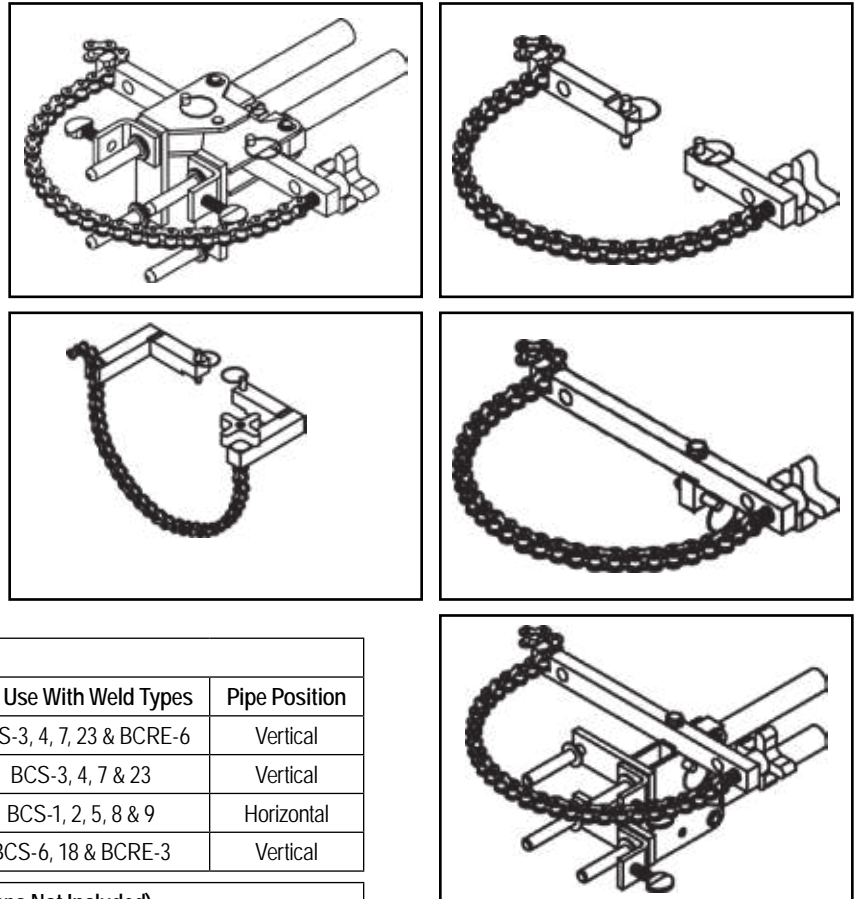
Magnetic Clamps with B106 Handle		
Catalog Number	Fits Molds w/ Price Key	For Use with Weld Types
B40-4431-00	4 & 17	BCS-3, 4, 7 & 23

Magnetic Clamp Only		
Catalog Number	Fits Handle Clamps	For Use with Weld Types
B40-4431-01	B-106 & B-107	BCS-3, 4, 7 & 23

Horizontal and Vertical Chain Clamps

Chain Clamps are used to hold a mold in position on horizontal or vertical pipe up to 4" in diameter. For larger pipe a 20" chain extension is available to allow the chain clamps to be used on pipe up to 10" in diameter. The chain clamp can be purchased complete with B-106 or B-107 Handle Clamps or if you already have a set of handle clamps, you can order just the chain clamp and mounting assembly. The mounting assembly can easily be attached to your existing handle clamps.

20" Chain Extension Catalog number: **B40-0106-27**



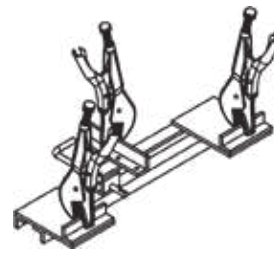
Chain Clamps			
Catalog Number	Fits Molds W/Price Key	For Use With Weld Types	Pipe Position
B106-32	4, 17, 22 & 24	BCS-3, 4, 7, 23 & BCRE-6	Vertical
B107-32	5, 6 & 23	BCS-3, 4, 7 & 23	Vertical
B106-37	4, 17, 22 & 24	BCS-1, 2, 5, 8 & 9	Horizontal
B40-0106-41	4, 17	BCS-6, 18 & BCRE-3	Vertical

Chain Clamp Only (Handle Clamps Not Included)			
Catalog Number	Fits Handle Clamp	For Use With Weld Types	Pipe Position
B40-0106-76	B-106 & B-107	BCS-3, 4, 7, 23 & BCRE-6	Vertical
B40-0106-78	B-106 & B-107	BCS-1, 2, 5, 8 & 9	Horizontal
B40-0106-77	B-106 & B-107	BCS-6, 18 & BCRE-3	Vertical

Cable Clamp

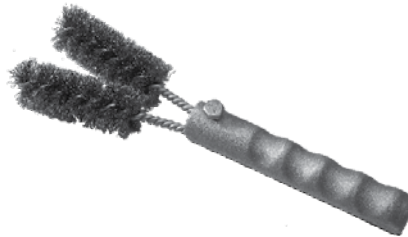
The BURNDYWeld® Cable Clamp is recommended for holding a wide range of cables properly in place in molds when welding cables that are under tension. This prevents the cables from pulling out of the mold when the weld is made.

Cable Clamp: **B38-0330-00**



Cable Cleaning and Card Cloth Brush

The Cable Cleaning Brush is recommended for cleaning heavily oxidized cables. The V-shape brushes permit their use over a wide range of cable sizes. Brush assembly consists of a handle with two stiff wire bristle brushes that are rotatable, for longer life and are replaceable.



The Card Cloth Brush is used for cleaning large conductors and bus bar. It has short stiff bristles. These brushes are for cleaning cable only, not molds.

The Mold Cleaning Brush **B38-3922-00** is used to clean the graphite mold without scratching the mold.

Description	Catalog Number
Cable Cleaning Brush	B38-0305-00
Replacement Brush	B38-0135-01
Card Cloth Brush	B38-0306-00
Mold Cleaning Brush	B38-3922-00



Mold Cleaners

Mold Cleaners are used to clean the slag from molds that are not split through the crucible.

B40-0319-01 for cartridge sizes #15 through #65

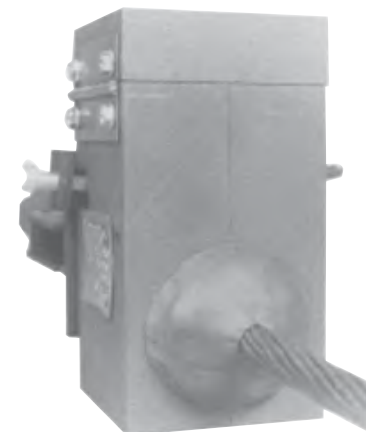
B40-0319-03 for cartridge sizes #90 through #500



Packing Material

Packing material is used to prevent the molten weld metal from leaking out of the mold. When the cable opening becomes worn from heavy use, the packing material may be used to prolong mold use. It is also used around 7 strand cable to prevent leaking. Packing material comes in a 1 lb. or 5 lb. package.

Description	Catalog Number
1 lb. package	B38412900
5 lb. package	B38412905



Tool Kit



- B38-0302-00** Tool Kit with Tools Shown except Rasp
- B38-0302-02** Tool Kit with Tools Shown and Rasp
- B38-0303-00** Tool Box only



BURNDYWeld® Tools

The **B38-0309-00** Flint Ignitor is used to ignite the starting powder. Each mold that is sold with a frame has a Flint Ignitor included.

For added safety a Flint Ignitor extension is available, catalog number **B38-0904-00**, that attaches to the **B38-0309-00** Flint Ignitor. This allows installers to stay approximately 36" away from the mold.

To order replacement flints, specify part number **B38-0309-01**.

- B38-0309-00** Flint Ignitor
- B38-0304-00** 8" File
- B38-0307-00** Crimping Tool
- B38-3922-00** Mold Cleaning Brush
- B38-0308-00** 6" Screwdriver
- B38-0305-00** Wire Brush
- B38-0101-00** Rasp
- B38-0306-00** Card Cloth Brush

B38-0101-00 Rasp

This tempered steel, curved rasp is recommended for removing rust and mill scale from steel and cast iron surfaces. The blade is replaceable. To order replacement rasp blade, specify catalog number **B38-0101-01**.

Not recommended for use on galvanized surfaces.



B38-0309-00 Flint Ignitor

The **B38-0309-00** Flint Ignitor is used to ignite the starting powder. Each mold that is sold with a frame has a Flint Ignitor included. For added safety a Flint Ignitor extension is available, catalog number **B38-0904-00**, that attaches to the **B38-0309-00** Flint Ignitor. This allows installers to stay approximately 36" away from the mold.

To order replacement flints, specify part number **B38-0309-01**



Ground Rod Driving Sleeves

Ground Rod Driving Sleeves are placed over the top of a ground rod while driving it into the ground. This prevents the top from mushrooming or flaring out. Ground rod driving sleeves are available in sizes to fit all standard unthreaded ground rods.

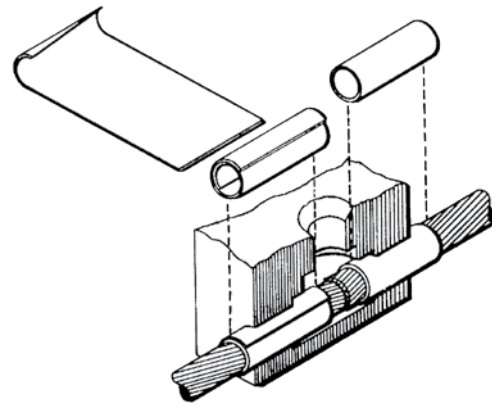


Catalog Number	For Use On
B38-3662-01	1/2" Copper Clad or Steel Ground Rod
B38-3662-02	5/8" Copper Clad Ground Rod
B38-3662-05	5/8" Steel Ground Rod
B38-3662-03	3/4" Copper Clad Ground Rod
B38-3662-06	3/4" Steel Ground Rod
B38-3662-04	1" Copper Clad Ground Rod

Shim Stock and Adapter Sleeves

BURNDYWeld® molds designed for larger cable sizes can be used on smaller diameter cables if copper adapter sleeves or shim stock are utilized. The copper shim stock, .0108" x 1-1/2" x 3", is normally wrapped around cable until the diameter is about equal to the cable opening. A tight fit is not necessary as the shim stock will unwrap slightly and prevent leakage of weld metal.

To order shim stock use part number B38-0329-00. Shim stock comes 100 pieces per box.



For Use on Cable Size		Part Number	Use in Mold Size	Sleeve Dimensions		
Stranded	Solid			O.D. Size	I.D.	Length
#12, #14	#10, #12, #14	BA-200	#6 Str. & Sol.	0.15	0.11	1.00
#9, #10	#8, #9, #10	BA-208	#4 Sol.	0.20	0.14	1.00
#7, #8, #10	#6, #8	BA-201	#4	0.22	0.17	1.00
#6	#5	BA-202	#2	0.29	0.19	1.00
#4, #5	#3, #4	BA-207	#2	0.30	0.24	1.00
#4	#2	BA-204	#1	0.34	0.24	1.00
#2	#1	BA-203	1/0	0.37	0.30	1.00
#1	1/0	BA-209	2/0	0.42	0.35	1.00
1/0, #1	2/0	BA-205	3/0 & 4/0 Sol.	0.46	0.38	1.00
2/0, 1/0	3/0	BA-240	4/0	0.52	0.43	1.50
4/0	—	BA-211	300 kcmil	0.62	0.54	1.25
250 kcmil	—	BA-212	350 kcmil	0.67	0.59	1.25
350, 400 kcmil	—	BA-213	500 kcmil	0.81	0.76	1.50
250, 300, 350 kcmil	—	BA-214	500 kcmil	0.81	0.70	1.50
750, 800 kcmil	—	BA-215	1000 kcmil	1.15	1.05	1.50

Table of Contents

Wiley Solutions - Not Just for Solar Anymore!
 Solutions for Standard or Challenging Wire Management, Bonding, or
 Grounding Applications..... E-136

Wiley Cable Clips
 Flange Clips..... E-137
 90° Flange Clips..... E-138
 180° Flange Clips..... E-138
 Rail Clips..... E-138

Wiley Bundle Straps..... E-139

Wiley Edge Clip with Cable Tie..... E-140

Wiley Coated Wire Management
 Coated Straps..... E-141
 Coated P-Clips..... E-141

Grounding Lugs..... E-142

WEEB® Washers (Washer Electrical Equipment Bond)..... E-143

Telecom WEEB® Washer Two-Hole..... E-150

Telecom WEEB® Washer Single Hole..... E-151

Bonding Jumper..... E-153

Mid-Clamps..... E-155

ACE Conduit Entry Box..... E-156

Wiley Solutions Not just for Solar Anymore!

Whether installing miles of wire or acres of solar modules, the components no bigger than a few inches can give the project long-term success and provide peace of mind. As PV technology has evolved, BURNDY continues to provide solutions that meet the requirements of the most challenging applications.

The Wiley product offering encompasses varied products to suit the application at hand.

ACE Conduit Entry Boxes offer side and bottom conduit drill-out for easy conduit routing and a choice of pass-through or combiner box with bracket. UL1741 Listed.

Bonding Jumpers of corrosion resistant, tin-plated copper are available with or without the Wiley WEEB® washer. UL467 and UL2703 Listed.

Clamping Solutions offer reliability throughout the lifetime of the PV system. Mid-Clamp and End-Clamp designs for all types of solar module bonding. UL2703 Listed.

Grounding Lugs available with or without the WEEB® washer require no surface preparation of the mounting surface. UL467 and UL2703 Listed.

WEEB® Washers (Washer Electrical Equipment Bond) eliminate the need for older, more expensive grounding methods, and surface preparation like masking or scratch brushing. The WEEB® teeth pierce through most non-conductive coatings (e.g. anodization and powder coating) and embed into the underlying metal thus creating a bonding connection between the surface and the coated metal component that it is installed on or between (e.g. equipment racks, cabinets, enclosures, cable tray, lugs, etc.). Corrosion-resistant 304 stainless steel construction available in a myriad of styles all providing excellent conductivity without oxidation risk. UL467 and UL2703 Listed.

Wiley Cable Clips simplify wire management and provide a neat and orderly aesthetic to solar PV arrays and other installations. For use with a broad range of cable combinations and sizes. No tools required for installation and compatible on modules and a variety of rails. UL1565 Listed.

Wiley Bundle Straps manage bundles of wire. UV rated vinyl jacketing is designed to help protect the cable insulation from damage. Stainless Steel ferrule and wire safeguards system longevity. UL62275 Listed.

Coated Bundle Straps and P-Clips manage bundles of wire and are reusable. Coated steel protects cables from vibration and insulation damage. UL1565 and UL62275 Listed.

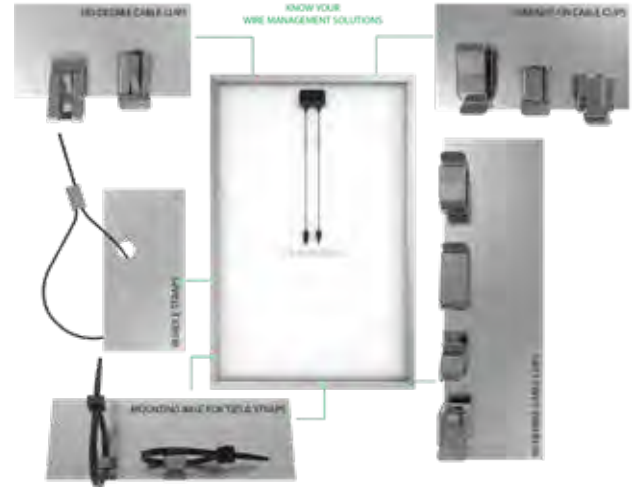




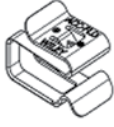

Wiley Cable Clips
High-quality wire management solutions

Engineered for high-quality wire management solutions, Wiley Cable Clips simplify wire management and create a cleaner aesthetic to solar PV arrays. The clips are made of corrosion resistant stainless steel, which makes for a durable, long lasting and reliable solution in all environments and are designed with coined and rolled edges to prevent damage to cable insulation. The designs are easy to install and remove with a flat head screwdriver. The clips can be used in a wide variety of mounting configurations (including 90 and 180 degrees) for module and rail applications. Custom designs are available upon request.













Features and Benefits:

- UL 1565 Listed
- Accommodates a broad range of cable combinations and sizes (e.g., USE-2, PV, AC module, and micro inverter cables)
- Environmentally tested - UL 2703 and ASTM B117
- No tools required for installation
- Coined and rolled edges to prevent damage to cable insulation
- Reliability for use throughout the lifetime of the PV system



Flange Clips				
304 Stainless Steel cable clips that install on the module frame or other equipment flange.				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC	1 to 2 USE-2 wires or 1 PV wire	Max. 0.216 [5.50]	1.3 - 2.5mm
	ACC-PV	1 to 2 PV wires	Max. 0.275 [7.00]	1.3 - 2.5mm
	ACC-FLD	1 to 2 PV wires	Max. 0.275 [7.00]	1.3 - 2.5mm
	ACC-FPV	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3mm

Wiley Cable Clips (Continued)

90 Degree Flange Clips				
304 Stainless Steel cable clips that install parallel or perpendicular on the module frame or other equipment flange.				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC-F90-1	1 to 2 USE-2 wires or 1 to 2 PV wire	Max. 0.29 [7.50]	1.3 - 2.5mm
	ACC-FPV90	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F2-90	1 to 2 Micro Inverter Trunk or AC cables	1 wire: Max. 0.55 [14.00] 2 wires Max. 0.43 [11.00]	1.3 - 2.5mm
	ACC-F4-90-1	1 to 4 PV wires	Max. 0.29 [7.50]	1.3 - 2.5mm
	ACC-F490	1 to 4 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F4F	1 to 4 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F1-270	2 PV wire or 1 Micro Inverter Trunk	Max. 0.55 [14.00]	1.0 - 3.0mm
180 Degree Flange Clips				
304 Stainless Steel cable clips that install on the flange at 180 degrees.				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC-FPV180	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F1-270	1 to 2 PV wires or 1 Micro Inverter Trunk	Max. 0.55 [14.00]	1.0 - 3.0mm
Rail Clips				
304 Stainless Steel cable clips that install on the rail, channel, or slot.				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Rail Type
	ACC-R2	1 to 2 Micro Inverter Trunk or AC cables	1 wire: Max. 0.55 [14.00] 2 wires Max. 0.43 [11.00]	Unirac, Ironrige or Similar Style
	ACC-R4	1 to 4 PV wires	Max. 0.29 [7.50]	Unirac, Ironrige or Similar Style
	ACC-RBC15	2 Micro Inverter Trunk or up to 4 PV wires	Max. 0.55 [14.00]	Rail Channel or Slot Width: 6.35mm to 13.5mm



ACC-F90-1 shown in both orientations



ACC-F1-270



ACC-FPV180



ACC-RBC15 shown

Wiley Bundle Straps

High-quality wire management solutions

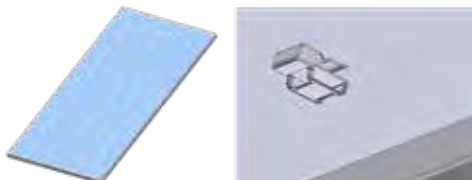
The Wiley Bundle Strap is made of corrosion resistant 304 stainless steel, which makes it a durable, long lasting and reliable solution for all environments. The vinyl jacket covering the stainless steel wire is designed to protect cable insulation from damage. The Wiley Bundle Strap is easy to install and can be crimped in the field with electrician linesman pliers or standard wire cutters. The crimp sleeve's retention feature allows for a quick, effortless, secure installation. Custom lengths available upon request.

Features and Benefits:

- UL 62275 Listed
- High quality, long-lasting, labor saving, wire management solution
- UV rated vinyl jacketed stainless steel wire with 304 stainless steel crimp
- Vinyl jacket designed to protect cable insulation from damage
- 304 stainless steel crimp sleeve allows for quick and easy installation
- Can be crimped in the field with electrician linesman pliers or standard wire cutters
- Retention feature allows for a quick, effortless, secure installation
- Lasts for the lifetime of the PV system
- RoHS compliant
- Custom lengths available upon request



Installing the ACC-FBC with WBS or UNIRAP™ cable tie



The ACC-FBC mounting base slides onto the module flange



Route a WBS or UNIRAP™ through the ACC-FBC mounting base



Secure desired cables by tightening the WBS or UNIRAP™

ACC-FBC shown with WBS8V

Wiley Bundle Straps

304 Stainless Steel wire covered with vinyl jacket helps protect cable insulation from damage.

Catalog Number	Length inch [mm]	Diameter inch [mm]	Max. Tensile Strength	Max. Bundle Diameter inch [mm]	Material
WBS8V	8.00 [203.20]	0.06 [1.50]	100 lbs.	2.30 [58.40]	Vinyl Insulated 304 Stainless Steel Wire
WBS10V	10.00 [254.00]	0.06 [1.50]	100 lbs.	2.92 [74.00]	
WBS12V	12.00 [304.80]	0.06 [1.50]	100 lbs.	3.88 [98.50]	
WBS14V	14.00 [356.00]	0.06 [1.50]	100 lbs.	4.20 [106.70]	
WBS20V	20.00 [508.00]	0.06 [1.50]	100 lbs.	6.36 [161.50]	
WBS24V	24.00 [609.60]	0.06 [1.50]	100 lbs.	7.00 [178.00]	
WBS30V	30.00 [762.00]	0.06 [1.50]	100 lbs.	8.75 [222.00]	
WBS36V	36.00 [914.40]	0.06 [1.50]	100 lbs.	11.00 [279.40]	

Mounting Platform for WBS Bundle Straps or UNIRAP™ Cable Ties

304 Stainless Steel cable clip used for affixing cable ties to a module flange or similar flange.

Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Max. Cable Tie Width inch [mm]	Frame Thickness
ACC-FBC	0.55 [14.00]	0.48 [12.20]	0.27 [7.00]	0.31 [8.00]	1.3mm to 2.5mm

Wiley Edge Clip with Cable Tie (ACC-ECT) High-quality wire management solutions

The WILEY ACC-ECT is the perfect solution to route cable bundles without the need for mounting holes or additional hardware. The ACC-ECT is a nylon-encased plated steel clip that installs onto the module frame flange and allows a cable tie to be routed in both landscape (on the horizontal/perpendicular portion of the module frame) and portrait (on the vertical/parallel portion of the module frame) orientations. The ACC-ECT is available in UV resistant, high impact heat stabilized nylon 6/6 and nylon 12 material; both the 6/6 and 12 have a tensile strength of 50 lb. Nylon 12 makes the ACC-ECT especially suitable in high moisture, corrosive environments or where low temperatures are a factor.

Features and Benefits:

- Route cable bundles without the need for mounting holes or additional hardware
- Installs in a vertical/parallel (90°) or horizontal/perpendicular (180°) orientation
- Steel lances securely anchor clips to module frames or purlins
- Offered in various nylon types with 50 lb tensile strength:
 - UV resistant, high impact heat stabilized Nylon 6/6
 - UV resistant Nylon 12 which provides excellent UV, chemical and moisture resistance



Style A - Vertical/Parallel Installation



Style B - Horizontal/Perpendicular Installation

Style A - Vertical/Parallel Installation

Style B - Horizontal/Perpendicular Installation

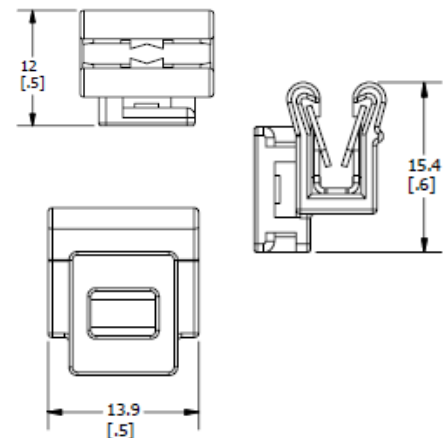


Part Key

Family	ACC	Acme Cable Clip
Type	ECT	Edge Clip Tie
Style	A	Vertical/Parallel (90°) Installation
	B	Horizontal/Perpendicular (180°) Installation

Catalog Number	Style	Nylon Type	Cable Tie Length	Max. Bundle Dia.
ACC-ECTA68	A	6/6	8" / 200mm	1.95" / 49.5mm
ACC-ECTA611			11" / 280mm	2.95" / 74.8mm
ACC-ECTA614			14" / 360mm	3.94" / 100mm
ACC-ECTA128		12	8" / 200mm	1.95" / 49.5mm
ACC-ECTA1211			11" / 280mm	2.95" / 74.8mm
ACC-ECTA1214			14" / 360mm	3.94" / 100mm
ACC-ECTB68	B	6/6	8" / 200mm	1.95" / 49.5mm
ACC-ECTB611			11" / 280mm	2.95" / 74.8mm
ACC-ECTB614			14" / 360mm	3.94" / 100mm
ACC-ECTB128		12	8" / 200mm	1.95" / 49.5mm
ACC-ECTB1211			11" / 280mm	2.95" / 74.8mm
ACC-ECTB1214			14" / 360mm	3.94" / 100mm

Edge Clip Compartment

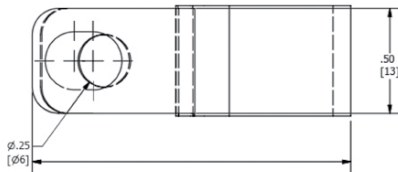


Wiley Coated Wire Management Coated Straps, Coated P-Clips

Wiley coated products are a durable, long lasting and reliable solution for protecting wires and cables. The vinyl coating acts as a shield against vibration and cable insulation damage. Wiley coated P-Clips easily install into a mounting hole with 1/4" hardware. Wiley coated straps are the perfect reusable, long lasting alternative to a cable tie solution. These products are great for general wire fastening applications, such as holding hydraulic hoses, wire harnesses, cables, and everyday solar wire management. Indoor/Outdoor rated and UV resistant.



Wiley Coated Straps					
<i>Vinyl coated steel straps protect cables from vibration and insulation damage.</i>					
Catalog Number	Length inch [mm]	Diameter inch [mm]	Max. Bundle Diameter inch [mm]	Material	UL
WIS8-2	7.87 [200.0]	0.24 [6.0]	2.00 [50.8]	PVC coated steel	UL 62275 Listed
WIS12-3	11.80 [300.0]	0.24 [6.0]	3.00 [76.2]		



Wiley Coated P-Clips				
<i>Vinyl coated steel p-clips protect cables from vibration and insulation damage.</i>				
Catalog Number	Width inch [mm]	Max. Bundle Diameter inch [mm]	Material	UL
WIPC14-14	0.24 [6.0]	0.25 [6.4]	PVC coated zinc plated steel	UL 1565 Listed
WIPC14-12	0.24 [6.0]	0.50 [12.7]		
WIPC14-34	0.24 [6.0]	0.75 [19.0]		
WIPC14-1	0.24 [6.0]	1.00 [25.4]		
WIPC14-112	0.24 [6.0]	1.50 [38.0]		



Grounding Lugs Tin-plated Copper, low-profile design

Constructed of corrosion resistant, tin-plated copper, the Wiley line of grounding lugs are high quality solutions for your grounding needs. The tin-plated lug assures minimum contact resistance and protection against corrosion. The low profile of the grounding lug allows it to be installed in a variety of positions with one solid or stranded copper wire (14 AWG to 6 AWG), or two copper wires (12 AWG to 10 AWG). Copper wire is secured by a 1/4-28 stainless steel screw, which is horizontal to the tang.

The WEEB® Grounding Lug is installed using stainless steel mounting hardware. When the hardware is tightened, the WEEB® washer's specialized teeth embed into coated (e.g. anodized, powder coated, etc.) metal to establish a reliable electrical connection.

The Wiley Grounding Lug is available unassembled, without installation hardware, and with standard hole sizes of 1/4" and 5/16" (M8). Perfect for galvanized steel applications or anywhere a WEEB® washer is not required.

Features and Benefits:

- UL 467 Listed
- UL 2703 Listed
- Made of corrosion-resistant, tin-plated copper
- Design ensures a quick and easy installation
- Available:
 - With or without WEEB® washer technology
 - Assembled or unassembled
 - With or without installation hardware
- No surface preparation required on the rail or module
- Custom designs available upon request
- Reliability for use throughout the lifetime of the PV system



WEEB® Lug



Wiley Lug

WEEB® Grounding Lug						
<i>Utilizes proven WEEB® washer technology to bite through most non-conductive coatings.</i>						
Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Mounting Hardware	Assembled
WEEB-LUG-6.7	1.57 [40.00]	0.71 [18.00]	0.47 [12.00]	0.27 [6.76]	1/4" hardware included	N
WEEB-LUG-6.7AS					Y	
WEEB-LUG-8.0		0.86 [22.00]		0.32 [8.20]	M8 or 5/16" hardware not included	N
WEEB-LUG-8.0AS					5/16" hardware included	Y
WEEB-LUG-8.0UN						N
WEEB-LUG-15.8		0.71 [18.00]		0.41 [10.30]	M8 or 5/16" hardware not included	N
WEEB-LUG-8.2						N
WEEB-LUG-10.3				0.86 [22.00]		M10 or 3/8" hardware not included	N
Wiley Grounding Lug						
<i>Perfect for galvanized steel applications or anywhere a WEEB® washer is not required.</i>						
WILEYLUG6.7	1.57 [40.00]	0.71 [18.00]	0.47 [12.00]	0.27 [6.76]	1/4" hardware not included	N
WILEYLUG8.0		0.86 [22.00]			0.32 [8.20]		M8 or 5/16" hardware not included
WILEYLUG8.2		0.709 [18.00]				
WILEYLUG15.8						

WEEB® Washer
Washer Electrical Equipment Bond

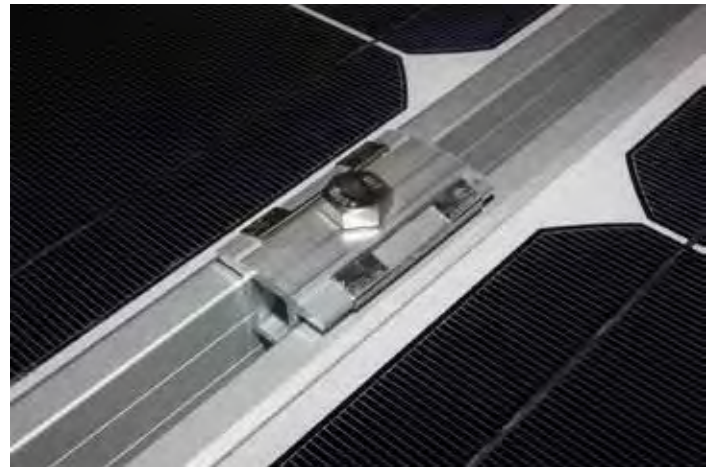
A revolution in bonding, WEEB® washers eliminate the need for older, more expensive grounding methods while also significantly reducing the amount of labor and materials used installations. No surface preparation or masking required.

Here's how it works: The WEEB® teeth pierce through most non-conductive coatings (e.g. anodization and powder coating) and embed into the underlying metal thus creating a bonding connection between the mounting surface and the coated metal component that it is installed on or between (e.g. equipment racks, cabinets, enclosures, cable tray, lugs, etc.). The result is excellent conductivity without oxidation — in solar it bonds the PV module frame with the metal racking structure. Essentially, the module and rail become one singular piece of metal, creating an electrical path to ground.

The WEEB® washers can be used in various applications like, but not limited to, coated equipment, fence, or cabinet bonding.

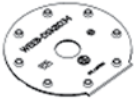
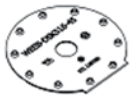
Features and Benefits:

- UL 467 Listed
- UL 2703 Recognized; UL 2703 Listed with certain systems
- Corrosion-resistant 304 stainless steel construction
- Reliability for use throughout the lifetime of the PV system
- Rated for outdoor use
- Multi-use
- Custom designs available upon request




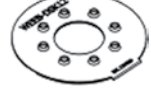


Integrated Bonding Clamp WEEB® Washers						
<i>WEEB® clamp washers easily snap or slide onto a mid-clamp and/or end-clamp for quick installation.</i>						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-BMC-1	1.57 [40.00]	0.30 [7.60]	0.19 [4.83]	N/A	Clip On
	WEEB-M-KR	1.65 [41.90]	1.40 [35.80]	0.22 [5.50]	0.33 [8.38]	Slide On
	WEEB-MSNR516	1.50 [38.00]	1.57 [40.00]	0.25 [6.40]	0.43 [11.00]	Slide On

WEEB® Washers (Continued)



Universal WEEB® Disk Washers - Top Clamp Applications						
<i>Universal WEEB® Disk Washers allow for a wide range of compatibility across various racking systems and applications.</i>						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-DSKBD34	1.57 [40.00]	1.57 [40.00]	0.07 [1.75]	0.32 [8.10]	Disk
	WEEB-DSK516-45	1.77 [45.00]	1.77 [45.00]	0.07 [1.75]	0.32 [8.10]	Disk




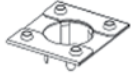


Universal WEEB® Disk Washers - Bottom Mount Applications						
<i>Universal WEEB® Disk Washers allow for a wide range of compatibility across various racking systems and applications.</i>						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-DSK14	0.94 [24.10]	0.94 [24.10]	0.07 [1.75]	0.26 [6.75]	Disk
	WEEB-DSK516	1.01 [25.75]	1.01 [25.75]	0.07 [1.75]	0.32 [8.10]	Disk
	WEEB-DSK38	1.18 [30.88]	1.18 [30.88]	0.07 [1.75]	0.39 [9.80]	Disk
	WEEB-DSK12	1.39 [35.38]	1.39 [35.38]	0.07 [1.75]	0.51 [13.10]	Disk



WEEB® Washers (Continued)



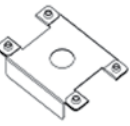
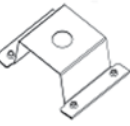

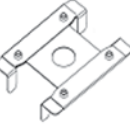
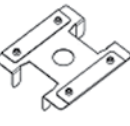


Universal Frame Bottom Mount WEEB® Washers						
<i>Universal WEEB® FBM washers are used in Solar PV bottom mount applications and can be applied to applications outside of solar.</i>						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-FBM14	1.78 [45.25]	1.67 [42.50]	0.12 [3.20]	0.26 [6.75]	Clip On
	WEEB-FBM516	1.81 [46.00]	1.78 [45.25]	0.12 [3.20]	0.32 [8.10]	Clip On



Bottom Mount WEEB® Washers						
<i>Bottom mounting WEEB® washers bond PV modules to the mounting structure at the module mounting holes. May have features that can be applied to applications outside of solar and secure the WEEB® at holes, slots, or directly to the module frame prior to installation.</i>						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-UIR	0.71 [18.00]	0.71 [18.00]	0.03 [0.89]	0.26 [6.75]	Rigid
	WEEB-11.5	0.87 [22.10]	0.79 [20.20]	0.15 [4.00]	0.47 [12.00]	Rigid
	WEEB-9.5	0.71 [18.00]	0.59 [15.10]	0.12 [3.15]	0.39 [10.00]	Rigid
	WEEB-9.5NL	0.71 [18.00]	0.59 [15.10]	0.07 [1.74]	0.39 [10.00]	Rigid



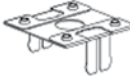
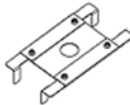
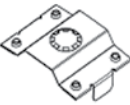



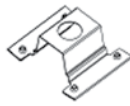


WEEB® Washers (Continued)

Top Clamp WEEB® Washers						
<i>Top clamp mounting WEEBs bond PV modules to the mounting structure at mid-clamp locations; May be pre-installed or slid onto mid-clamp hardware prior to the securement of modules and can be applied to applications outside of solar.</i>						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-ADC	0.94 [24.00]	0.73 [18.66]	0.15 [3.75]	N/A	Clip On
	WEEB-ADR	1.34 [34.00]	1.18 [30.00]	0.72 [18.25]	0.38 [9.75]	Rigid
	WEEB-ASR	1.51 [38.40]	1.00 [25.50]	0.24 [6.12]	0.32 [8.14]	Rigid
	WEEB-ATF	1.68 [42.66]	1.26 [32.00]	0.40 [10.11]	0.31 [7.94]	Flexible
	WEEB-BMC-1	1.49 [38.00]	0.30 [7.60]	0.12 [2.97]	N/A	Clip On
	WEEB-CCR	1.59 [40.33]	1.26 [32.00]	0.24 [6.05]	0.33 [8.43]	Rigid
	WEEB-CCR-2	1.59 [40.33]	1.49 [38.00]	0.24 [6.05]	0.33 [8.43]	Rigid
	WEEB-CMC	1.28 [32.50]	1.15 [29.10]	0.19 [4.83]	0.31 [8.00]	Slotted
	WEEB-DHF	1.06 [27.00]	1.13 [28.60]	0.60 [15.09]	0.30 [7.69]	Flexible

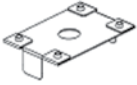
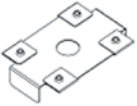






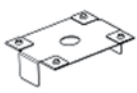


WEEB® Washers (Continued)

Top Clamp WEEB® Washers						
<i>Top clamp mounting WEEBs bond PV modules to the mounting structure at mid-clamp locations; May be pre-installed or slid onto mid-clamp hardware prior to the securement of modules and can be applied to applications outside of solar.</i>						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-DMC	0.86 [22.04]	0.71 [18.00]	0.30 [7.62]	0.25 [6.35]	Rigid
	WEEB-DPF	1.06 [27.00]	1.13 [28.60]	0.59 [15.09]	0.30 [7.69]	Flexible
	WEEB-DPR	1.00 [25.41]	0.98 [25.00]	0.98 [25.00]	0.31 [8.00]	Rigid
	WEEB-ECR	2.16 [55.00]	1.17 [29.70]	0.28 [7.09]	0.33 [8.43]	Rigid
	WEEB-JJR	1.25 [31.75]	0.91 [23.00]	0.33 [8.51]	0.37 [9.40]	Flexible
	WEEB-KMC	1.67 [42.42]	1.22 [31.00]	0.18 [4.70]	0.37 [9.40]	Rigid
	WEEB-KSR	1.39 [35.26]	0.99 [25.20]	0.10 [2.55]	0.31 [8.00]	Slotted
	WEEB-OCR	1.36 [34.50]	1.16 [29.50]	0.12 [3.17]	0.33 [8.38]	Slotted
	WEEB-OSF	1.48 [37.70]	1.26 [32.00]	0.39 [10.03]	0.37 [9.55]	Flexible



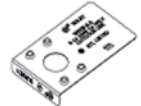



WEEB® Washers (Continued)

Top Clamp WEEB® Washers						
<i>Top clamp mounting WEEBs bond PV modules to the mounting structure at mid-clamp locations; May be pre-installed or slid onto mid-clamp hardware prior to the securement of modules and can be applied to applications outside of solar.</i>						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-PMC	1.58 [40.11]	1.10 [28.00]	0.25 [6.37]	0.31 [7.94]	Rigid
	WEEB-RPR	1.47 [37.41]	1.14 [28.85]	0.27 [6.88]	0.32 [8.20]	Rigid
	WEEB-SCR	1.72 [43.70]	0.65 [16.51]	0.28 [7.11]	0.37 [9.53]	Rigid
	WEEB-SMC-2	1.50 [38.10]	0.98 [25.00]	0.33 [8.38]	0.32 [8.20]	Slotted
	WEEB-SSF	1.33 [33.86]	0.59 [15.00]	0.67 [16.94]	0.34 [8.48]	Flexible
	WEEB-SSR	1.70 [43.20]	1.35 [34.30]	0.27 [6.86]	0.37 [9.53]	Rigid
	WEEB-STC	0.94 [24.00]	0.42 [10.58]	0.17 [4.42]	N/A	Rigid
	WEEB-UMC	1.49 [37.91]	0.71 [18.00]	0.29 [7.34]	0.25 [6.35]	Rigid
	WEEB-WMC	1.63 [41.30]	1.31 [33.50]	0.34 [8.61]	0.31 [7.94]	Rigid



WEEB® Washers (Continued)

Replacement WEEB® Washers						
Replacement WEEB® Washers for WEEB-LUG and WEEB-BNDJMP product lines.						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-15.8	1.37 [34.85]	0.71 [18.00]	0.17 [4.27]	0.32 [8.20]	Rigid
	WEEB-6.7	1.37 [34.35]	0.71 [18.00]	0.17 [4.27]	0.26 [6.53]	Rigid
	WEEB-8.0	1.45 [36.75]	0.86 [22.00]	0.17 [4.27]	0.32 [8.20]	Rigid
	WEEB-8.2	1.37 [34.85]	0.71 [18.00]	0.17 [4.27]	0.32 [8.20]	Rigid

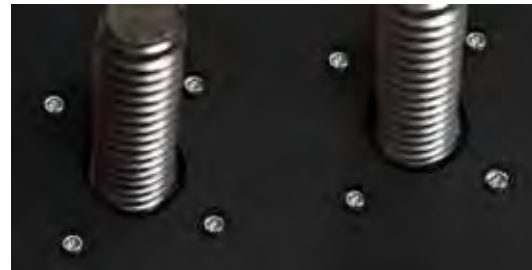


Telecom WEEB® Washer Washer Electrical Equipment Bond

The Telecom WEEB® Washer design utilizes patented WEEB® Washer teeth eliminating the need to remove nonconductive coatings (e.g. anodization and powder coat) when making bonding connections. The teeth pierce through most nonconductive coatings and embed into the underlying metal creating a bonding connection between the lug and the coated metal component that it is installed on (e.g. equipment racks, cabinets, enclosures, cable tray, etc.). Eliminating the step to remove nonconductive coatings is a huge time savings in addition to creating a cleaner work environment and most important, prevent improper coating removal techniques that can lead to poor connections.

Features and Benefits:

- Made from corrosion resistant 304 stainless steel for outstanding durability and performance
- Eliminates the need for surface preparation and oxide inhibitor
- Detailed manual specifying proper hardware, torque, and mounting information is available upon request
- UL 467 Recognized for grounding and bonding equipment
- Custom grounding and bonding solutions available upon request

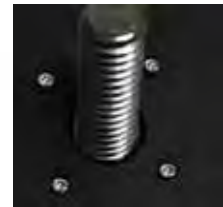


Two Hole Telecom WEEB® Washer							Stainless Steel Hardware Kits (TMH-SS) - Sold Separately*									
Catalog #	Compatible TWO-hole HYLUG™ Family	Conductor		Hex Head Bolt		Stud Hole Spacing	Catalog #	Bolt			Flat Washer	Split Washer	Hex Nut	Working Range	Installation Torque (in-lbs)	
		Wire Type	Wire Range	Size	Torque (in-lbs)			Size	Length	Qty						
WEEB-2TC14	YA-2TC14	Code	#14-2 AWG	1/4	100	5/8"	TMH262SS	1/4-20"	0.75	2	4	2	2	0.09-0.34	100	
	YA-L-2TC14						TMH263SS									1.00
	YAZ-2TC14						TMH264SS										1.25
	YAZV-2TC14															TMH265SS		1.50
	YGA-2TC14	Flex	#8-2 AWG													
	YA-L-2TC14-FX															
	YAV-L-2TC14-FX															
	YAZ-2TC14-FX															
YAZV-2TC14-FX																
WEEB-2TC38	YA-2TC38	Code	#14-2 AWG	3/8	240	1"	TMH267SS	3/8-16"	1.00	2	4	2	2	0.19-0.44	240	
	YA-L-2TC38						TMH268SS									1.25
	YAZ-2TC38						TMH269SS										1.50
	YAZV-2TC38															Flex		#8-2 AWG
	YGA-2TC38															
	YA-L-2TC38-FX															
	YAV-L-2TC38-FX															
	YAZ-2TC38-FX															
YAZV-2TC38-FX																
							TMH270SS	1.75								
							TMH271SS		2.00							

Telecom WEEB® Washer; Single Hole Washer Electrical Equipment Bond

The WILEY Telecom WEEB® (Washer, Electrical Equipment Bond) Washer is a powder coat and paint penetrating, contact-enhancing washer used between connectors and equipment frames, cabinets and other painted metallic surfaces to be bonded.

The WEEB® Washer teeth eliminate the need to remove non-conductive coatings (e.g. paint and powder coat) when making a bonding connection. The WEEB® teeth pierce through most non-conductive coatings and embed into the underlying metal thus creating a bonding connection between the lug and the coated metal component that it is installed on (e.g. equipment racks, cabinets, enclosures, cable tray, etc.). Not having to remove non-conductive coatings will save on installation time, create a cleaner work environment, and most importantly, prevent improper coating removal techniques that can lead to poor connections. WEEB® Washers also help eliminate unwanted rotation of the lug keeping your connections secure and properly bonded.



Features and Benefits:

- For bonding lug to underlying coated metal surfaces in various applications (e.g. equipment racks, cabinets, servers, enclosures, cable trays, etc.)
- For use with 1-Hole HYLUG™ or equivalent connectors
- Wire Range: #14 to #6 AWG
- Coating Types: Paint, Powder Coating and similar
- Coating Thickness: Maximum 5 Mills
- WEEB-TC14: 1/4" Stud
- WEEB-TC38: 3/8" Stud
- Refer to detailed manual specifying proper hardware, torque, mounting information, and applicable lugs

WEEB® Washer	Compatible 1-Hole HYLUG™ Family	Conductor		Hex Head Bolt		Installation Tooling
		Wire Type	Wire Range	Size	Torque (in-lbs)	
WEEB-TC14	YA-TC14	Code	#14-#6 AWG	1/4"	100	BTW30150
	YA-L-TC14	Code	#14-#6 AWG			
	YAZ-TC14	Code	#14-#6 AWG			
	YAZV-TC14	Code	#14-#6 AWG			
	YGA-TC14	Code	#8-#6 AWG			
	YA-L-TC14-FX	Flex	#8-#6 AWG			
	YAV-L-TC14-FX	Flex	#8-#6 AWG			
	YAZ-TC14-FX	Flex	#8-#6 AWG			
	YAZV-TC14-FX	Flex	#8-#6 AWG			
WEEB-TC38	YA-TC38	Code	#14-#6 AWG	3/8"	240	BTW150750
	YA-L-TC38	Code	#14-#6 AWG			
	YAZ-TC38	Code	#14-#6 AWG			
	YAZV-TC38	Code	#14-#6 AWG			
	YGA-TC38	Code	#8-#6 AWG			
	YA-L-TC38-FX	Flex	#8-#6 AWG			
	YAV-L-TC38-FX	Flex	#8-#6 AWG			
	YAZ-TC38-FX	Flex	#8-#6 AWG			
	YAZV-TC38-FX	Flex	#8-#6 AWG			

Bonding Jumper Tin-plated Braided Copper

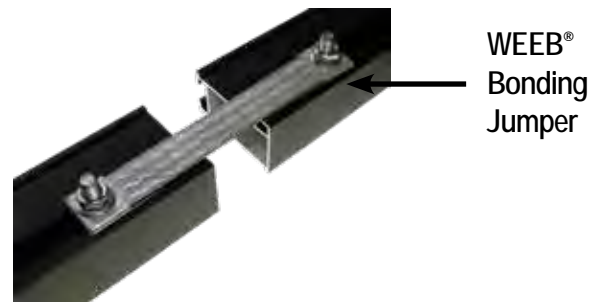
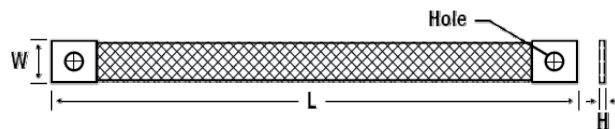
Constructed of corrosion resistant, tin-plated, braided copper, the Wiley line of bonding jumpers are high quality solutions for your system.

The WEEB® Bonding Jumper is used to create an electrical connection between two pieces of coated (e.g. anodized, powder coated, etc.) metal or any electrically conductive material. This maintains electrical continuity over long spans or air gaps between metal structures.

The Wiley Bonding Jumper is used to create an electrical connection between two pieces of galvanized steel or other uncoated electrically conductive metals.

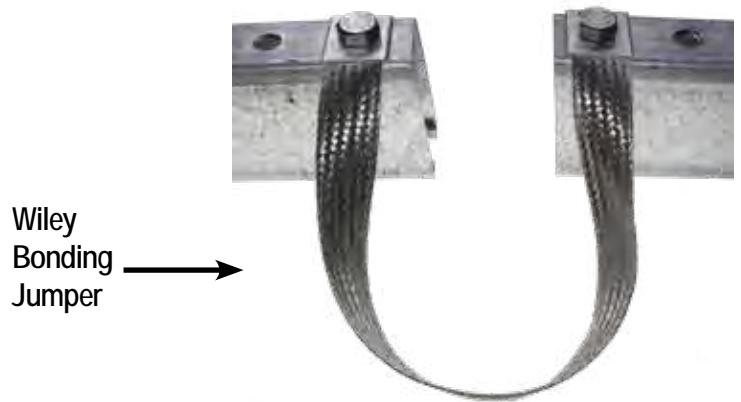
Features and Benefits:

- UL 467 Listed
- UL 2703 Listed
- Corrosion resistant
- Equivalent to #6 AWG copper wire
- Available:
 - With or without WEEB® washer technology
 - Assembled or unassembled
 - With or without installation hardware
- In-stock standard lengths from 6" to 36" (custom lengths available upon request)
- Reliability for use throughout the lifetime of the PV system



WEEB® Bonding Jumpers:		<i>Utilizes proven WEEB® washer technology to bite through any non-conductive coatings.</i>					
Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Gauge	Hardware	Assembled
WEEB-BNDJMP6.7	9.00 [228.60]	0.71 [18.00]	0.08 [2.03]	0.26 [6.53]	6 AWG	WEEB® washer included; 1/4" mounting hardware NOT included	N
WEEB-BNDJMP6.7AS						WEEB® washer included; 1/4" mounting hardware included	Y
WEEB-BNDJMP8.0	6.00 [152.40]	0.87 [22.00]	0.10 [2.54]	0.32 [8.20]		WEEB® washer included; M8 or 5/16" mounting hardware NOT included	N
WEEB-BNDJMP8.0AS						WEEB® washer included; M8 or 5/16" mounting hardware included	Y
WEEB-BNDJMP8.2	10.00 [254.00]	0.71 [18.00]	0.08 [2.03]	0.32 [8.20]		WEEB® washer included; M8 or 5/16" mounting hardware NOT included	N
WEEB-BNDJMP8.2MS						WEEB® washer included; M8 flat washer included	N
WEEB-BNDJMP9	9.00 [228.60]	0.71 [18.00]	0.08 [2.03]	0.26 [6.53]		WEEB® washer included; 1/4" mounting hardware NOT included	N
WEEB-BNDJMP12						WEEB® washer included; 1/4" mounting hardware NOT included	N
WEEB-BNDJMP12AS	12.00 [304.80]	0.71 [18.00]	0.08 [2.03]	0.26 [6.53]		WEEB® washer included; 1/4" mounting hardware included	Y
WEEB-BNDJMP18						WEEB® washer included; 1/4" mounting hardware NOT included	N
WEEB-BNDJMP18AS	18.00 [457.20]	0.71 [18.00]	0.08 [2.03]	0.26 [6.53]		WEEB® washer included; 1/4" mounting hardware included	Y
WEEB-BNDJMP24						WEEB® washer included; 1/4" mounting hardware NOT included	N
WEEB-BNDJMP24AS	24.00 [609.80]	0.71 [18.00]	0.08 [2.03]	0.26 [6.53]		WEEB® washer included; 1/4" mounting hardware included	Y
WEEB-BNDJMP36						WEEB® washer included; 1/4" mounting hardware NOT included	N
WEEB-BNDJMP36AS	36.00 [914.40]	0.71 [18.00]	0.08 [2.03]	0.26 [6.53]		WEEB® washer included; 1/4" mounting hardware included	Y

Bonding Jumpers (Continued)



Wiley Bonding Jumpers:		<i>Perfect for tracker applications, galvanized steel or anywhere a WEEB® washer is not required.</i>				
Catalog Number	Length	Width	Height	Hole Size	Gauge	Hardware Size
WILEYBRAID6	6.00 [152.40]	0.71 [18.00]	0.08 [2.03]	0.26 [6.53]	6 AWG	M6 or 1/4" No WEEB® washer or mounting hardware included
WILEYBRAID9	9.00 [228.60]					
WILEYBRAID12	12.00 [304.80]					
WILEYBRAID18	18.00 [457.20]					
WILEYBRAID24	24.00 [609.80]					
WILEYBRAID30	30.00 [762.00]					
WILEYBRAID36	36.00 [914.40]					
WILEYBRAID6-516	6.00 [152.40]	0.71 [18.00]	0.08 [2.03]	0.32 [8.20]	6 AWG	M8 or 5/16" No WEEB® washer or mounting hardware included
WILEYBRAID9-516	9.00 [228.60]					
WILEYBRAID12-516	12.00 [304.80]					
WILEYBRAID18-516	18.00 [457.20]					
WILEYBRAID24-516	24.00 [609.80]					
WILEYBRAID30-516	30.00 [762.00]					
WILEYBRAID36-516	36.00 [914.40]					
WILEYBRAID6-38	6.00 [152.40]	0.87 [22.00]	0.14 [3.65]	0.40 [10.20]	6 AWG	M10 or 3/8" No WEEB® washer or mounting hardware included
WILEYBRAID9-38	9.00 [228.60]					
WILEYBRAID12-38	12.00 [304.80]					
WILEYBRAID18-38	18.00 [457.20]					
WILEYBRAID24-38	24.00 [609.80]					
WILEYBRAID30-38	30.00 [762.00]					
WILEYBRAID36-38	36.00 [914.40]					

Bonding Jumpers (Continued)

Wiley Bonding Jumpers: <i>Perfect for tracker applications, galvanized steel or anywhere a WEEB® washer is not required.</i>						
Catalog Number	Length	Width	Height	Hole Size	Gauge	Hardware Size
WILEYBRAID6-12	6.00 [152.40]	1.20 [30.48]	0.12 [3.02]	0.56 [14.22]	6 AWG	M12 or 1/2" No WEEB® washer or mounting hardware included
WILEYBRAID8-12	8.00 [203.20]					
WILEYBRAID10-12	10.00 [254.00]					
WILEYBRAID12-12	12.00 [304.80]					
WILEYBRAID18-12	18.00 [457.20]					
WILEYBRAID24-12	24.00 [609.80]					
WILEYBRAID30-12	30.00 [762.00]					
WILEYBRAID36-12	36.00 [914.40]					
WILEYBRAID6-916	6.00 [152.40]	1.20 [30.48]	0.12 [3.02]	0.63 [15.88]	6 AWG	M14 or 9/16" No WEEB® washer or mounting hardware included
WILEYBRAID8-916	8.00 [203.20]					
WILEYBRAID10-916	10.00 [254.00]					
WILEYBRAID12-916	12.00 [304.80]					
WILEYBRAID18-916	18.00 [457.20]					
WILEYBRAID24-916	24.00 [609.80]					
WILEYBRAID30-916	30.00 [762.00]					
WILEYBRAID36-916	36.00 [914.40]					
WILEYBRAID6-34	6.00 [152.40]	1.20 [30.48]	0.12 [3.02]	0.81 [20.45]	6 AWG	M20 or 3/4" No WEEB® washer or mounting hardware included
WILEYBRAID8-34	8.00 [203.20]					
WILEYBRAID10-34	10.00 [254.00]					
WILEYBRAID12-34	12.00 [304.80]					
WILEYBRAID18-34	18.00 [457.20]					
WILEYBRAID24-34	24.00 [609.80]					
WILEYBRAID30-34	30.00 [762.00]					
WILEYBRAID36-34	36.00 [914.40]					

Wiley Clamping Solutions

Mid-Clamps

Our universal mid-clamp and adjustable end clamp designs accommodate various module thicknesses. The Wiley Mid-Clamp uses proven WEEB® technology for integrated bonding as well as a quick and easy installation.

Features and Benefits:

- UL 467 Listed
- UL 2703 Recognized
- Low profile design
- Increased inspectability
- Custom designs and finishes available upon request
- Reliability for use throughout the lifetime of the PV system



Stainless Steel Integrated Bonding Mid-Clamp					
<i>304 Stainless Steel integrated bonding mid-clamp for module-to-module bonding.</i>					
Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Module Spacing
BMCSS8W17	1.91 [48.61]	1.32 [33.58]	0.48 [12.30]	0.33 [8.50]	0.67 [17.00]
BMCSS6W17	1.91 [48.61]	1.32 [33.58]	0.48 [12.30]	0.26 [6.60]	0.67 [17.00]



ACE Conduit Entry Box

Quick, Simple Transitions to Conduit protected THWN-2 Wire

The ACE Conduit Entry Box makes quick and simple transitions from USE-2 or PV array wire to conduit protected THWN-2 wire.

The box features a compact two-piece, UV resistant, NEMA 3R rated enclosure that allows ample wiring space and is compatible with any conduit type.



Features and Benefits:

- UL 1741 Listed
- Rated for 1000 Volts
- Convenient side and bottom conduit drill-out for easy conduit routing
- Choice of pass-through or combiner box with bracket
- Compatible with any conduit type
- Preassembled for quick and easy installation
- Custom configurations available upon request

Length inch [mm]	Width inch [mm]	Height inch [mm]	Input Wire Diameter Range inch [mm]	Equipment Ground Conductor Type	Equipment Ground Conductor Diameter Range	Acceptable Conduit Sizes	Drill Out
10.07 [256.68]	6.83 [173.53]	3.27 [83.03]	0.20-0.27 [5.00-6.80] 10-12 AWG USE-2/ PVV	Bare Solid or jacketed only	0.16-0.27 [4.00-6.80]	.75, 1.00 [19.05, 25.44]	Side, Bottom

Catalog Number	ACE Configuration	Terminal Block	Terminal Block Internal Bus	Fuse Holder	Fuse Combiner Bus	Grounding Terminal
ACE-PT	Pass-through using Butt Splices/Wire Nuts (no DIN rail)	N/A	N/A	N/A	N/A	N/A
ACE-PTD	Pass-through using Butt Splices/Wire Nuts (with DIN rail)					
ACE-1P	1-String Pass-through	2	N/A	N/A	N/A	1
ACE-2P	2-String Pass-through	4	N/A	N/A	N/A	1
ACE-3P	3-String Pass-through	6	N/A	N/A	N/A	2
ACE-4P	4-String Pass-through	8	N/A	N/A	N/A	2
ACE-2C	2-String Combiner	2	N/A	Not Required for 2-String Combiner	N/A	1
ACE-3C	3-String Combiner	2	1X2-Pole	3	1X3-Pole	2
ACE-4C	4-String Combiner	2	1X2-Pole	4	1X4-Pole	2
ACE-3C-1GND	3 String Combiner with 1 Ground Terminal	3	2X2-Pole	3	1X3-Pole	1
ACE-3C-DF	3-String Dual Fuse Combiner	N/A	N/A	6	1X3-Pole	1

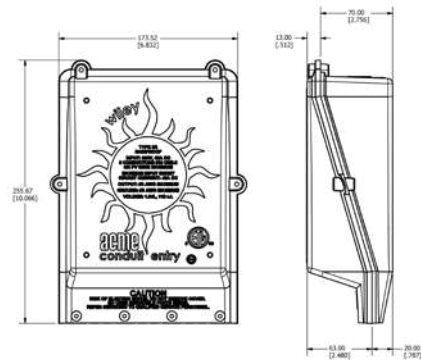


Table of Contents

Introduction	F-2
PENETROX™ Oxide Inhibitor	
How to Install Connectors.....	F-2
Overview of Different Types	F-3
Technical Information	F-4
Properties and Ordering Information.....	F-5
Recommended Tightening Torque	F-6
DURIUM™ Silicon Bronze Hardware	
Bolts.....	F-6
Nuts.....	F-7
Flat Washer	F-7
Split Lockwashers.....	F-7
Internal Lockwashers	F-7
Aluminum Hardware	
Bolts.....	F-8
Nuts.....	F-8
Flat Washer	F-8
Split Lockwasher	F-8
Galvanized Steel Hardware	
Bolts.....	F-9
Nuts.....	F-9
Flat Washers.....	F-9
Internal Tooth Lockwashers.....	F-9
Stainless Steel Hardware	
Bolts.....	F-10
Nuts.....	F-10
Split Lockwasher	F-10
Flat Washers.....	F-10
Belleville Washers.....	F-11
Hardware Kits	
DURIUM™ Silicon Bronze TMH	F-12
Stainless Steel TMH-SS.....	F-12
Covers for Transformer Connectors.....	F-13
WIREMIKE™ Stainless Steel Wire Micrometer	F-14

Introduction

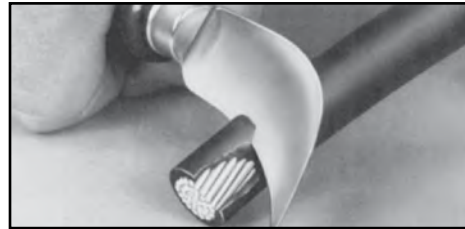
BURNDY wiring accessories have been designed to supplement and enhance BURNDY connection selection and use. All have been designed and engineered for easy installation and long life, reflecting over 90 years of experience and resulting contributions of the electrical industry.

PENETROX™

How to Install Connectors

1. Select the right connector.

Always use an aluminum connector for aluminum or copper conductor. Choose a connector that's marked for the wire size you're using. Never use a copper connector on aluminum conductor.



2. Strip carefully.

Remove the insulation without nicking the wire.

3. Brush thoroughly.

Always wire-brush the stripped portion of the wire. An unplated terminal pad, and the surface to which the terminal will be attached should also be wire-brushed.



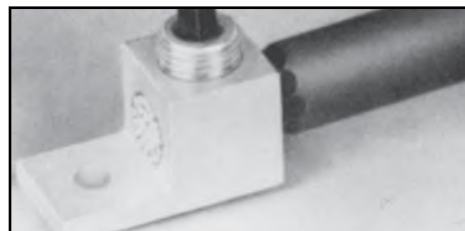
4. Apply PENETROX™

For mechanical connectors, apply PENETROX™ joint compound liberally to the conductor to prevent the formation of surface oxides once the connection is made. Also apply PENETROX™ to any terminal pad.



5. Tighten completely.

For mechanical connectors, use wrench or screwdriver to securely tighten the aluminum connectors, as recommended by BURNDY.



6. Crimp.

For compression connectors, choose the right die and the right tool. Insert the wire completely and make the recommended number of crimps.



PENETROX™ TYPES A, A-13, E, HT

Oxide Inhibiting Joint Compounds



PENETROX™ oxide inhibiting compounds product low initial contact resistance, seal out air and moisture, prevent oxidation or corrosion, exhibit superior weathering characteristics, are usable over wide temperature ranges, and provide a high conductivity "gas-tight" joint. All PENETROX™ compounds contain homogeneously suspended metal particles. The suspended metal particles assist in penetrating thin oxide films, act as electrical "bridges" between conductor strands, aid in gripping the conductor, improve electrical conductivity and enhance the integrity of the connection.

The specially formulated PENETROX™ compounds are for use with compression and bolted connectors providing an improved service life for both copper and aluminum connections. Additionally, the nontoxic compounds are an excellent lubricant for threaded applications, reducing galling and seizing.



PENETROX™ with brush lid

All types of PENETROX™ are available in an 8 oz. bottle with a brush lid for ease of application.



PENETROX™ A

PENETROX A is a natural (petroleum) base compound with evenly suspended zinc particles. It is recommended for aluminum to aluminum, aluminum to copper connections and aluminum conduit threads. It is not recommended for use with rubber or polyethylene insulated conductors. UL listed to 600V.



PENETROX™ A13

PENETROX™ A13 is a synthetic base compound with evenly suspended zinc particles. It is recommended for aluminum to aluminum, aluminum to copper connections plus aluminum conduit threads. It is compatible with rubber, polyethylene and other insulating materials. UL Listed for all voltages.



PENETROX™ E

PENETROX™ E is a synthetic base compound with evenly suspended copper particles. It is recommended for copper to copper, copper threads and all grounding applications. UL Listed.



PENETROX™ HT

PENETROX™ HT is a synthetic silicone based compound with evenly suspended zinc particles and nickel-aluminum alloy particles. It is recommended for aluminum to aluminum connections. It is compatible with rubber. Designed for use with High Temperature ACSS and ACCC connectors. Not UL Listed.



PENACARTRIDGE

PENACARTRIDGE is a 1 lb. cartridge filled with PENETROX-A. It's designed to fit standard caulking guns for easy insertion into transmission and distribution connectors. Additionally, this packaging design provides a convenient method for applying PENETROX™ to many different applications.



PENETROX™ TYPES A, A13, E, HT



Technical Information

PENETROX™ oxide inhibiting compounds product low initial contact resistance, seal out air and moisture, prevent oxidation or corrosion, exhibit superior weathering characteristics, are usable over wide temperature ranges, and provide a high conductivity “gas-tight” joint. All PENETROX™ compounds contain homogeneously suspended metal particles. The suspended metal particles assist in penetrating thin oxide films, act as electrical “bridges” between conductor strands, aid in gripping the conductor, improve electrical conductivity and enhance the integrity of the connection.

The specially formulated PENETROX™ compounds are for use with compression and bolted connectors providing an improved service life for both copper and aluminum connections. Additionally, the nontoxic compounds are an excellent lubricant for threaded applications, reducing galling and seizing.



PENETROX™ Type	Aluminum to Aluminum	Aluminum to Copper	Copper to Copper	Aluminum Conduit Threads	Copper Conduit Threads
PENETROX A	X	X		X	
PENETROX A13	X	X		X	
PENETROX E			X		X
PENETROX HT	X				

See below for more details on the different types of PENETROX

PENETROX™ Type A

PENETROX™ A consists of a natural (petroleum) base vehicle in which zinc particles are suspended. For aluminum to aluminum, aluminum to copper applications and aluminum conduit threads. It is not recommended for use with rubber and polyethylene insulated conductors. UL Listed to 600 volts.

PENETROX™ Type A13

PENETROX A13 consists of a non-petroleum base vehicle in which zinc particles are suspended. Recommended for aluminum to aluminum, aluminum to copper applications and aluminum conduit threads. Compatible with insulating materials such as rubber, or polyethylene. UL Listed and recommended for all voltages.

PENETROX™ Type E

PENETROX E consists of a non-petroleum base vehicle in which copper granules are suspended. Recommended for copper to copper applications, grounding and for use on copper conduit threads. UL Listed to 600 volts.

PENETROX™ Type HT

PENETROX HT consists of a non-petroleum base vehicle in which zinc and nickel-aluminum particles are suspended. Recommended for use with aluminum to aluminum High Temperature rated ACSS and ACCC conductors. Not UL Listed.

Easy to apply:

1. Scratch brush the conductor surfaces until bright and clean.
2. Immediately apply PENETROX™ to the conductive surfaces.
3. For EHV applications, remove all excess PENETROX™ after installation is complete.



B38-0305-00 Wire Brush

Shelf Life

When stored in its original container in cool (under 100°F) dry environment, PENETROX™ oxide inhibiting compound will remain workable and functional for 5 years from the Date of Manufacture (MO) marked on the container.

PENETROX™ TYPES A, A13, E, HT

Properties and Ordering Information

PROPERTIES OF PENETROX™

Property	Value PENETROX™ Definition	PENETROX™ HT	PENETROX™ E & A13	PENETROX™ A
Penetration (Unworked)	The value in accordance to ASTM D217 indicates the consistency of a grease. The higher the number, the softer the grease.	240	250	230
Dropping Point (Minimum)	The temperature at which the grease passes from the semi-solid to a liquid state under test conditions.	>580° F	350° F	230° F
Pour Point (Maximum)	The lowest temperature at which the compound will flow. Pour point is the lubricant's ability to perform in cold conditions.	-58° F	-40° F	-15° F

* MSDS sheets available through customer service.

ORDERING INFORMATION

Catalog Number				Container Type	Container Size
PENETROX™ A	PENETROX™ A-13	PENETROX™ E	PENETROX™ HT †		
PENA1/2	—	—	—	Tube	1/2 oz.
PENA4	PENA134	PENE4	PENHT4	Squeeze Bottle	4 oz.
P8A	PENA138	PENE8	PENHT8	Squeeze Bottle	8 oz.
PENA8BLB	PENA138BLB	PENE8BLB	PENHT8BLB	Bottle with Brush Lid	8 oz.
PENACARTRIDGE	PENA13CARTRIDGE	—	PENHT1LB	Cartridge	1 lb.*
PENAQT	PENA13QT	PENEQT	—	Plastic Tub	1 Quart
PENAGAL	PENA13GAL	PENEGAL	PENHTGAL	Can	1 Gallon
PENA5GAL	PENA135GAL	PENE5GAL	—	Pail	5 Gallons
PENA55GAL	PENA1355GAL	PENE55GAL	—	Drum	55 Gallons

* 1 lb. cartridge will fit standard caulking guns.

† Not UL Listed.

Recommended Tightening Torque

The hardware used in connectors must be compatible with the connector material, have high mechanical strength and be corrosion resistant and correspond to NEMA recommendations.

Copper alloy connectors have hardware made of DURIUM™, which is the BURNDY trade name for silicon bronze alloy ASTMB99 type B. This material was first introduced by BURNDY® in 1927 for use in outdoor construction, and today, is the standard throughout the industry.

Aluminum connectors generally have aluminum alloy hardware. The bolts are 2024T4 and anodized to resist corrosion. The nuts are 6061T6, which is resistant to corrosion and does not require anodizing. Both nuts and bolts are lubricated to eliminate galling and to provide consistent clamping forces.

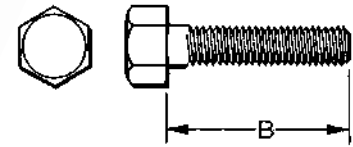
DURIUM™ and Steel Hardware		Aluminum Hardware	
Bolt Size	Rec. Torque (Inch Pounds)	Bolt Size	Rec. Torque (Inch Pounds)
1/4 - 20	80	1/2 - 13	300
5/16 - 18	180	5/8 - 11	480
3/8 - 16	240	3/4 - 10	650
1/2 - 13	480		
5/8 - 11	660		
3/4 - 10	1,050		

To reduce or greatly exceed the recommended torque can adversely affect the performance of the connector.

DURIUM™ Bolt

Silicon Bronze

BURNDY® introduced silicon-bronze bolts, nuts and other hardware items on outdoor connector applications in 1927. Today the DURIUM™ trademark is a standard for this use. DURIUM™ bolts combine high strength with corrosion resistance. Heads have American Standard dimension and the threads are per American National Coarse Series, Class #2 fit. The silicon bronze is per ASTM B99.



Catalog Number	Thread Size	B Length (Inches)
25X50HEBBOX	1/4-20	1/2
25X62HEBBOX	1/4-20	5/8
25X75HEBBOX	1/4-20	3/4
25X100HEBBOX	1/4-20	1
25X125HEBBOX	1/4-20	1-1/4
25X150HEBBOX	1/4-20	1-1/2
25X200HEBBOX	1/4-20	2
25X250HEBBOX	1/4-20	2-1/2
25X300HEBBOX	1/4-20	3
31X50HEBBOX	5/16-18	1/2
31X62HEBBOX	5/16-18	5/8
31X75HEBBOX	5/16-18	3/4
31X100HEBBOX	5/16-18	1
31X125HEBBOX	5/16-18	1-1/4
31X150HEBBOX	5/16-18	1-1/2
31X175HEBBOX	5/16-18	1-3/4
31X200HEBBOX	5/16-18	2
31X250HEBBOX	5/16-18	2-1/2
31X300HEBBOX	5/16-18	3
38X50HEBBOX	3/8-16	1/2
38X62HEBBOX	3/8-16	5/8
38X75HEBBOX	3/8-16	3/4
38X88HEBBOX	3/8-16	7/8
38X100HEBBOX	3/8-16	1

Catalog Number	Thread Size	B Length (Inches)
38X125HEBBOX	3/8-16	1-1/4
38X150HEBBOX	3/8-16	1-1/2
38X175HEBBOX	3/8-16	1-3/4
38X200HEBBOX	3/8-16	2
38X225HEBBOX	3/8-16	2-1/4
38X250HEBBOX	3/8-16	2-1/2
38X275HEBBOX	3/8-16	2-3/4
38X300HEBBOX	3/8-16	3
38X325HEBBOX	3/8-16	3-1/4
38X350HEBBOX	3/8-16	3-1/2
38X400HEBBOX	3/8-16	4
38X450HEBBOX	3/8-16	4-1/2
38X500HEBBOX	3/8-16	5
44X150HEBBOX	7/16-14	1-1/2
44X200HEBBOX	7/16-14	2
50X75HEBBOX	1/2-13	3/4
50X100HEBBOX	1/2-13	1
50X125HEBBOX	1/2-13	1-1/4
50X150HEBBOX	1/2-13	1-1/2
50X175HEBBOX	1/2-13	1-3/4
50X200HEBBOX	1/2-13	2
50X225HEBBOX	1/2-13	2-1/4
50X250HEBBOX	1/2-13	2-1/2
50X275HEBBOX	1/2-13	2-3/4

Catalog Number	Thread Size	B Length (Inches)
50X300HEBBOX	1/2-13	3
50X325HEBBOX	1/2-13	3-1/4
50X350HEBBOX	1/2-13	3-1/2
50X375HEBBOX	1/2-13	3-3/4
50X400HEBBOX	1/2-13	4
50X450HEBBOX	1/2-13	4-1/2
50X500HEBBOX	1/2-13	5
50X550HEBBOX	1/2-13	4-1/2
50X600HEBBOX	1/2-13	6
62X100HEBBOX	5/8-11	1
62X125HEBBOX	5/8-11	1-1/4
62X150HEBBOX	5/8-11	1-1/2
62X175HEBBOX	5/8-11	1-3/4
62X200HEBBOX	5/8-11	2
62X225HEBBOX	5/8-11	2-1/4
62X250HEBBOX	5/8-11	2-1/2
62X275HEBBOX	5/8-11	2-3/4
62X300HEBBOX	5/8-11	3
62X325HEBBOX	5/8-11	3-1/4
62X350HEBBOX	5/8-11	3-1/2
62X400HEBBOX	5/8-11	4
62X450HEBBOX	5/8-11	4-1/2
62X500HEBBOX	5/8-11	5
62X600HEBBOX	5/8-11	6

DURIUM™ Nuts

Silicon Bronze

DURIUM™ hexagon regular nuts are non-magnetic and are made to American Standard dimensions. American National Coarse Series threads. #2 fit.



Catalog Number	Thread Size
25CHENBOX	1/4-20
31CHENBOX	5/16-18
38CHENBOX	3/8-16
44CHENBOX	7/16-14
50CHENBOX	1/2-13
62CHENBOX	5/8-11
75CHENBOX	3/4-10
100CHENBOX	1-8

DURIUM™ Flat Washers

Silicon Bronze

High strength DURIUM™ Flat Washers are non-magnetic and free from galvanic action when in contact with copper. Conforms to SAE standards.



Catalog Number	For Bolt Size	Nominal Dimensions in Inches	
		A	B
25FWBOX	1/4	1/16	5/8
31FWBOX	5/16	1/16	11/16
38FWBOX	3/8	1/16	13/16
44FWBOX	7/16	1/16	15/16
50FWBOX	1/2	3/32	1-1/16
62FWBOX	5/8	3/32	1-5/16
75FWBOX	3/4	9/64	1-15/32

DURIUM™ Split Lockwashers

Silicon Bronze

DURIUM™ spring type lockwasher has high resiliency and exerts constant pressure on the face of the nut, preventing vibration from loosening the nut.



Catalog Number	For Bolt Size
25SWBOX	1/4
31SWBOX	5/16
38SWBOX	3/8
44SWBOX	7/16
50SWBOX	1/2
62SWBOX	5/8
75SWBOX	3/4

DURIUM™ Internal Lockwashers

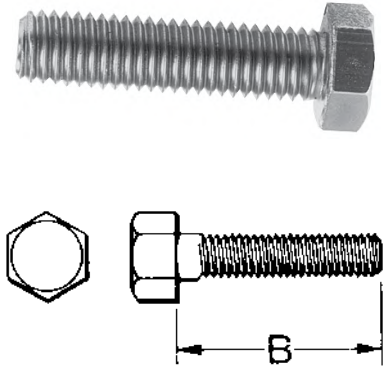
Silicon Bronze

DURIUM™ Internal Tooth Lockwashers are available as illustrated. The teeth are twisted slightly and present biting edges which grip the nut and the part being clamped, preventing the nut from backing off.



Catalog Number	For Bolt Size
25NWBOX	1/4
31NWBOX	5/16
38NWBOX	3/8
44NWBOX	7/16
50NWBOX	1/2
62NWBOX	5/8
75NWBOX	3/4

Aluminum Bolts



BURNDY® aluminum hexagon head bolts are manufactured of alloy 2024-T4 and are finished with anodic coating and lubricated. Threads are coarse series, class 2A fit.

Catalog Number	Thread Size	B Length (Inches)
50X150HABBOX	1/2-13	1-1/2
50X175HABBOX	1/2-13	1-3/4
50X200HABBOX	1/2-13	2
50X225HABBOX	1/2-13	2-1/4
50X250HABBOX	1/2-13	2-1/2
50X275HABBOX	1/2-13	2-3/4
50X300HABBOX	1/2-13	3
50X325HABBOX	1/2-13	3-1/4
50X350HABBOX	1/2-13	3-1/2
50X375HABBOX	1/2-13	3-3/4
50X400HABBOX	1/2-13	4
50X425HABBOX	1/2-13	4-1/4
50X450HABBOX	1/2-13	4-1/2

Catalog Number	Thread Size	B Length (Inches)
50X500HABBOX	1/2-13	5
50X550HABBOX	1/2-13	5-1/2
62X175HABBOX	5/8-11	1-3/4
62X200HABBOX	5/8-11	2
62X225HABBOX	5/8-11	2-1/4
62X250HABBOX	5/8-11	2-1/2
62X300HABBOX	5/8-11	3
62X350HABBOX	5/8-11	3-1/2
62X400HABBOX	5/8-11	4
62X450HABBOX	5/8-11	4-1/2
62X500HABBOX	5/8-11	5
62X550HABBOX	5/8-11	5-1/2
62X600HABBOX	5/8-11	6

Aluminum Nuts

BURNDY® aluminum nuts are manufactured of alloy 6061-T6, are finished type, coarse thread, class 2B fit.



Catalog Number	Thread Size
50HANBOX	1/2-13
62HANBOX	5/8-11

Aluminum Flat Washers

BURNDY® aluminum flat washers are manufactured of alloy 2024-T4 and are medium design.



Catalog Number	For Bolt Size
50FWABOX	1/2
62FWABOX	5/8

Aluminum Split Lockwashers

BURNDY® aluminum split lockwashers are manufactured of alloy 7075-T6 and are regular design.



Catalog Number	For Bolt Size
50SWALBOX	1/2
62SWALBOX	5/8

Galvanized Steel Hardware

Galvanized bolts, nuts, flatwashers, and internal tooth lockwashers are manufactured per ASTM307 Grade A. Nut surfaces and bolt heads have American Standard dimensions, and the threads are per American National Coarse Series, Class #2 fit. Galvanizing is per ASTM A153.

Bolts



Catalog Number	Thread Size	Length (B)
38X125HGSBBOX	3/8-16	1.25
38X275HGSBBOX	3/8-16	2.75
38X225HGSBBOX	3/8-16	2.25
50X100HGSBBOX	1/2-13	1.00
50X150HGSBBOX	1/2-13	1.50
50X200HGSBBOX	1/2-13	2.00
62X100HGSBBOX	5/8-11	1.00

Catalog Number	Thread Size	Length (B)
62X175HGSBBOX	5/8-11	1.75
75X125HGSBBOX	3/4-11	1.25
75X200HGSBBOX	3/4-10	2.00
75X500HGSBBOX	3/4-10	5.00
75X600HGSBBOX	3/4-10	6.00
100X200HGSBBOX	1-8	2.00

Nuts



Catalog Number	Thread Size
31CHGSNBOX	5/16-18
38HGSN009BOX	3/8-16
38HGSNBOX	3/8-16
50HGSNBOX	1/2-13

Catalog Number	Thread Size
62HGSNBOX	5/8-11
75HGSNBOX	3/4-10

Flat Washers



Catalog Number	For Bolt Size	Nominal Dimensions (Inches)	
		I.D.	O.D.
38X81FWGSBOX	3/8	0.41	0.81
50X106FWGSBOX	1/2	0.53	1.06
62X131FWGSBOX	5/8	0.66	1.31

Internal Tooth Lockwashers



Catalog Number	Bolt Size
38NWGSBOX	3/8
50NWGSBOX	1/2
62NWGSBOX	5/8
75NWGSBOX	3/4

Stainless Steel Hardware

Stainless steel bolts, nuts, flatwashers and split lockwashers are manufactured from 18-8 non-magnetic material. Nut surfaces and bolt heads have American National Coarse Series, Class #2 fit.

Bolts



Catalog Number	Thread Size	Length
38X125HSSBBOX	3/8-16	1-1/4
38X225HSSBBOX	3/8-16	2-1/4
38X250HSSBBOX	3/8-16	2-1/2
38X275HSSBBOX	3/8-16	2-3/4
50X200HSSBBOX	1/2-13	2

Catalog Number	Thread Size	Length
50X250HSSBBOX	1/2-13	2-1/2
50X300HSSBBOX	1/2-13	3
62X300HSSBBOX	5/8-11	3
75X300HSSBBOX	3/4-10	3

Nuts



Catalog Number	Thread Size
25HSSNBOX	1/4-20
38HSSNBOX	3/8-16
50HSSNBOX	1/2-13
62HSSNBOX	5/8-11
75HSSNBOX	3/4-10

Split Lockwashers



Catalog Number	For Bolt Size
25SWSSLTBOX	1/4
38SWSSMDBOX	3/8
50SWSSMDBOX	1/2
62SWSSMDBOX	5/8

Flat Washers



Catalog Number	For Bolt Size	Nominal Dimensions (Inches)	
		I.D.	O.D.
25FWSBOX	1/4	0.27	0.69
38FWSBOX	3/8	0.41	1.00
50FWSBOX	1/2	0.59	1.13
62FWSBOX	5/8	0.66	1.31

Stainless Steel Belleville Washers

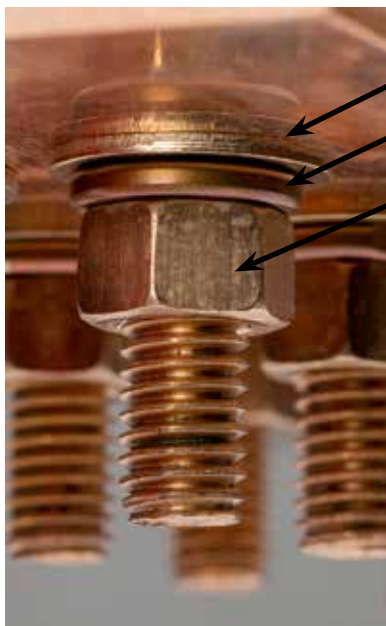
Any bolted “pad to flat” electrical connection should include a bolt, two flatwashers, and the nut. In addition, if any of the flat components is aluminum, a properly designed Belleville washer should be interposed between one of the flatwashers and either the bolt head or the nut, with the hollow of the Belleville washer placed against the flat washer. BURNDY® Belleville washers are designed to maintain substantial force when tightened to NEMA-recommended values and finely finished to avoid galling.



Catalog Number	Bolt Size	Nominal Dimensions		
		Thickness	I.D.	O.D.
38X75BWSSBOX	3/8	0.06	0.39	0.75
50X106BWSSBOX	1/2	0.10	0.53	1.06



Recommended Termination Hardware



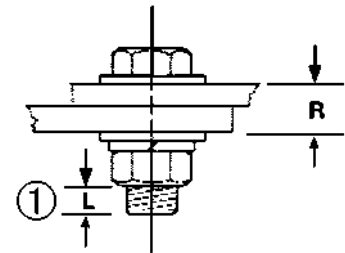
- Bolt
- Flat Washer
- Terminal
- Surface (Busbar here)
- Flat Washer
- Lockwasher
- Nut

Type TMH DURIUM™ Silicon Bronze Hardware Kits

Type TMH DURIUM™ silicon bronze hardware kits can be ordered for specific applications ensuring the proper type and amount of hardware for each installation. Packaged in separate sealed bags, they are convenient to use, eliminating mismatched quantities. DURIUM™ silicon bronze material provides long lasting corrosion resistance Grade 2.



Catalog Number	Size	Each TMH Kit Includes:					Working Range (R)	Installation Torque (In-lbs)
		Bolt		Flat Washer	Split Washer	Hex Nut		
		Length	Qty					
TMH262	1/4-20	0.75	2	4	2	2	0.09 - 0.34	80
TMH263		1.00	2	4	2	2	0.34 - 0.59	
TMH264		1.25	2	4	2	2	0.59 - 0.84	
TMH265		1.50	2	4	2	2	0.84 - 1.09	
TMH266	3/8-16	0.75	2	4	2	2	0.00 - 0.19	240
TMH267		1.00	2	4	2	2	0.19 - 0.44	
TMH268		1.25	2	4	2	2	0.44 - 0.69	
TMH269		1.50	2	4	2	2	0.69 - 0.94	
TMH270		1.75	2	4	2	2	0.94 - 1.19	
TMH271		2.00	2	4	2	2	1.19 - 1.44	
TMH332 ②		2.75	2	4	2	2	-	
TMH261 †		3.00	2	4	2	2	2.15 - 2.40	
TMH289 ††	1.25	1	2	1	1	0.02 - 0.27	480	
TMH295	1.25	2	4	2	2	0.27 - 0.49		
TMH272	1.50	2	4	2	2	0.49 - 0.74		
TMH294	1.75	2	4	2	2	0.74 - 0.99		
TMH69	2.00	2	4	2	2	0.99 - 1.24		



† For use with CUSA750-2TC38 copper spacer adaptor, (2) terminals and * thick equipment bus bar. For other combinations contact BURNDY®.
 †† For use with all GAR-TC connectors. "R" dimension is allowable pad thickness of terminal

* For other combinations contact BURNDY®.
 ① "L" dimension never exceeds 0.25"
 ② For use with CUSA442TC38 on 1/4" bus bar and HYLUG™ 4/0 - 750 kcmil.

Type TMH-SS Stainless Steel Hardware Kits

Type TMH-SS are stainless steel hardware kits. Just like the standard TMH kits, these kits can be ordered for specific applications ensuring the proper type and amount of hardware for each installation. They are packaged in separate sealed bags and convenient for use and ordering.

Catalog Number	Size	Each TMH Kit Includes:					Working Range (R)	Installation Torque (In-lbs)
		Bolt		Flat Washer	Split Washer	Hex Nut		
		Length	Qty					
TMH322SS	10-32	0.88	1	0	1	1	-	45
TMH262SS	1/4-20	0.75	2	4	2	2	0.09 - 0.34	80
TMH263SS		1.00	2	4	2	2	0.34 - 0.59	
TMH264SS		1.25	2	4	2	2	0.59 - 0.84	
TMH265SS		1.50	2	4	2	2	0.84 - 1.09	
TMH267SS	3/8-16	1.00	2	4	2	2	0.19 - 0.44	240
TMH268SS		1.25	2	4	2	2	0.44 - 0.69	
TMH269SS		1.50	2	4	2	2	0.69 - 0.94	
TMH270SS		1.75	2	4	2	2	0.94 - 1.19	
TMH271SS		2.00	2	4	2	2	1.19 - 1.44	
TMH261SS †	3.00	2	4	2	2	2.15 - 2.40	480	
TMH295SS	1.25	2	4	2	2	0.27 - 0.49		
TMH272SS	1.50	2	4	2	2	0.49 - 0.74		
TMH294SS	1.75	2	4	2	2	0.74 - 0.99		
TMH69SS	2.00	2	4	2	2	0.99 - 1.24		

Type COVERYA Covers for Transformer Connectors

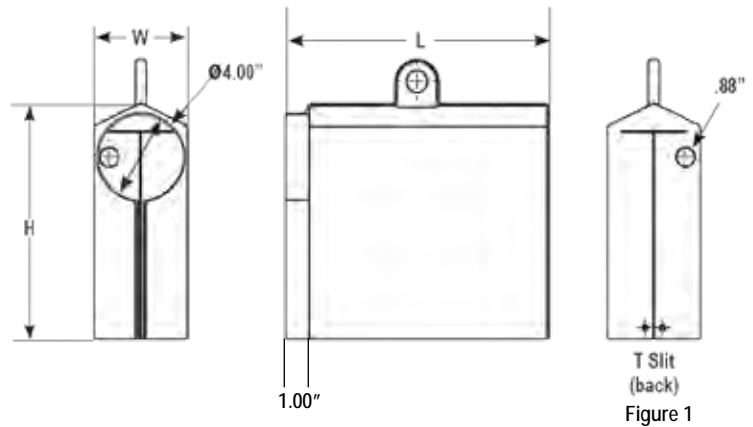
These plastisol covers are typically used to cover secondary connections inside a 3-Phase pad mounted transformer and are provided in 9-1/2", 12", or 14" lengths to accommodate larger Paddle installations commonly found in Wind, Solar, and Utility applications. The covers are offered in orange or black as standard, but are available in a variety of colors. Multipurposed for use in many different applications covering mechanical and compression connectors. Covers are manufactured of dielectric grade PVC.

Contact the factory for any additional designs or colors that may be necessary for your specific application.

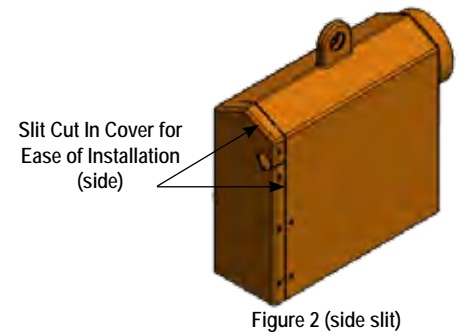


Features & Benefits

- Offered in orange or black as standard, but available in a variety of colors
- Multipurposed for use in many different applications covering mechanical and compression connections
- Labor Saving design features opening on the back end (T-Slit) to fit over Transformer Support Brackets without need for any dangerous "in-field" cutting or manipulation
- .88" diameter hole on the back allows for ground stud to fit through easily
- Hot Stick Adapter on top allows for safer removal when necessary
- Covers are manufactured in Black or Orange dielectric grade PVC



Catalog Number	Color	Figure	Slit Design	Dimensions		
				L	W	H
COVERYA3ORG	Orange	1	T-Slit Back	9.50	4.25	10.75
COVERYA3BLK	Black					
COVERYA4ORG	Orange	1	T-Slit Back	12.00	4.25	10.75
COVERYA4BLK	Black					
COVERYA5ORG	Orange	2	Side Slit	12.50	4.25	10.75
COVERYA5BLK	Black					
COVERYA6ORG	Orange	1	T-Slit Back	14.00	6.25	10.75
COVERYA6BLK	Black					



*Contact customer service or your local sales representative for additional colors or sizes not listed.

WIREMIKE™

Stainless Steel Wire Micrometer

Features and Benefits

- Strong, durable, high quality
- Allow for use as both caliper and ruler
- Most formats measures I.D. and O.D. of tubing, thin-wall and rigid conduit including IPS, ACSR, stranded and solid commercial cables

Catalog # WIREMIKE, WIREMIKED and RK1942 are for use on:

ACSR

#6 to 336.4 (26/7) Stranded

Stranded AWG

#18 to 2000 kcmil

Solid

#20 to 4/0 AWG

IPS Tubing (Cu/Al) and Rigid Conduit:

1/4" to 2-1/2"

Tubing Sizes:

3-1/8" inside maximum; 2-15/16" outside maximum

Thin-wall Conduit:

3/8" to 2-1/2"

Catalog # WIREMIKECI is for use on:

Compression Connectors and Splices (including Compression Grounding)

#18 to 2500 kcmil Copper Class B

#10 to 4/0 Solid Aluminum / Copper

#18 to 3500 kcmil Concentric Aluminum

#8 to 1100 kcmil Compact Aluminum

#14 to 1111 kcmil Copper DLO

Also used for reference only* for inspection of completed crimp when using Butting Copper or Aluminum Dies with the 750, 46, 35, or 39 series of tools.

Copper Dies U8CRT to U44XRT

Aluminum Dies U8CABT to U39ART2



WIREMIKE

Variations:

WIREMIKE	Stainless Steel with inch/fraction markings
WIREMIKECI	Stainless Steel, no ruler capabilities but may be used for reference on specific completed crimps (see more detail below on WIREMIKECI)
WIREMIKED	Stainless Steel, decimal markings in place of fraction markings, same capabilities as catalog # WIREMIKE™
RK1942	Convenience packaging of WIREMIKE (with inch markings) in packaging suitable for hanging on a rack; sold in multiples of 10 only

Catalog # WIREMIKECI is for use on:

Compression Connectors and Splices (including Compression Grounding)

#18 to 2500 kcmil Copper Class B

#10 to 4/0 Solid Aluminum / Copper

#18 to 3500 kcmil Concentric Aluminum

#8 to 1100 kcmil Compact Aluminum

#14 to 1111 kcmil Copper DLO

Also used for reference only* for inspection of completed crimp when using Butting Copper or Aluminum Dies with the 750, 46, 35, or 39 series of tools.

Copper Dies U8CRT to U44XRT

Aluminum Dies U8CABT to U39ART2

Close up for the
Die Inspection Section
(Used for Reference Only*)
Catalog # WIREMIKECI only



*WIREMIKECI tool is to provide measurements for reference only, not to confirm the suitability of connection. Customer is responsible to independently verify suitability of connection.

Table of Contents

Available Materials.....	G-2	WILEY Bundle Straps.....	G-28
Material Specifications.....	G-2	WILEY Coated Straps.....	G-29
Material Performance Guide.....	G-3	WILEY Coated P-Clips.....	G-29
Cable Tie Catalog Schema.....	G-3	WILEY Cable Clips.....	G-30
Military Specification Information for UNIRAP™ Cable Ties.....	G-4	WILEY Rail Clips.....	G-31
UNIRAP™ Nylon Cable Ties - Engineering and Performance.....	G-5	Cable Tie Tools.....	G-32
UNIRAP™ Standard Nylon 6/6 Cable Ties.....	G-6	Split Loom Tubing.....	G-32
UNIRAP™ Nylon 6/6 Identification Cable Ties.....	G-10	145PTAG 94V0 Rated Nylon Tag.....	G-32
UNIRAP™ Nylon 6/6 Push Mount Cable Ties.....	G-10		
UNIRAP™ Nylon 6/6 Releasable Cable Ties.....	G-11		
UNIRAP™ Nylon 6/6 Metal Detectable Cable Ties.....	G-11		
UNIRAP™ Nylon 6/6 Mounting Hole Cable Ties.....	G-12		
UNIRAP™ Heat Stabilized 6/6 Nylon Cable Ties.....	G-12		
UNIRAP™ Nylon 6/6 Standard Cable Tie Mounting Bases.....	G-13		
UNIRAP™ Nylon 6/6 Cable Hangers.....	G-14		
UNIRAP™ Stainless Steel Barb Cable Ties.....	G-15		
UNIRAP™ Nylon 6/6 Universal Grade Cable Ties.....	G-17		
UNIRAP™ Nylon 6/6 Mounting Hole Universal Grade Cable Ties.....	G-19		
UNIRAP™ Nylon 6/6 Universal Grade Mounting Bases.....	G-19		
UNIRAP™ Nylon 6/6 Cable Tie Variety Canister.....	G-20		
UNIRAP™ Nylon 12 Cable Ties.....	G-20		
VELCRO® Hook and Loop Straps.....	G-21		
TEFZEL® Fluoropolymer Ties.....	G-21		
UNIRAP™ Stainless Steel Ties; Grade 304; Uncoated.....	G-22		
UNIRAP™ Stainless Steel Ties; Grade 304; Partially Coated.....	G-23		
UNIRAP™ Stainless Steel Ties; Grade 304; Fully Coated.....	G-24		
UNIRAP™ Stainless Steel Ties; Grade 316; Uncoated.....	G-25		
UNIRAP™ Stainless Steel Ties; Grade 316; Partially Coated.....	G-26		
UNIRAP™ Stainless Steel Ties; Grade 316; Fully Coated.....	G-27		

Available Materials

Nylon 6/6 — General Purpose

General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine and iodine when burned. Nylon 6/6 is hydroscopic, and therefore, absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness and elongation of the product.

Nylon 6/6 — Heat Stabilized

With similar properties and benefits as nylon 6/6, products manufactured with heat stabilized nylon 6/6 material have a chemical stabilizer added for higher continuous temperature applications.

Nylon 6/6 — UV Stabilized

Chemical inhibitors are used to give nylon 6/6 material added properties to fight against premature aging of products due to the effects of ultraviolet rays.

Nylon 6/6 — UV Stabilized (2% Carbon for Military Specification)

The physical properties of this material include carbon, which acts as a UV stabilizer, prolonging the life of the product under ultraviolet conditions. It also allows cable ties to meet the particular military specification for cable ties.

Nylon 6/6 — V0 Flame Retardant

This material meets UL 94V-0 flammability requirements. Flame retardant additives generally reduce tensile strength when compared to general-purpose nylon 6/6, but this resin has been formulated to minimize such effects.

Nylon 6/6 — Metal Detectable

Metal content blended through cable tie. Meets US FDA food contact material compliance. Used to help prevent possible contamination that may result in recalls. Often used in food processing, beverage, pharmaceutical and cosmetic industries.

Nylon 6/6 — High Impact

Impact modifiers are added to increase flexibility. High impact nylon 6/6 has stable tensile strength due to its reduced influence from moisture. It is excellent for high vibration applications, as within the aircraft and automobile industries and performs better than nylon 6/6 against ultraviolet rays. Good for outdoor use.

Polypropylene

Polypropylene is used in environments where chemical effects on nylon are a concern. It is not affected by inorganic acids (hydrochloric), polyhydric alcohols (ethyleneglycol), neutral salts (sodium chloride) and basic salts (sodium bicarbonate). Polypropylene also resists a number of other chemicals with good results, although it has lower tensile strength than nylon 6/6 (about half). Polypropylene has good UV resistance.

Nylon 12 — UV Stabilized

Nylon 12 is resistant to chemicals and salts. Ideal for solar applications. Weather resistant grade, produced by the addition of stabilizers to the nylon resin.

Stainless Steel

Stainless Steel is used where corrosion, vibration, weathering, and temperature extremes are a concern. May be used for virtually any indoor, outdoor, or underground application. Available in both 304 and 316 Stainless Steel. Also available partially or fully coated with polyester.

TEFZEL® Fluoropolymer

TEFZEL® Fluoropolymer ties feature a low smoke density with excellent flammability rating (UL 94V-0) and tolerates extreme high and low temperatures. TEFZEL® comes in an aqua blue color with an operating temperature of Min. -112°F (-80°C), Max. 338°F (170°C). TEFZEL® is a Registered trademark of E. I. du Pont de Nemours and Company.

Material Specifications

Material	Continuous* Operating Temperature Max. Min.	Tensile Strength at 73° F Dry as Molded ASTM D-638 (PSI)	UL Flame Rating	Oxygen Index %	Gamma Radiation Resistance	UV Resistance	Military, Federal, ASTM, and FDA Specifications
Nylon 6/6 — General Purpose (CT)	185° F —40° F 85° C —40° C	12,000	94V-2	28	1 x 10 ⁵ Rads	Poor	ASTM D-4066PA0111 FDA CFR177.1500
Nylon 6/6 — Heat Stabilized (CTHS)	220° F —40° F 105° C —40° C	12,000	94V-2	26	1 x 10 ⁵ Rads	Poor	ASTM D-4066PA0121
Nylon 6/6 — UV Stabilized (O)	185° F —40° F 85° C —40° C	12,000	94V-2	26	1 x 10 ⁵ Rads	Good	ASTM D4066PA0191
Nylon 6/6 — 2% Carbon UV Stabilized (OO)	220° F —40° F 105° C —40° C	12,000	94V-2	26	1 x 10 ⁵ Rads	Good	ASTM D-4066PA0181 MS3367/8
Nylon 6/6 — Flame Retardant (CTV)	185° F —40° F 85° C —40° C	10,800	94V-0	34	1 x 10 ⁵ Rads	Poor	ASTM D-4066PA0110
Nylon 6/6 — High Impact	185° F —40° F 85° C —40° C	8,800	94-HB	19	1 x 10 ⁵ Rads	Good	ASTM D-4066PA0150
Polypropylene — Chemical Resistant (CTPP)	185° F —40° F 85° C —40° C	3,400	94-HB	N/A	1 x 10 ⁵ Rads	Good	ASTM D-4101PP0320 FDA CFR177.1520
Nylon 12 — UV Stabilized	176° F —40° F 80° C —40° C	5,800	94-HB	N/A	9 x 10 ⁶ Rads	Good	ASTM D-4066PA411

* Elevated temperatures, over time, will affect materials' properties such as tensile strength, stiffness, elongation and appearance.

BURNDY® recommends the evaluation of cable ties in the actual application to determine the suitability of the tie for that application.

Material Performance Guide

Selection	Nylon 6/6 General Purpose	Nylon 6/6 Heat Stab.	Nylon 6/6 UV Stab.	Nylon 6/6 2% Carbon UV Stab.	Nylon 6/6 Flame Ret. V0	Nylon 6/6 High Impact	Poly- propylene	Nylon 12 UV Stab.
Tensile Strength	8	8	8	9	7	8	2	4
High Temp.	2	3	2	2	2	2	2	1
Flammability	5	5	5	5	10	2	2	2
UV Resistance	1	1	5	8	1	2	5	3
Radiation	3	3	3	3	3	3	6	3
Chemical	6	6	6	6	6	6	8	8
— Hydrocarbons	8	8	8	8	8	8	6	8
— Chlorinated	6	6	6	6	6	6	3	8
— Hydrocarbons	2	2	2	2	2	2	8	5
— Acids-Bases	6	6	6	6	6	6	8	6
— Salts	3	3	3	3	3	3	10	8
Relative Cost	Low	Low	Med.	Med.	Med.	Med.	Med.	Med.

1 = Least Recommended 10 = Most Recommended

The following chart is meant to help you understand BURNDY's cable tie catalog numbering system. Not every cable tie is available in every listed option. See below Catalog Numbering System Charts or contact BURNDY® Customer Service for more information.

Gray bars contain catalog number examples.

Type	Tensile	Bundle Dia.	Feature	Package	Color
CT	50	175		C	
CT = Nylon 6/6 Standard	18 = 18 lbs. 30 = 30 lbs. 40 = 40 lbs.	075 = 3/4" 087 = 7/8" 100 = 1"	CPM = Center Push Mount DL = Double Loop EPR = Extended Pawl Releasable	V = 5 X = 10 O = 25	0 = UV Black ¹ 00 = UV Black ² 02 = Red
CTAS = Aerial Support	50 = 50 lbs. 100 = 100 lbs. 110 = 110 lbs.	125 = 1-1/4" 137 = 1-3/8" 150 = 1-1/2"	ID = Single Head ID ID2 = Double Head ID ID3 = Triple Head ID	L = 50 C = 100 B = 250 D = 500 M = 1000	1 = Brown 2 = Red 3 = Orange 4 = Yellow 5 = Green 6 = Blue 7 = Purple 8 = Gray 9 = Neon Green 10 = White 11 = Telco Gray 12 = Pink 20 = Black
CTHS = Nylon 6/6 Heat Stabilized	120 = 120 lbs. 175 = 175 lbs. 225 = 225 lbs.	175 = 1-3/4" 200 = 2" 225 = 2-1/4"	FL = ID Flag MH4 = Mounting Hole #4 MH6 = Mounting Hole #6 MH8 = Mounting Hole #8 MH10 = Mounting Hole #10 MH14 = Mounting Hole #14		
CTV = Nylon 6/6 Flame Retardant UL94V-0	250 = 250 lbs. 450 = 450 lbs. 500 = 500 lbs.	250 = 2-1/2" 300 = 3" 325 = 3-1/4"	PM = Push Mount Tie PML = Push Mount Tie w/Louvers PMW = Push Mount Tie w/Wing		
CTPP = Polypropylene	675 = 675 lbs. 700 - 700 lbs. 800 = 800 lbs.	350 = 3-1/2" 400 = 4" 425 = 4-1/4"	R = Releasable Tie LD = Ladder LP = Low Profile Tie PS = Positive Stop SSB = Stainless Steel Barb		
CTSS = Stainless Steel	900 = 900 lbs.	500 = 5" 600 = 6" 700 = 7" 750 = 7-1/2" 800 = 8" 900 = 9" 1000 = 10" 1100 = 11" 1200 = 12" 1300 = 13" 1400 = 14"	FC304 = Fully Coated 304 FC316 = Fully Coated 316 PC304 = Partially Coated 304 PC316 = Partially Coated 316 SSH = Stainless Steel Hook		Blank = Natural

¹Material: Nylon 6/6 — UV Stabilized

²Material: Nylon 6/6 — 2% Carbon UV Stabilized (Mil. Spec.)

Type	Bundle Diameter	Adhesive/Mounting Type	Figure #	Package	Color
CTB	100	RA		C	0
CTB = Cable Tie Base	075 = 3/4"	RA = Rubber Adhesive	#1	L = 50	0 = UV Black
CTBR = Cable Tie Base Rectangular	125 = 1-1/4" 150 = 1-1/2"	AA = Acrylic Adhesive S = Screw Mounted	#2 #3	C = 100 D = 500 M = 1000	Blank = Natural
CTBRWR = Cable Tie Base Weather Resistant					

Military Specification Information on UNIRAP™ Cable Ties

The BURNDY® UNIRAP™ Cable Ties shown below meet the requirements of SAE AS23190A (formerly MIL-S-23190) in accordance with specification MS3367, MS3368, and QPL-23190.

Mil Spec	Distributor Pack Catalog Number	Bulk Pack Catalog Number	Color
MS3367-1-0	CT50175C00	CT50175M00	UV Black ²
MS3367-1-0	CT50175C0	CT50175M0	UV Black ¹
MS3367-1-1	CT50175C1	—	Brown
MS3367-1-2	CT50175C2	CT50175M02	Red
MS3367-1-3	CT50175C3	—	Orange
MS3367-1-4	CT50175C4	—	Yellow
MS3367-1-5	CT50175C5	—	Green
MS3367-1-6	CT50175C6	—	Blue
MS3367-1-7	CT50175C7	—	Purple
MS3367-1-8	CT50175C8	—	Gray
MS3367-1-9	CT50175C	CT50175M	Natural
MS3367-2-0	CT50400C00	CT50400M00	UV Black ²
MS3367-2-0	CT50400C0	CT50400M0	UV Black ¹
MS3367-2-2	CT50400C2	CT50400M02	Red
MS3367-2-3	CT50400C3	—	Orange
MS3367-2-9	CT50400C	CT50400M	Natural
MS3367-3-0	CT120400L00	CT120400D00	UV Black ²
MS3367-3-0	CT120400L0	CT120400D0 CT120400M0	UV Black ¹
MS3367-3-9	CT120400L	CT120400D	Natural
MS3367-4-0	CT18075C00	CT18075M00	UV Black ²
MS3367-4-0	CT18075C0	CT18075M0	UV Black ¹
MS3367-4-9	CT18075C	CT18075M	Natural
MS3367-5-0	CT30125C00	CT30125M00	UV Black ²
MS3367-5-0	CT30125C0	CT30125M0	UV Black ¹
MS3367-5-9	CT30125C	CT30125M	Natural
MS3367-7-0	CT50300C00	CT50300M00	UV Black ²
MS3367-7-0	CT50300C0	CT50300M0	UV Black ¹
MS3367-7-2	CT50300C2	—	Red
MS3367-7-9	CT50300C	CT50300M	Natural
MS3367-10-0	CT175600Q0	—	UV Black ¹
MS3367-10-9	CT175600Q	—	Natural
MS3367-13-0	CT175900Q00	—	UV Black ²
MS3367-13-0	CT1751100Q0	—	UV Black ¹
MS3367-13-9	CT1751100Q	—	Natural

¹Material: Nylon 6/6 UV Stabilized

²Material: Nylon 6/6 2% UV Stabilized - Mil. Spec.

UNIRAP™ Nylon Cable Ties

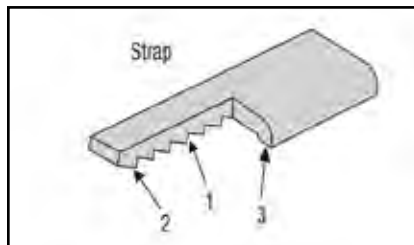
UNIRAP™ cable ties are fabricated of one piece Nylon with no metal parts. The straps are tough, resilient, lightweight and abrasion resistant. They offer high tensile strength and are chemically resistive to solvents, alkalis, oils, grease and diluted acids. Self-locking, they secure without twisting or leaving sharp projections.

Compact heads and pre-bent tips facilitate cable bundling in a minimum of time and space. UNIRAP™ cable ties are designed for both field and production line use and may be installed easily by hand.



BURNDY® cable ties consist of three components: strap, head, and tail. These components are specifically designed to function together to make BURNDY® UNIRAP™ cable ties superior in quality and performance. Shelf life of 5 years, when stored in original packaging.

Component

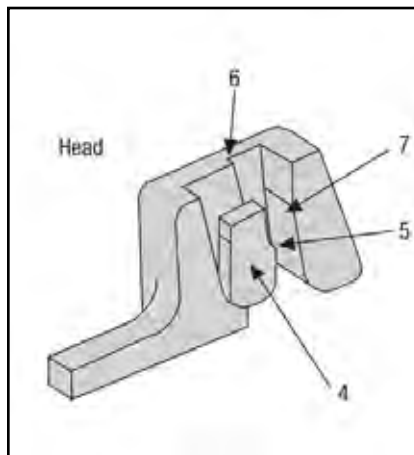


Precision Engineering

1. Includes load bearing serrations.
2. Features **flats** between the serrations.
3. Features the double outer rail system.

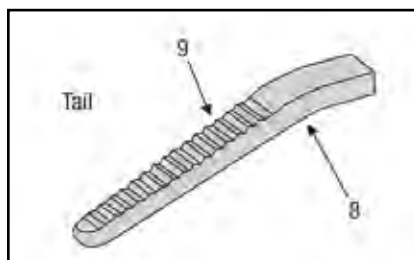
Enhanced Performance

1. Serrations provide complete adjustability within the fastening range.
2. Flats reduce stress concentrations and help make the tie stronger.
3. Smooth rails promote low drag, as well as minimize chafing.



4. The pawl is integrally formed with the head.
5. The pawl is stepped in order to wedge against the serrations in the strap to form the lock.
6. The shoulders, or the sides of the head, guide the strap and prevent it from disengaging from the pawl during loaded conditions.
7. The back supports the strap during the wedging of the lock formation.

4. The locking unit will not disengage. It also promotes low insertion with high pull out force for very easy installation.
5. The tie's ultimate strength achieves optimum levels.
6. Promotes cable tie strength, endurance and longevity.
7. Ensure optimum locking capability.



8. Features a bent tip.
9. Includes a ribbed grip.

8. Easy pick-up for installers, which leads to fast assembly.
9. Allows for easy, no-slip grip.

UNIRAP™ Standard Cable Ties Type CT

General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine, or iodine when burned. Nylon 6/6 is hydroscopic, and therefore absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness, and elongation of the product.

UV Black / UV Black (Mil. Spec.) are 2% Carbon UV Stabilized.



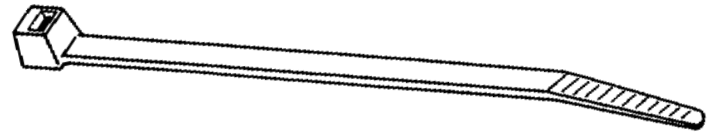
UL62275
Type 2 & 21

Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling		Bulk Pkg Catalog Number	UL Type	Plenum Rated
				in [mm]	in [mm]	Tool	Tool Setting (if applicable)			
Nylon UNIRAP - 18 Lb. Tensile Strength										
CT18075C	Natural (Mil. Spec.)	0.75 [19.1]	18	4.10 [104]	0.10 [2.5]	CTT50 MK9	2 Std.	CT18075M	UL 62275, Type 2 & 21	Y
CT18075C0	UV Black (Mil. Spec.)							CT18075M0		
CT18075C00	UV Black (Mil. Spec.)							CT18075M00		
CT18125C	Natural	1.25 [31.8]	18	6.10 [155]	0.10 [2.5]	CTT50 MK9	2 Std.	CT18125M		
CT18125C0	UV Black							CT18125M0		
CT18125C3	Orange							-		
CT18125C4	Yellow							-		
CT18200C	Natural	2.00 [50.8]	18	8.10 [206]	0.10 [2.5]	CTT50 MK9	2 Std.	CT18200M		
CT18200C1	Brown							-		
CT18200C2	Red							-		
CT18200C5	Green							-		
CT18200C6	Blue							-		
CT18200C0	UV Black							CT18200M0		
Nylon UNIRAP - 30 Lb. Tensile Strength										
CT30125C	Natural (Mil. Spec.)	1.25 [31.8]	30	5.75 [146]	0.14 [3.6]	CTT50 MK9	2 Std.	CT30125M	UL 62275, Type 2 & 21	Y
CT18125C3	Orange							-		
CT18125C4	Yellow							-		
CT30125C0	UV Black (Mil. Spec.)							CT30125M0		
CT30125C00	UV Black (Mil. Spec.)							CT30125M00		

UNIRAP™ Standard Cable Ties Type CT (Continued)



UL62275
Type 2 & 21



Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling		Bulk Pkg Catalog Number	UL Type	Plenum Rated
				in [mm]	in [mm]	Tool	Tool Setting (if applicable)			
Nylon UNIRAP - 40 Lb. Tensile Strength										
CT40200C	Natural	2.00 [50.8]	40	8.65 [220]	0.14 [3.6]	CTT50 MK9	2 Std.	CT40200M	UL 62275, Type 2 & 21	Y
CT40200C0	UV Black							CT40200M0		
CT40200C00	UV Black							CT40200M00		
CT40300C	Natural	3.00 [76.2]		11.10 [282]	0.18 [4.6]	CTT50 MK9	3 Std.	CT40300M		
CT40300C0	UV Black							CT40300M0		
CT40300C00	UV Black							CT40300M00		
CT40400C	Natural	4.00 [101.6]		14.60 [371]	0.18 [4.6]	CTT50 MK9	3 Std.	CT40400M		
CT40400C0	UV Black							CT40400M0		
CT40400C00	UV Black							CT40400M00		
Nylon UNIRAP - 50 Lb. Tensile Strength										
CT50175C	Natural (Mil. Spec.)	1.75 [44.5]	50	7.60 [193]	0.18 [4.6]	CTT50 MK9	3 Std.	CT50175M	UL 62275, Type 2 & 21	Y
CT50175C0	UV Black (Mil. Spec.)							CT50175M0		
CT50175C1	Brown (Mil. Spec.)							CT50175M02		
CT50175C2	Red (Mil. Spec.)							-		
CT50175C3	Orange (Mil. Spec.)							-		
CT50175C4	Yellow (Mil. Spec.)							-		
CT50175C5	Green (Mil. Spec.)							-		
CT50175C6	Blue (Mil. Spec.)							-		
CT50175C7	Purple (Mil. Spec.)							-		
CT50175C8	Gray (Mil. Spec.)							-		
CT50175C00	UV Black (Mil. Spec.)							CT50175M00		

UNIRAP™ Standard Cable Ties Type CT (Continued)



UL62275
Type 2 & 21



UR1565



Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling		Bulk Pkg Catalog Number	UL Type	Plenum Rated
				in [mm]	in [mm]	Tool	Tool Setting (if applicable)			
CT50300C	Natural (Mil. Spec.)	3.00 [76.2]	50	11.10 [282]	0.18 [4.6]	CTT50 MK9	3 Std	CT50300M	UL 62275, Type 2 & 21	Y
CT50300C0	UV Black (Mil. Spec.)							CT50300M0		
CT50300C2	Red (Mil. Spec.)							-		
CT50300C00	UV Black (Mil. Spec.)							CT50300M00		
CT50400C	Natural (Mil. Spec.)	4.00 [101.6]	50	14.60 [371]	0.18 [4.6]	CTT50 MK9	3 Std	CT50400M	UL 62275, Type 2 & 21	Y
CT50400C0	UV Black (Mil. Spec.)							CT50400M0		
CT50400C2	Red (Mil. Spec.)							CT50400M02		
CT50400C3	Orange (Mil. Spec.)							-		
CT50400C00	UV Black (Mil. Spec.)							CT50400M00		

Nylon UNIRAP - 120 Lb. Tensile Strength

CT120200L	Natural	2.00 [50.8]	120	9.00 [229]	0.30 [7.6]	MK9	Heavy	CT120200D	UL 62275, Type 2 & 21	Y
CT120200L0	UV Black (Mil. Spec.)							CT120200D0		
CT120400L	Natural (Mil. Spec.)	4.00 [101.6]	120	15.00 [381]	0.30 [7.6]	MK9	Heavy	CT120400D	UL 62275, Type 2 & 21	Y
CT120400L0	UV Black (Mil. Spec.)							CT120400D0 CT120400M0		
CT120400L00	UV Black (Mil. Spec.)							CT120400D00		
CT120800L	Natural	8.00 [203.2]	120	28.51 [724]	0.30 [7.6]	MK9	Heavy	-	UL 62275, Type 2 & 21	N
CT120800L00	UV Black							-		

UNIRAP™ Standard Cable Ties Type CT (Continued)



UL62275
Type 2 & 21



UR1565



Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling		Bulk Pkg Catalog Number	UL Type	Plenum Rated						
				in [mm]	in [mm]	Tool	Tool Setting (if applicable)									
Nylon UNIRAP - 175 Lb. Tensile Strength																
CT175500Q	Natural	5.50 [139.7]	175	18.10 [460]	0.34 [8.6]	MK9	Heavy	—	UL 62275, Type 2 & 21	Y						
CT175500Q0	UV Black										7.00 [177.8]	24.51 [622]	0.35 [8.9]	—	—	—
CT175600Q	Natural (Mil. Spec.)	8.90 [222.1]		32.67 [830]	0.35 [8.9]											
CT175600Q0	UV Black (Mil. Spec.)										8.75 [222.0]	36.50 [927]	0.34 [8.6]	—	—	—
CT175800Q0	UV Black	11.00 [279.4]		48.00 [1219]	0.35 [8.9]					—						
CT175900Q	Natural										15.00 [381.0]	48.50 [1232]	0.34 [8.6]	—	—	—
CT175900Q00	UV Black (Mil. Spec.)															
CT1751100Q	Natural (Mil. Spec.)															
CT1751100Q0	UV Black (Mil. Spec.)															
CT1751400Q0	UV Black															
CT1751500Q	Natural															
Nylon UNIRAP - 250 Lb. Tensile Strength																
CT250600Q	Natural	6.00 [152.4]	250	23.00 [584]	0.35 [8.9]	MK9	Heavy	—	UR 1565	N						
CT250600Q0	UV Black										8.00 [203.2]	28.74 [730]	0.35 [8.9]	—	—	—
CT250800Q	Natural	10.00 [254.0]		28.50 [724]	0.50 [12.7]											
CT250800Q0	UV Black										12.00 [305.0]	34.64 [880]	0.50 [12.7]	—	—	—
CT2501000Q	Natural															
CT2501200Q	Natural															
CT2501200Q0	UV Black															

UNIRAP™ Identification Cable Ties Type CT-ID

Identification cable ties are used in both bundling and identifying the wire groups at the same time. Same material, features and benefits as the Nylon 6/6 Standard Cable Ties.

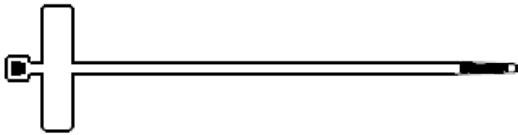


Fig. #2

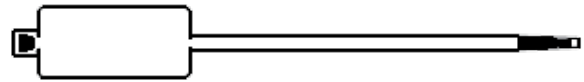


Fig. #1

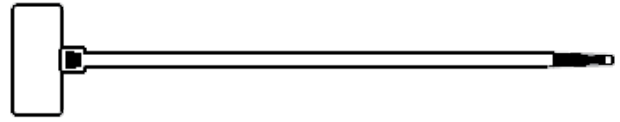


Fig. #3

Std Pkg Catalog Number	Material	Color	Fig.	Marking Pad Size Inches	Max Bundle Diameter Inches [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)
CT18075FLC	Nylon 6/6	Natural	3	.36 X .81	0.75 [19]	18	4.10 [104]	0.10 [2.5]	CTT50 MK9	2 Std.
CT18075IDC			2	.33 X 1.00	0.75 [19]	18	4.01 [102]	0.10 [2.5]		
CT18200IDC			2	.33 X 1.00	2.09 [53]	18	7.72 [196]	0.10 [2.5]		
CT50175IDC			1	.51 X 1.09	1.75 [44]	50	7.48 [190]	0.18 [4.6]	CTT50 MK9	3 Heavy
CT50250IDC			1	.51 X 1.09	2.95 [75]	50	10.60 [269]	0.19 [4.8]		

UNIRAP™ Push Mount Cable Ties Type CT-PM

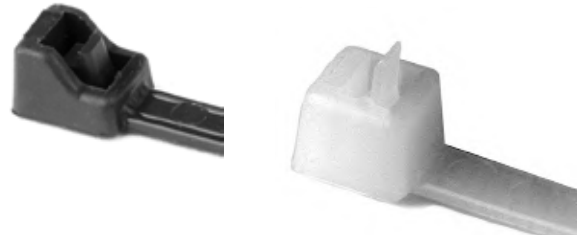
Push Mount Cable Ties attach cable bundle to other surface through a pre-drilled hole. One piece design provides extra stability, reliability, and consistent performance. Same material and features as the Nylon 6/6 Standard Cable Ties.



Std Pkg Catalog Number	Material	Color	Max Bundle Diameter In. [mm]	Min Tensile Strength (lb)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)
CT50175PMC	Nylon 6/6	Natural	1.75 [44.5]	50	8.50 [216]	0.18 [4.6]	CTT50 MK9	2 Heavy
CT50175PMCO		UV Black						

UNIRAP™ Releasable Cable Ties Type CT-R

Perfect for prototype construction, releasable ties are ideal for temporary installations. Releasable ties are good for applications where service requires adding or subtracting wires from an existing bundle.



Std Pkg Catalog Number	Material	Color	Max Bundle Diameter In. [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)
CT50175RC	Nylon 6/6	Natural	2.13 [54.1]	50	8.00 [198]	0.19 [4]	CTT50 MK9	2 Heavy
CT50175RC0		UV Black						
CT50137RC		Natural	1.40 [35.6]	50	6.00 [151]			
CT50400RC		Natural	4.00 [101.6]	50	15.20 [387]			
CT50400RC0		UV Black						
CT250200RQ		Natural	2.52 [64.0]	250	9.50 [241]	0.49 [12.4]	MK9	Heavy
CT250200RQ0		UV Black						
CT250500RQ		Natural	5.00 [127.0]	250	20.00 [509]			
CT250500RQ0		UV Black						
CT250600RQ		Natural	6.00 [152.4]	250	24.30 [618]			
CT250600RQ0		UV Black						
CT250800RQ		Natural	8.00 [203.2]	250	28.50 [724]			
CT250800RQ0		UV Black						
CT2501000RQ		Natural	9.76 [248.0]	250	32.60 [830]			

UNIRAP™ Metal Detectable Type CMDT

These ties are perfect for use in consumable products such as food processing applications, beverage, pharmaceutical, and cosmetic industries. The metal detectable ties are an excellent choice and are US FDA food contact material compliant*.

*Metal detectable material complies with the compositional requirements of US FDA regulations for Direct Food Contact; 21 CFR 177.1500 and 21 CFR 184.1375. Customer is responsible for ensuring the setting on metal detectable machines is adjusted and monitored for wet or dry products or environments, ferrous and non ferrous metals, type of food/products, packaging material speed, and orientation of scanned product.



Catalog Number (100 per package)	Material	Color	Max Bundle Diameter In. [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches
CMDT18075C5	Nylon 6/6 Metal content blended throughout	Teal	.87 [22.2]	18	4.12 [104.7]	.09
CMDT40225C5			2.47 [60.3]	40	8.87 [225.4]	.14
CMDT50175C5			1.87 [47.6]	50	7.56 [192.0]	.18
CMDT50300C5			3.00 [77.7]	50	11.25 [285.7]	.18
CMDT50400C5			4.00 [101.6]	50	14.25 [361.9]	.18
CMDT120400C5			4.00 [101.6]	120	15.09 [383.3]	.30

UNIRAP™ Mounting Hole Cable Ties Type CT-MH

Bundling and mounting, one easy installation. Ideal for use where bundle needs to be secured, such as control panels and ceilings. Can be bundled before or after mounting.



Std Pkg Catalog Number	Color	Screw Size	Max Bundle Diameter In. [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)	Bulk Catalog Number
CT18075MH4C	Natural	#4	0.75 [19.1]	18	3.93 [100]	0.10 [3.0]	CTT50 MK9	2 Std.	CT18075MH4M
CT30125MH8C	Natural	#8	1.25 [31.8]	30	6.80 [173]	0.14 [4.0]	CTT50 MK9	2 Std.	CT30125MH8M
CT30125MH8M0*	UV Black								—
CT50175MH10C	Natural	#10	1.75 [44.5]	50	8.10 [206]	0.18 [5.0]	CTT50 MK9	3 Heavy	CT50175MH10M
CT50175MH10C0	UV Black								CT50175MH10M0
CT50400MH10C	Natural	#10	4.00 [101.6]	50	15.10 [384]	0.18 [5.0]	CTT50 MK9	3 Heavy	—
CT50400MH10C0	UV Black								CT50400MH10M0
CT120400MH14L	Natural	1/4"	4.00 [101.6]	120	15.70 [399]	0.30 [8.0]	MK9	Heavy	CT120400MH14D
CT120400MH14L0	UV Black								CT120400MH14D0

*Only available in Bulk Package of 1000 pieces.

UNIRAP™ Heat Stabilized Cable Ties Type CTHS

With similar properties and benefits as nylon 6/6, product manufactured with heat stabilized nylon 6/6 material have a chemical stabilizer added for higher continuous temperature applications. Range up to 225° F.

Features & Benefits

- Good fatigue resistance
- Resistant to chemicals
- Higher temperature range
- Meets the requirements of UL94V-2 flammability rating



Catalog Number	Material	Color	Max Bundle Diameter In. [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)
CTHS18075M	Nylon 6/6 Heat Stabilized	Natural	0.75 [19.1]	18	4.10 [104]	0.10 [2.5]	CTT50 MK9	2 Std.
CTHS40125M			1.25 [31.8]	40	5.75 [146]	0.14 [3.6]	CTT50 MK9	2 Std.
CTHS50300M			3.00 [76.2]	50	11.10 [282]	0.18 [4.6]	CTT50 MK9	3 Heavy
CTHS50400M			4.00 [101.6]	50	14.60 [371]			
CTHS50700M			1.88 [47.8]	50	7.60 [193]			
CTHS120400M			4.00 [101.6]	120	15.00 [381]	0.30 [7.6]	MK9	Heavy

UNIRAP™ Standard Cable Tie Mounting Bases Type CTB

BURNDY® offers a wide variety of mounting bases suited for many applications. Mounting bases are used in conjunction with cable ties to stabilize and secure wire bundles, both indoors and outdoors. Mounting bases can be secured to a surface using rubber based adhesive, acrylic adhesive, or also can be screw mounted.

The Rubber Adhesive has an operating temperature range from 14°F/-10°C to 140°F/60°C; Acrylic Adhesive has a temperature range of 14°F/-10°C to 176°F/80°C. When using the screw mounting option **ONLY** (not using any adhesive to secure the base) the product has a temperature range of -40°F/-40°C to 185°F/85°C.

These mounting bases are available to accommodate CT18 through CT50 series cable ties. Insertion of ties can be made from all sides. Each mount may be secured with screws, adhesive backing, or both, for ease of application and stability. For applications where higher temperatures, certain chemicals, or UV radiation are a concern and an adhesive is the preferred method for securing, the acrylic adhesive mounting bases are recommended.



Fig. #1



Fig. #2



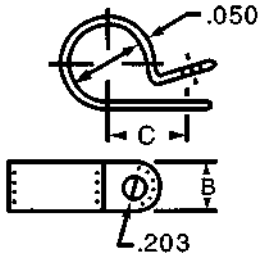
Fig. #3

Std Pkg Catalog Number	Mounting Method	Figure #	Color	Min Tensile Strength (lbs)	Max Tie Slot Width [mm]	Width Inches [mm]	Length Inches [mm]	Bulk Catalog Number
CTB075AAF1C	Acrylic Adhesive or #6 or #8 Screw	1	Natural	11	.17 [4.2]	0.75 [19]	0.75 [19]	CTB075AAF1M
CTB075AAF1C0	Acrylic Adhesive or #6 or #8 Screw	1	UV Black	11	.17 [4.2]	0.75 [19]	0.75 [19]	—
CTB075RAF1C	Rubber Adhesive or #6 or #8 Screw	1	Natural	11	.17 [4.2]	0.75 [19]	0.75 [19]	CTB075RAF1M
CTB075RAF1C0	Rubber Adhesive or #6 or #8 Screw	1	UV Black	11	.17 [4.2]	0.75 [19]	0.75 [19]	—
CTB075SF1C	#6 or #8 Screw Only	1	Natural	11	.17 [4.2]	0.75 [19]	0.75 [19]	CTB075SF1M
CTB100AAF2C	Acrylic Adhesive or #10 Screw	2	Natural	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	CTB100AAF2D
CTB100AAF2C0	Acrylic Adhesive or #10 Screw	2	UV Black	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	—
CTB100RAF2L	Rubber Adhesive or #10 Screw	2	Natural	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	CTB125RA4C
CTB100RAF2C0	Rubber Adhesive or #10 Screw	2	UV Black	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	—
CTB100SF2C	#6 or #8 Screw Only	2	Natural	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	—
CTB150AAF3C	Acrylic Adhesive or #10 Screw	3	Natural	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	CTB150AAF3D
CTB150RAF3C0	Rubber Adhesive or #10 Screw	3	UV Black	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	—
CTB150RAF3D	Rubber Adhesive or #10 Screw	3	Natural	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	—
CTB150SF3C	#10 Screw Only	3	Natural	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	—
CTB150RA4C	Rubber Adhesive or #10 Screw	3	Natural	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	—

UNIRAP™ Cable Hangers Type CH

Cable hangers provide a contact area range of 1/2" to 3/8" in width. All contact edges have a full radius for product protection, and sizes are clearly marked on each clamp.

Cable hangers are injection molded. Available in Natural and UV Black nylon 6/6.



Catalog Number	Mounting Screw	Color	Maximum Bundle Inches [mm]	Dimension B Width Inches [mm]	Dimension C (Mount Hole to Center) Inches [mm]	Bulk Catalog Number
CH2C	#6 - #8 Screw	Natural	0.12 [3.1]	0.38 [9.7]	0.33	CH2M
CH2C0	#6 - #8 Screw	UV Black				—
CH3C	#10 Screw	Natural	0.19 [4.8]		0.43	CH3M
CH3C0	#10 Screw	UV Black				—
CH4C	#10 Screw	Natural	0.25 [6.4]		0.41	CH4M
CH4C0	#10 Screw	UV Black				CH4M0
CH5C	#10 Screw	Natural	0.31 [7.9]		0.50	CH5M
CH5C0	#10 Screw	UV Black				—
CH6C	#10 Screw	Natural	0.38 [9.7]		0.60	CH6M
CH6C0	#10 Screw	UV Black				CH6M0
CH7C	#10 Screw	Natural	0.44 [11.2]		0.57	CH7M
CH7C0	#10 Screw	UV Black				—
CH8C	#10 Screw	Natural	0.50 [12.7]	0.61	CH8M	
CH8C0	#10 Screw	UV Black			—	
CH9C	#10 Screw	Natural	0.56 [14.2]	0.61	CH9M	
CH9C0	#10 Screw	UV Black			—	
CH10C	#10 Screw	Natural	0.62 [15.8]	0.61	CH10M	
CH10C0	#10 Screw	UV Black			CH10M0	
CH11C	#10 Screw	Natural	0.62 [15.8]	0.50 [12.7]	0.66	CH11M
CH12C	#10 Screw	Natural	0.75 [19.1]			0.78	CH12M
CH12C0	#10 Screw	UV Black			CH12M0	
CH14C	#10 Screw	Natural	0.88 [22.4]		0.85	CH14M
CH14C0	#10 Screw	UV Black				—
CH16C	#10 Screw	Natural	1.00 [25.4]		0.91	CH16M
CH18C	#10 Screw	Natural	1.12 [28.5]			0.97	CH18M
CH24L	#10 Screw	Natural	1.50 [38.1]		1.19	
CH24C0	#10 Screw	UV Black				—

UNIRAP™ Stainless Steel Barb Cable Ties Type CT-SSB

The Stainless Steel Barb cable ties (Type CT-SSB) are nylon 6/6 material featuring self-locking stainless steel barbs and oval low-profile head. There are no sharp edges helping prevent damaged cables. Type CT-SSB ties have a curved tip for faster initial threading and help speed installation. The no slip tail provides an easy grip during tensioning. Type CT-SSB ties are available in Natural and UV Black. These cable ties are cULus Listed for Wiring Positioning devices.

Features & Benefits

- Nylon 6/6 Standard
- Self-locking stainless steel barb
- Available in UV Black and Natural
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tail for easy installation
- Safe for air handling spaces
- Plenum Rated



Type 21

Standard Catalog Number	Color	Max Bundle Diameter In. [mm]	Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Installation Tool	Tool Setting	Bulk Catalog Number
CT18087SSBC	Natural	0.87 [22.0]	18	3.94 [100]	0.12 [3.0]	CTT50	1	CT18087SSBM
CT18087SSBC0	UV Black							CT18087SSBM0
CT18100SSBC	Natural	0.91 [23.1]		4.02 [102]	0.09 [2.0]			CT18100SSBM
CT18100SSBC0	UV Black							CT18100SSBM0
CT18200SSBC	Natural	2.01 [51.1]		7.91 [201]	0.09 [2.0]			CT18200SSBM
CT18200SSBC0	UV Black							CT18200SSBM0
CT40137SSBC	Natural	1.38 [35.1]	40	5.91 [150]	0.14 [3.0]	CTT50 MK9	2 Heavy	CT40137SSBM
CT40137SSBC0	UV Black							CT40137SSBM0
CT40200SSBC	Natural	1.97 [50.0]		7.87 [200]	0.15 [4.0]			CT40200SSBD
CT40200SSBC0	UV Black							CT40200SSBD0
CT40300SSBC	Natural	3.15 [80.0]		11.18 [284]	0.14 [3.0]			CT40300SSBD
CT40300SSBC0	UV Black							CT40300SSBD0
CT40400SSBC	Natural	4.09 [103.9]		14.49 [368]	0.14 [3.0]			CT40400SSBD
CT40400SSBC0	UV Black							CT40400SSBD0
CT50175SSBC	Natural	1.77 [45.0]	50	7.32 [186]	0.19 [5.0]	CTT50 MK9	4 Heavy	CT50175SSBD
CT50175SSBC0	UV Black							CT50175SSBD0
CT50200SSBC	Natural	1.97 [50.0]		7.87 [200]	0.24 [6.0]			CT50200SSBB
CT50200SSBC0	UV Black							CT50200SSBB0
CT50250SSBC	Natural	2.56 [65.0]		9.84 [250]	0.19 [5.0]			CT50250SSBB
CT50250SSBC0	UV Black							CT50250SSBB0
CT50300SSBC	Natural	3.19 [81.0]		11.61 [295]	0.19 [5.0]			CT50300SSBB
CT50300SSBC0	UV Black							CT50300SSBB0

UNIRAP™ Stainless Steel Barb Cable Ties Type CT-SSB (Continued)

Standard Catalog Number	Color	Max Bundle Diameter In. [mm]	Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Installation Tool	Tool Setting	Bulk Catalog Number	
CT50400SSBC	Natural	3.94	50	14.33	0.19	CTT50 MK9	4 Heavy	CT50400SSBB	
CT50400SSBC0	UV Black	[100.0]		[364]				[5.0]	CT50400SSBB0
CT50425SSBC	Natural	4.21		14.96				[380]	CT50425SSBB
CT50425SSBC0	UV Black	[106.9]							CT50425SSBB0
CT110200SSBC	Natural	2.01	110	8.70	0.28	MK9	Heavy	CT110200SSBB	
CT110200SSBC0	UV Black	[51.1]		[221]				[7.0]	CT110200SSBB0
CT110225SSBL	Natural	2.24		9.45	0.32			CT110225SSBC	
CT110225SSBL0	UV Black	[57.0]		[240]				[8.0]	CT110225SSBC0
CT110300SSBL	Natural	2.99		11.81	0.32			CT110300SSBC	
CT110300SSBL0	UV Black	[76.0]						[300]	[8.0]	CT110300SSBC0
CT110325SSBC	Natural	3.15		0.28	0.28			CT110325SSBB	
CT110325SSBC0	UV Black	[80.0]						[7.0]	[7.0]	CT110325SSBB0
CT110350SSBL	Natural	3.62		13.78	0.32			CT110350SSBC	
CT110350SSBL0	UV Black	[92.0]		[350]				[8.0]	CT110350SSBC0
CT110400SSBL	Natural	4.02		14.88	0.28			CT110400SSBC	
CT110400SSBL0	UV Black	[102.1]		[378]				[7.0]	CT110400SSBC0
CT110500SSBL	Natural	5.00		18.11				CT110500SSBC	
CT110500SSBL0	UV Black	[127.0]		[460]				CT110500SSBC0	
CT110600SSBL	Natural	5.98		21.18				CT110600SSBC	
CT110600SSBL0	UV Black	[151.9]		[538]				CT110600SSBC0	
CT110800SSBL	Natural	7.99	27.52	CT110800SSBC					
CT110800SSBL0	UV Black	[203.0]	[699]	CT110800SSBC0					
CT120300SSBL	Natural	3.15	120	11.81	0.39	MK9	Heavy	CT120300SSBC	
CT120300SSBL0	UV Black	[80.0]		[300]				[10.0]	CT120300SSBC0
CT120350SSBL	Natural	3.82		13.78				CT120350SSBC	
CT120350SSBL0	UV Black	[97.0]		[350]				CT120350SSBC0	
CT120400SSBL	Natural	4.33		15.75				CT120400SSBC	
CT120400SSBL0	UV Black	[110.0]		[400]				CT120400SSBC0	
CT120500SSBL	Natural	4.92		17.72				CT120500SSBC	
CT120500SSBL0	UV Black	[125.0]		[450]				CT120500SSBC0	

UNIRAP™ Universal Grade Cable Ties Type CT-UG

General purpose nylon 6/6 ties feature light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine, or iodine when burned. Nylon 6/6 is hygroscopic, and therefore, absorbs or releases moisture depending on its environment. The moisture level of the material will affect tensile strength, stiffness and elongation of the product.



Features & Benefits

- Nylon 6/6 Standard
- Available in UV Black and Natural
- One piece injection molded
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tail for easy installation
- Self-locking

Std Pkg Catalog Number	Color	Max. Bundle Dia. (in) [mm]	Min. Tensile Strength (lb)	Length inch [mm]	Width inch [mm]	Tool	Tool Setting (if applicable)	Bulk Pkg Catalog Number
Nylon UNIRAP - 18 Lb. Tensile Strength								
CT18075CUG	Natural	0.75 [19.1]	18	3.94 [101]	0.10 [2.5]	CTT50 MK9	2 Std.	CT18025MUG
CT18075C0UG	UV Black			CT18025M0UG				
—	Natural	2.00 [50.8]		7.95 [202]				CT18200MUG
CT18200C0UG	UV Black			CT18200M0UG				
Nylon UNIRAP - 30 Lb. Tensile Strength								
CT30125CUG	Natural	1.25 [31.8]	30	5.90 [150]	0.13 [3.3]	CTT50 MK9	2 Std.	CT30125MUG
CT30125C0UG	UV Black							—
Nylon UNIRAP - 40 Lb. Tensile Strength								
CT40200CUG	Natural	2.00 [50.8]	40	7.90 [201]	0.15 [3.8]	CTT50 MK9	3 Heavy	CT40200MUG
CT40400C0UG	UV Black	4.00 [101.6]		14.50 [368]				—
Nylon UNIRAP - 50 Lb. Tensile Strength								
CT50175CUG	Natural	1.75 [44.5]	50	7.83 [199]	0.18 [4.6]	CTT50 MK9	3 Heavy	CT50175MUG
CT50175C0UG	UV Black			CT50175M0UG				
CT50300CUG	Natural	3.00 [76.2]		11.34 [288]				CT50300MUG
CT50300C0UG	UV Black			CT50300M0UG				
CT50400CUG	Natural	4.00 [101.6]		14.60 [371]				CT50400MUG
CT50400C0UG	UV Black			—				

UNIRAP™ Universal Grade Cable Ties Type CT-UG (Continued)

Std Pkg Catalog Number	Color	Max. Bundle Dia. (in) [mm]	Min. Tensile Strength (lb)	Length inch [mm]	Width inch [mm]	Tool	Tool Setting (if applicable)	Bulk Pkg Catalog Number
Nylon UNIRAP - 120 Lb. Tensile Strength								
CT120200L0UG	UV Black	2.00 [50.8]	120	8.87 [225]	0.28 [7.1]	CTT50 MK9	3 Heavy	—
CT120400LUG	Natural	4.00 [101.6]		14.57 [370]				—
CT120400L0UG	UV Black			17.70 [450]				CT120400C0UG
CT120500CUG	Natural	5.00 [127.0]		29.75 [756]				—
CT120900LUG	Natural	9.00 [228.6]		—				
Nylon UNIRAP - 175 Lb. Tensile Strength								
CT175400Q0UG	UV Black	4.00 [101.6]	175	15.00 [381]	0.35 [8.9]	MK9	Heavy	—
CT175600QUG	Natural	6.00 [152.4]		21.00 [533]				—
CT175600Q0UG	UV Black			32.00 [813]				—
CT175900Q0UG	UV Black	9.00 [228.6]		36.00 [914]				—
CT1751100QUG	Natural	11.00 [279.4]		52.00 [1321]				—
CT1751100Q0UG	UV Black			—				
CT1751400QUG	Natural	14.00 [355.6]		—				
Nylon UNIRAP - 250 Lb. Tensile Strength								
CT250800Q0UG	UV Black	8.00 [203.2]	250	29.00 [737]	0.50 [12.7]	MK9	Heavy	—

UNIRAP™ Universal Grade Cable Ties with Mounting Hole; Type CT-MH-UG

The CT-MH-UG Cable Ties use the same material and have the same benefits of our CT-UG Cable Ties with the addition of a mounting hole. General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine or iodine when burned. Nylon 6/6 is hygroscopic, and therefore, absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness and elongation of the product.

Features & Benefits

- Nylon 6/6 Standard
- Available in UV Black and Natural
- One piece injection molded
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tail for easy installation
- Self-locking



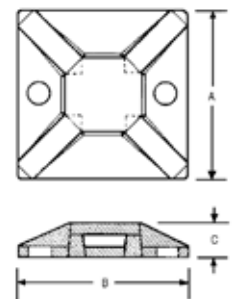
Std Pkg Catalog Number	Color	Screw Size	Max Bundle Diameter Inches [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Installation Tool	Tool Setting
CT50175MH10CUG	Natural	#10	1.75 [44.5]	50	7.79 [198]	0.18 [4.6]	CTT50 MK9	3 Std.
CT50175MH10C0UG	UV Black			50				
CT50300MH10CUG	Natural		3.00 [76.2]	50	11.73 [298]			
CT50300MH10C0UG	UV Black			50				

UNIRAP™ Universal Grade Cable Tie Mounting Bases; Type CTB-UG

These cable tie mounting bases may be secured with 2 screws and/or a rubber-based adhesive for ease of applications and stability. These bases are suited for many applications to stabilize and secure wire bundles, both indoors and outdoors.

Features & Benefits

- Nylon 6/6 Standard
- Chemically resistant to solvents, oils, grease, and diluted acids



Std Pkg Catalog Number	Mounting Method	Max Tie Slot Width [mm]	Dimension A [mm]	Dimension B [mm]	Dimension C [mm]	Bulk Catalog Number
CTB075RA4CUG	Rubber Adhesive	0.14 [3.56]	0.75 [19.0]	0.75 [19.0]	0.15 [3.8]	—
CTB125RA4CUG	Rubber Adhesive	0.20 [5.08]	1.125 [28.6]	1.125 [28.6]	0.19 [4.8]	CTB125RA4DUG

UNIRAP™ Cable Tie Variety Canister Type CTASST

There are times when a variety of lengths and color would be helpful. The Type CTASST Cable Tie Variety Canister is perfect when your needs change.



Catalog Number	Contains						Installation Tool	Tool Setting
	Quantity	Color	Max Bundle Diameter	Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]		
CTASST	100	Natural	0.75 [19.1]	18	3.94 [100]	0.10 [2.5]	CTT50	2
	100	UV Black						
	200	Natural	1.75 [44.5]	50	7.99 [203]	0.13 [3.2]	CTT50	3
	100	UV Black						
	50	Natural	3.00 [76.2]	50	11.02 [280]	0.19 [4.8]		
	50	UV Black						

UNIRAP™ Nylon 12 Cable Ties Type CTNT



CABLE TIE
33TX

Nylon 12 cable ties provide excellent UV, chemical and moisture resistance. The ties feature inside serrations and a bent tail for quick and easy installation. Manufactured from polyamide 12 the ties also have a smooth edge to prevent bundle damage. Especially suitable in high moisture, corrosive (zinc chloride and dilute acids) environments or where low temperatures are a factor. Indoor or outdoor applications.



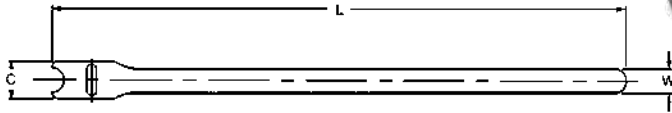
Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling	Bulk Pkg Catalog Number
				in [mm]	in [mm]	Tool	
CTNT50200C0	UV Black	2.00 [50]	50	7.50 [190]	0.19 [4.8]	CTT50	CTNT50200D0
CTNT50275C0	UV Black	2.75 [70]		11.00 [280]			CTNT50275D0
CTNT50350C0	UV Black	3.50 [90]		13.78 [350]			CTNT50350D0
CTNT50400C0	UV Black	4.00 [102]		15.00 [380]			CTNT50400D0
CTNT50500C0	UV Black	5.12 [130]		18.10 [460]			CTNT50500D0
CTNT50575C0	UV Black	5.90 [150]		19.69 [500]			CTNT50575D0
CTNT50650C0	UV Black	6.70 [170]		23.62 [600]			CTNT50650D0
CTNT50725C0	UV Black	7.30 [185]		25.60 [650]			CTNT50725D0
CTNT50750C0	UV Black	7.50 [190]		27.60 [700]			CTNT50750D0

VELCRO® Hook and Loop Straps Type TFV-B

Reusable and flexible, hook and loop straps are a unique self-gripping fastening system. These ties are specifically used on fiberoptic applications.

The TFV-V2 flame retardant straps are UL Listed Wire Positioning Devices (ZODZ), UL94-V2 rated for use in air handling spaces in accordance with the NEC Section 300-22(c) and (d). Perfect for plenum areas.

25 straps are conveniently packaged in each polybag.



Catalog Number	Product Description	Max Bundle Diameter [mm]	C [mm]	L [mm]	W [mm]	T	Avg. Sheer (PSI)	Avg. Peel (PIW)	Pkg. Qty.
TFV3B12V2	VELCRO® hook and loop strap, 3/4" x 12", Black, 25pk	3.00 [76.2]	0.75 [19.1]	12.00 [305]	0.50 [.27]	0.09	29	0.60	1 package = 25 ties
TFV3B18V2	VELCRO® hook and loop strap, 3/4" x 18", Black, 25pk	5.00 [127.0]		18.00 [457]			29	0.60	
TFV3B6V2	VELCRO® hook and loop strap, 3/4" x 6", Black, 25pk	1.00 [25.4]		6.00 [152]			29	0.60	
TFV3BLU12	VELCRO® hook and loop strap, 3/4" x 12", Royal Blue, 25pk	3.00 [76.2]		12.00 [305]			23	0.50	
TFV3BLU18	VELCRO® hook and loop strap, 3/4" x 18", Royal Blue, 25pk	5.00 [127.0]		18.00 [457]			23	0.50	

TEFZEL® Cable Ties Type CTZ

TEFZEL® Fluoropolymer ties feature a low smoke density with excellent flammability rating (UL 94V-0) and tolerates extreme high and low temperatures. TEFZEL® ties come in distinctive aqua blue color with an operating temperature of Min. -112°F (-80°C), Max. 338°F (170°C).

TEFZEL® is a Registered trademark of E.I. du Pont de Nemours and Company.



Catalog Number	Tensile	Max Bundle Diameter	Length	Pkg Qty
CTZ18075C6	18 lb	.87"	4.00"	100
CTZ18125C6	18 lb	1.39"	6.25"	100
CTZ30200C6	30 lb	2.00"	4.00"	100
CTZ50175C6	50 lb	1.75"	7.75"	100
CTZ50300C6	50 lb	3.00"	11.00"	100
CTZ50400C6	50 lb	4.00"	14.50"	100
CTZ100300C6	100 lb	3.00"	11.00"	50
CTZ100400C6	100 lb	4.00"	14.50"	50

UNIRAP™ Grade 304 Stainless Steel; Uncoated Type CTSS

BURNDY® 304 Stainless Steel ties are designed to secure hoses, cables, poles, pipes, and more when harsh environmental conditions may adversely affect the bundling application.

Used where corrosion, vibration, weathering, radiation, and temperature extremes are a concern. BURNDY® Stainless Steel ties can be used in virtually any indoor, outdoor, and underground application.

These Stainless Steel ties are made from Grade 304 Stainless Steel. Designed with a low profile clamping bearing head with fully adjustable strap accommodating many bundle diameters.



Features & Benefits

- Meet ABS Requirements
- 304 Grade Stainless Steel
- Suitable for general purpose applications
- Smooth, rounded edges help ensure safe, efficient handling
- Available in a variety of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical

Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS225100304C	304 SS	0.99 [25.2]	225	3.94 [100]	0.18 [4.6]	CTTSS900
CTSS225200304C		1.97 [50.0]		7.87 [200]		
CTSS225300304C		3.00 [76.2]		11.81 [300]		
CTSS225400304C		4.02 [102.1]		15.75 [400]		
CTSS225500304C		5.04 [128.0]		19.68 [500]		
CTSS225600304C		6.07 [154.2]		23.62 [600]		
CTSS500200304L	304 SS	1.97 [50.0]	500	7.87 [200]	0.31 [7.9]	CTTSS900
CTSS500300304L		3.00 [76.2]		11.81 [300]		
CTSS500400304L		4.02 [102.1]		15.75 [400]		
CTSS500500304L		5.04 [128.0]		19.68 [500]		
CTSS500600304L		6.07 [154.2]		23.62 [600]		
CTSS500700304L		7.09 [180.1]		27.56 [700]		
CTSS500750304L		7.60 [193.0]		31.50 [800]		
CTSS500800304L		8.12 [206.3]		39.37 [1000]		
CTSS700200304L	304 SS	1.97 [50.0]	700	7.87 [200]	0.50 [12.7]	CTTSS900
CTSS700300304L		3.00 [76.2]		11.81 [300]		
CTSS700400304L		4.02 [102.1]		15.75 [400]		
CTSS700500304L		5.04 [128.0]		19.68 [500]		
CTSS700600304L		6.07 [154.2]		23.62 [600]		
CTSS700700304L		7.09 [180.1]		27.56 [700]		
CTSS700800304L		8.12 [206.3]		39.37 [1000]		
CTSS900200304L	304 SS	1.97 [50.0]	920	7.87 [200]	0.62 [15.9]	CTTSS900
CTSS900300304L		3.00 [76.2]		11.81 [300]		
CTSS900400304L		4.02 [102.1]		15.75 [400]		
CTSS900500304L		5.04 [128.0]		19.68 [500]		
CTSS900600304L		6.07 [154.2]		23.62 [600]		
CTSS900700304L		7.09 [180.1]		27.56 [700]		
CTSS900800304L		8.12 [206.3]		39.37 [1000]		

UNIRAP™ Grade 304 Stainless Steel; Partially Coated; Type CTSS-PC

BURNDY® Stainless Steel Partially Coated cable ties (Type CTSS-PC) are designed with a steel ball self-locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offer a reliable and lasting bundling solution. CTSS-PC ties are currently available in black. BURNDY® Stainless Steel Partially Coated Cable Ties can be used in any indoor, outdoor, or underground application.



Features & Benefits

- Meet ABS Requirements
- 304 Grade Stainless Steel
- Available in Black only
- Suitable for general purpose applications
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating

Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS250200PC304L	304 SS	1.97 [50.0]	270	7.87 [200]	0.31 [7.9]	CTTSS900
CTSS250300PC304L		3.00 [76.2]		11.81 [300]		
CTSS250400PC304L		4.02 [102.1]		15.75 [400]		
CTSS250500PC304L		5.04 [128.0]		19.68 [500]		
CTSS250600PC304L		6.06 [153.9]		23.62 [600]		
CTSS250700PC304L		7.09 [180.1]		27.56 [700]		
CTSS250800PC304L		8.11 [206.0]		39.37 [1000]		
CTSS450200PC304L	304 SS	1.97 [50.0]	450	7.87 [200]	0.50 [12.7]	CTTSS900
CTSS450300PC304L		3.00 [76.2]		11.81 [300]		
CTSS450400PC304L		4.02 [102.1]		15.75 [400]		
CTSS450500PC304L		5.04 [128.0]		19.68 [500]		
CTSS450600PC304L		6.06 [153.9]		23.62 [600]		
CTSS450700PC304L		7.09 [180.1]		27.56 [700]		
CTSS450800PC304L		8.11 [206.0]		39.37 [1000]		
CTSS675200PC304Q	304 SS	1.97 [50.0]	675	7.87 [200]	0.62 [15.9]	CTTSS900
CTSS675300PC304Q		3.00 [76.2]		11.81 [300]		
CTSS675400PC304Q		4.02 [102.1]		15.75 [400]		
CTSS675500PC304Q		5.04 [128.0]		19.68 [500]		
CTSS675600PC304Q		6.06 [153.9]		23.62 [600]		
CTSS675700PC304Q		7.09 [180.1]		27.56 [700]		
CTSS675800PC304Q		8.11 [206.0]		39.37 [1000]		

UNIRAP™ Grade 304 Stainless Steel; Fully Coated; Type CTSS-FC

The Stainless Steel Fully Coated cable ties (Type CTSS-FC) are designed with a steel ball type locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offers a reliable and lasting bundling solution. Type CTSS-FC ties are currently available only in black. BURNDY® stainless steel fully coated cable ties can be used in any indoor, outdoor, or underground applicaiton.

Features & Benefits

- Meet ABS Requirements
- 304 Grade Stainless Steel
- Available in Black only
- Suitable for general purpose applications
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating



Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS100100FC304C	304 SS	0.98 [24.9]	160	3.94 [100]	0.18 [4.6]	CTTSS900
CTSS100200FC304C		1.97 [50.0]		7.87 [200]		
CTSS100300FC304C		3.00 [76.2]		11.81 [300]		
CTSS100400FC304C		4.02 [102.1]		15.75 [400]		
CTSS100500FC304C		5.04 [128.0]		19.68 [500]		
CTSS100600FC304C		6.07 [154.2]		23.62 [600]		
CTSS100800FC304C		8.11 [206.0]		31.50 [800]		
CTSS250200FC304L	304 SS	1.97 [50.0]	250	7.87 [200]	0.31 [7.9]	CTTSS900
CTSS250300FC304L		3.00 [76.2]		11.81 [300]		
CTSS250400FC304L		4.02 [102.1]		15.75 [400]		
CTSS250500FC304L		5.04 [128.0]		19.68 [500]		
CTSS250600FC304L		6.06 [153.9]		23.62 [600]		
CTSS250700FC304L		7.09 [180.1]		27.56 [700]		
CTSS250800FC304L		8.11 [206.0]		39.37 [1000]		
CTSS450200FC304L	304 SS	1.97 [50.0]	450	7.87 [200]	0.50 [12.7]	CTTSS900
CTSS450300FC304L		3.00 [76.2]		11.81 [300]		
CTSS450400FC304L		4.02 [102.1]		15.75 [400]		
CTSS450500FC304L		5.04 [128.0]		19.68 [500]		
CTSS450600FC304L		6.06 [153.9]		23.62 [600]		
CTSS450700FC304L		7.09 [180.1]		27.56 [700]		
CTSS450800FC304L		8.11 [206.0]		39.37 [1000]		
CTSS675200FC304Q	304 SS	1.97 [50.0]	675	7.87 [200]	0.62 [15.9]	CTTSS900
CTSS675300FC304Q		3.00 [76.2]		11.81 [300]		
CTSS675400FC304Q		4.02 [102.1]		15.75 [400]		
CTSS675500FC304Q		5.04 [128.0]		19.68 [500]		
CTSS675600FC304Q		6.06 [153.9]		23.62 [600]		
CTSS675700FC304Q		7.09 [180.1]		27.56 [700]		
CTSS675800FC304Q		8.11 [206.0]		39.37 [1000]		

UNIRAP™ Grade 316 Stainless Steel; Uncoated Type CTSS

BURNDY® Stainless Steel ties (Type CTSS) are designed to secure hoses, cables, poles, pipes, and more when harsh environmental conditions may adversely affect the bundling application. Used where corrosion, vibration, weathering, radiation, and temperature extremes are a concern, BURNDY® Stainless Steel ties can be used in virtually any indoor, outdoor, and underground application.

BURNDY® Stainless Steel ties are made from Grade 316 Stainless Steel. This tie is designed with a low profile clamping bearing head with fully adjustable strap accommodating many bundle diameters.



Features & Benefits

- Meet ABS Requirements
- 316 Grade Stainless Steel
- Suitable for rigorous corrosive conditions
- Smooth, rounded edges help ensure safe, efficient handling
- Available in a variety of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical

Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS225100316C	316 SS	0.99 [24.9]	225	3.94 [100]	0.18 [4.6]	CTSS900
CTSS225200316C		1.97 [50.0]		7.87 [200]		
CTSS225300316C		3.00 [76.2]		11.81 [300]		
CTSS225400316C		4.02 [102.1]		15.75 [400]		
CTSS225500316C		5.04 [128.0]		19.68 [500]		
CTSS225600316C		6.07 [154.2]		23.62 [600]		
CTSS500200316C	316 SS	1.97 [50.0]	500	7.87 [200]	0.31 [7.9]	CTSS900
CTSS500300316C		3.00 [76.2]		11.81 [300]		
CTSS500400316L		4.02 [102.1]		15.75 [400]		
CTSS500500316L		5.04 [128.0]		19.68 [500]		
CTSS500600316L		6.07 [154.2]		23.62 [600]		
CTSS500700316L		7.09 [180.1]		27.56 [700]		
CTSS500750316L		7.60 [193.0]		31.50 [800]		
CTSS500800316L		8.12 [206.3]		39.37 [1000]		
CTSS700200316L	316 SS	1.97 [50.0]	700	7.87 [200]	0.50 [12.7]	CTSS900
CTSS700300316L		3.00 [76.2]		11.81 [300]		
CTSS700400316L		4.02 [102.1]		15.75 [400]		
CTSS700500316L		5.04 [128.0]		19.68 [500]		
CTSS700600316L		6.07 [154.2]		23.62 [600]		
CTSS700700316L		7.09 [180.1]		27.56 [700]		
CTSS700800316L		8.12 [206.3]		39.37 [1000]		
CTSS900200316L	316 SS	1.97 [50.0]	920	7.87 [200]	0.62 [15.9]	CTSS900
CTSS900300316L		3.00 [76.2]		11.81 [300]		
CTSS900400316L		4.02 [102.1]		15.75 [400]		
CTSS900500316L		5.04 [128.0]		19.68 [500]		
CTSS900600316L		6.07 [154.2]		23.62 [600]		
CTSS900700316L		7.09 [180.1]		27.56 [700]		
CTSS900800316L		8.12 [206.3]		39.37 [1000]		

UNIRAP™ Grade 316 Stainless Steel; Partially Coated; Type CTSS-PC

BURNDY® Stainless Steel Partially Coated cable ties (Type CTSS-PC) are designed with a steel ball self-locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offer a reliable and lasting bundling solution. CTSS-PC ties are currently available in black. BURNDY® Stainless Steel Partially Coated Cable Ties can be used in any indoor, outdoor, or underground application.



Features & Benefits

- Meet ABS Requirements
- 316 Grade Stainless Steel
- Available in Black only
- Suitable for rigorous corrosive conditions
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating

Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS250200PC316L	316 SS	1.97 [50.0]	270	7.87 [200]	0.31 [7.9]	CTSS900
CTSS250300PC316L		3.00 [76.2]		11.81 [300]		
CTSS250400PC316L		4.02 [102.1]		15.75 [400]		
CTSS250500PC316L		5.04 [128.0]		19.68 [500]		
CTSS250600PC316L		6.06 [153.9]		23.62 [600]		
CTSS250700PC316L		7.09 [180.1]		27.56 [700]		
CTSS250800PC316L		8.11 [206.0]		39.37 [1000]		
CTSS450200PC316L	316 SS	1.97 [50.0]	450	7.87 [200]	0.50 [12.7]	CTSS900
CTSS450300PC316L		3.00 [76.2]		11.81 [300]		
CTSS450400PC316L		4.02 [102.1]		15.75 [400]		
CTSS450500PC316L		5.04 [128.0]		19.68 [500]		
CTSS450600PC316L		6.06 [153.9]		23.62 [600]		
CTSS450700PC316L		7.09 [180.1]		27.56 [700]		
CTSS450800PC316L		8.11 [206.0]		39.37 [1000]		
CTSS675200PC316Q	316 SS	1.97 [50.0]	675	7.87 [200]	0.62 [15.9]	CTSS900
CTSS675300PC316Q		3.00 [76.2]		11.81 [300]		
CTSS675400PC316Q		4.02 [102.1]		15.75 [400]		
CTSS675500PC316Q		5.04 [128.0]		19.68 [500]		
CTSS675600PC316Q		6.06 [153.9]		23.62 [600]		
CTSS675700PC316Q		7.09 [180.1]		27.56 [700]		
CTSS675800PC316Q		8.11 [206.0]		39.37 [1000]		

UNIRAP™ Grade 316 Stainless Steel; Fully Coated; Type CTSS-FC

The Stainless Steel Fully Coated cable ties (Type CTSS-FC) are designed with a steel ball type locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offers a reliable and lasting bundling solution. Type CTSS-FC ties are currently available only in black. BURNDY® stainless steel fully coated cable ties can be used in any indoor, outdoor, or underground applicaiton.

Features & Benefits

- Meet ABS Requirements
- 316 Grade Stainless Steel
- Available in Black only
- Suitable for rigorous corrosive conditions
- Smooth, rounded edges help ensure safe efficient handling
- Available in a wide range of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical



Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches	Width Inches	Installation Tool
CTSS100100FC316C	316 SS	0.98 [24.9]	160	3.94 [100]	0.18 [4.6]	CTSS900
CTSS100200FC316C		1.97 [50.0]		7.87 [200]		
CTSS100300FC316C		3.00 [76.2]		11.81 [300]		
CTSS100400FC316C		4.02 [102.1]		15.75 [400]		
CTSS100500FC316C		5.04 [128.0]		19.68 [500]		
CTSS100600FC316C		6.07 [154.2]		23.60 [600]		
CTSS100800FC316C		8.11 [206.0]		31.50 [800]		
CTSS250200FC316L	316 SS	1.97 [50.0]	250	7.87 [200]	0.31 [7.9]	CTSS900
CTSS250300FC316L		3.00 [76.2]		11.81 [300]		
CTSS250400FC316L		4.02 [102.1]		15.75 [400]		
CTSS250500FC316L		5.04 [128.0]		19.68 [500]		
CTSS250600FC316L		6.06 [153.9]		23.62 [600]		
CTSS250700FC316L		7.09 [180.1]		27.56 [700]		
CTSS250800FC316L		8.11 [206.0]		39.37 [1000]		
CTSS450200FC316L	316 SS	1.97 [50.0]	450	7.87 [200]	0.50 [12.7]	CTSS900
CTSS450300FC316L		3.00 [76.2]		11.81 [300]		
CTSS450400FC316L		4.02 [102.1]		15.75 [400]		
CTSS450500FC316L		5.04 [128.0]		19.68 [500]		
CTSS450600FC316L		6.06 [153.9]		23.62 [600]		
CTSS450700FC316L		7.09 [180.1]		27.56 [700]		
CTSS450800FC316L		8.11 [206.0]		39.37 [1000]		
CTSS675200FC316Q	316 SS	1.97 [50.0]	675	7.87 [200]	0.62 [15.9]	CTSS900
CTSS675300FC316Q		3.00 [76.2]		11.81 [300]		
CTSS675400FC316Q		4.02 [102.1]		15.75 [400]		
CTSS675500FC316Q		5.04 [128.0]		19.68 [500]		
CTSS675600FC316Q		6.06 [153.9]		23.62 [600]		
CTSS675700FC316Q		7.09 [180.1]		27.56 [700]		
CTSS675800FC316Q		8.11 [206.0]		39.37 [1000]		

Wiley Bundle Straps

High-quality wire management solutions

The Wiley Bundle Strap is made of corrosion resistant 304 stainless steel, which makes for a durable, long lasting and reliable solution for all environments. The vinyl jacket covering the stainless steel wire is designed to protect cable insulation from damage. The Wiley Bundle Strap is easy to install and can be crimped in the field with electrician linesman pliers or standard wire cutters. The crimp sleeve's retention feature allows for a quick, effortless, secure installation. Custom lengths available upon request.

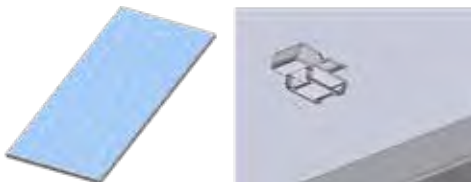
Features and Benefits:

- UL 62275 Listed
- High quality, long-lasting, labor saving, wire management solution
- UV rated vinyl jacketed stainless steel wire with 304 stainless steel crimp
- Vinyl jacket designed to protect cable insulation from damage
- 304 stainless steel crimp sleeve allows for quick and easy installation
- Can be crimped in the field with electrician linesman pliers or standard wire cutters
- Retention feature allows for a quick, effortless, secure installation
- Lasts for the lifetime of the PV system
- RoHS compliant
- Custom lengths available upon request



ACC-FBC shown with WBS8V

Installing the ACC-FBC with WBS or UNIRAP™ cable tie



The ACC-FBC mounting base slides onto the module flange



Route a WBS or UNIRAP™ through the ACC-FBC mounting base



Secure desired cables by tightening the WBS or UNIRAP™

Wiley Bundle Straps

304 Stainless Steel wire covered with vinyl jacket helps protect cable insulation from damage

Catalog Number	Length inch [mm]	Diameter inch [mm]	Max. Tensile Strength	Max. Bundle Diameter inch [mm]	Material
WBS8V	8.00 [203.20]	0.06 [1.50]	100 lbs.	2.30 [58.40]	Vinyl Insulated 304 Stainless Steel Wire
WBS10V	10.00 [254.00]	0.06 [1.50]	100 lbs.	2.92 [74.00]	
WBS12V	12.00 [304.80]	0.06 [1.50]	100 lbs.	3.88 [98.50]	
WBS14V	14.00 [356.00]	0.06 [1.50]	100 lbs.	4.20 [106.70]	
WBS20V	20.00 [508.00]	0.06 [1.50]	100 lbs.	6.36 [161.50]	
WBS24V	24.00 [609.60]	0.06 [1.50]	100 lbs.	7.00 [178.00]	
WBS30V	30.00 [762.00]	0.06 [1.50]	100 lbs.	8.75 [222.00]	
WBS36V	36.00 [914.40]	0.06 [1.50]	100 lbs.	11.00 [279.40]	

Mounting Platform for WBS Bundle Straps or UNIRAP™ Cable Ties

304 Stainless Steel cable clip used for affixing cable ties to a module flange or similar flange.

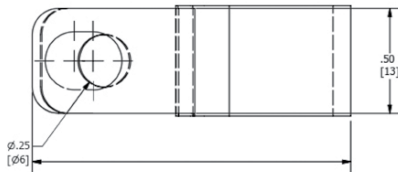
Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Max. Cable Tie Width inch [mm]	Frame Thickness
ACC-FBC	0.55 [14.00]	0.48 [12.20]	0.27 [7.00]	0.31 [8.00]	1.3mm to 2.5mm

Wiley Coated Wire Management Coated Straps, Coated P-Clips

Wiley coated products are a durable, long lasting and reliable solution for protecting wires and cables. The vinyl coating acts as a shield against vibration and cable insulation damage. Wiley coated P-Clips easily install into a mounting hole with 1/4" hardware. Wiley coated straps are the perfect reusable, long lasting alternative to a cable tie solution. These products are great for general wire fastening applications, such as holding hydraulic hoses, wire harnesses, cables, and everyday solar wire management. Indoor/Outdoor rated and UV resistant.



Wiley Coated Straps					
<i>Vinyl coated steel straps protect cables from vibration and insulation damage</i>					
Catalog Number	Length inch [mm]	Diameter inch [mm]	Max. Bundle Diameter inch [mm]	Material	UL
WIS8-2	7.87 [200.0]	0.24 [6.0]	2.00 [50.8]	PVC coated steel	UL 62275 Listed
WIS12-3	11.80 [300.0]	0.24 [6.0]	3.00 [76.2]		



Wiley Coated P-Clips				
<i>Vinyl coated steel p-clips protect cables from vibration and insulation damage</i>				
Catalog Number	Width inch [mm]	Max. Bundle Diameter inch [mm]	Material	UL
WIPC14-14	0.24 [6.0]	0.25 [6.4]	PVC coated zinc plated steel	UL 1565 Listed
WIPC14-12	0.24 [6.0]	0.50 [13.0]		
WIPC14-34	0.24 [6.0]	0.75 [19.0]		
WIPC14-1	0.24 [6.0]	1.00 [25.4]		
WIPC14-112	0.24 [6.0]	1.50 [38.0]		



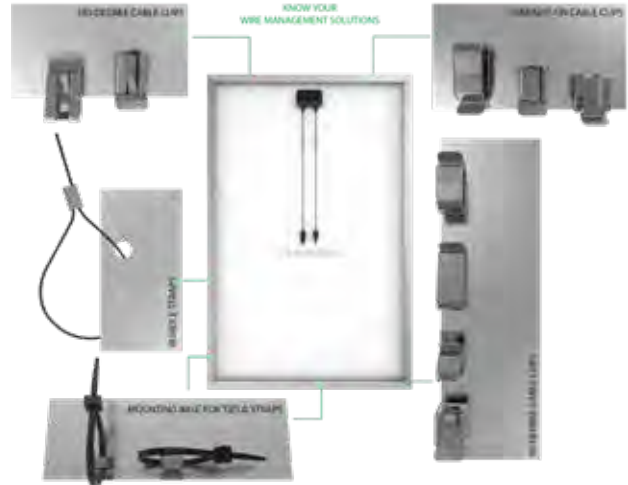
Wiley Cable Clips



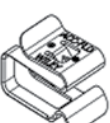

High-quality wire management solutions

Engineered for high-quality wire management solutions, Wiley Cable Clips simplify wire management and create a cleaner aesthetic to solar PV arrays. The clips are made of corrosion resistant stainless steel, which makes for a durable, long lasting and reliable solution in all environments and are designed with coined and rolled edges to prevent damage to cable insulation. The designs are easy to install and remove with a flat head screwdriver. The clips can be used in a wide variety of mounting configurations (including 90 and 180 degrees) for module and rail applications. Custom designs are available upon request.













Features and Benefits:

- UL 1565 Listed
- Accommodates a broad range of cable combinations and sizes (e.g., USE-2, PV, AC module, and micro inverter cables)
- Environmentally tested - UL 2703 and ASTM B117
- No tools required for installation
- Coined and rolled edges to prevent damage to cable insulation
- Reliability for use throughout the lifetime of the PV system



Module Clips				
304 Stainless Steel cable clips that install on the module frame				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC	1 to 2 USE-2 wires or 1 PV wire	Max. 0.216 [5.50]	1.3 - 2.5mm
	ACC-PV	1 to 2 PV wires	Max. 0.275 [7.00]	1.3 - 2.5mm
	ACC-FLD	1 to 2 PV wires	Max. 0.275 [7.00]	1.3 - 2.5mm
	ACC-FPV	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3mm

Wiley Cable Clips (Continued)

90 Degree Module Clips				
304 Stainless Steel cable clips that install parallel or perpendicular on the module frame				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC-F90-1	1 to 2 USE-2 wires or 1 to 2 PV wire	Max. 0.29 [7.50]	1.3 - 2.5mm
	ACC-FPV90	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F2-90	1 to 2 Micro Inverter Trunk or AC cables	1 wire: Max. 0.55 [14.00] 2 wires Max. 0.43 [11.00]	1.3 - 2.5mm
	ACC-F4-90-1	1 to 4 PV wires	Max. 0.29 [7.50]	1.3 - 2.5mm
	ACC-F490	1 to 4 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F4F	1 to 4 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F1-270	2 PV wire or 1 Micro Inverter Trunk	Max. 0.55 [14.00]	1.0 - 3.0mm
180 Degree Rail Clips				
304 Stainless Steel cable clips that install on the flange at 180 degrees				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC-FPV180	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F1-270	1 to 2 PV wires or 1 Micro Inverter Trunk	Max. 0.55 [14.00]	1.0 - 3.0mm
Rail Clips				
304 Stainless Steel cable clips that install on the rail, channel, or slot				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Rail Type
	ACC-R2	1 to 2 Micro Inverter Trunk or AC cables	1 wire: Max. 0.55 [14.00] 2 wires Max. 0.43 [11.00]	Unirac, Ironrige or Similar Style
	ACC-R4	1 to 4 PV wires	Max. 0.29 [7.50]	Unirac, Ironrige or Similar Style
	ACC-RBC15	2 Micro Inverter Trunk or up to 4 PV wires	Max. 0.55 [14.00]	Rail Channel or Slot Width: 6.35mm to 13.5mm



ACC-F90-1 shown in both orientations



ACC-F1-270



ACC-FPV180



ACC-RBC15 shown

Cable Tie Tools Types CTT, CTSS

Ergonomics and the prevention of repetitive motion injuries, coupled with the need to continually improve assembly efficiencies and procedures, are a major concern with most cable tie users. BURNDY® cable tie tools effectively address both issues. BURNDY® has world class cable tie tools to complement its line of quality cable ties. These tools are truly state-of-the-art both in design and performance.

BURNDY® tools make it easier for operators to install cable ties, while maintaining correct tension and flush cut-off. Worker safety is further enhanced as the tools can eliminate the sharp edges of a cut-off cable tie.



A

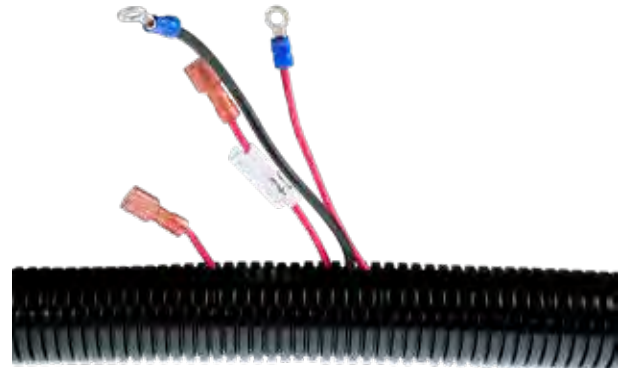


B

Catalog Number	Ref. Figure	Description	For Use On
CTT50	A	Adjustable Tensioning Tool for Width 0.10" to 0.19"	Nylon up to 50 lbs
CTTSS900	B	Stainless Steel Tie Tool	SS Ties up to 900 lbs

Split Loom Tubing Type LOOM

Split loom is ideal for applications where braided tubing or spiral wrap may be difficult to install. Tubing provides full coverage where spiral wrap or other coverings may not be suitable. In harsh applications the tubing provides resistance to crushing, impact, and abrasion. Split loom tubing, made of polyethylene, offers excellent protection against automotive fluids, vibration wear, water, snow, ice, and the effects of heat, cold, and sunlight on cables and wires.



Catalog Number	Diameter	Length
LOOM75	3/4"	328 feet
LOOM100	1"	164 feet
LOOM150	1-1/2"	164 feet
LOOM200	2"	82 feet

145PTAG

94V0 Rated Nylon Tag

Designed originally for the telecom market, this tag is applicable anywhere the need to mark tags in the field exists. Typically secured to cabling using a multi-ply cord or cable tie, or waxed cord. The tags may be written on in most inks or using a permanent marker. Durable, flame retardant, white nylon tag 94V0 rated.

Dimensions: 1" x 1-3/4"
Catalog Number: 145PTAG

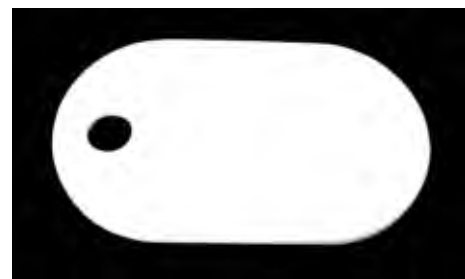


Table of Contents

Tap Connectors

Mechanical (Bolted)H-3 - H-20

Compression.....H-21 - H-40

Transformer and Equipment.....H-41 - H-43



Compression Splices

Service EntranceH-46 - H-48

NeutralH-49

Jumper.....H-50 - H-54

Repair Sleeve.....H-55

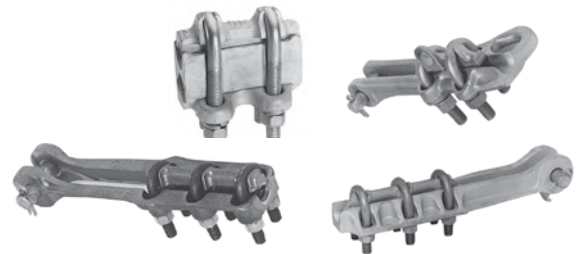
Full Tension.....H-56 - H-70



Deadend Fitting and Accessories

LoopH-72 - H-73

Primary and Strain Bus.....H-74 - H-75



Compression Terminals and Accessories.....H-77 - H-82

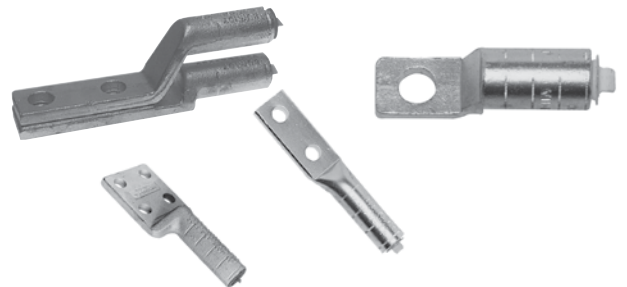


Table of Contents

Tap Connectors

Mechanical (Bolted)	H-3 - H-20
Types KS, KS-3.....	H-4
Type SC.....	H-5
Type KSU.....	H-5
Type KVS.....	H-6
Type KVSW.....	H-6
Type KVSU.....	H-7
Type KVS-A.....	H-8
Type VG.....	H-9
Type UC-L.....	H-10
Type UCK-UL.....	H-10
Type CP-A.....	H-11
Type VP.....	H-12
Type UW-R.....	H-12
Type UC.....	H-13
Type CP.....	H-13
Type QPX.....	H-14
Type VT.....	H-15
Types UCG-R, UCG-RS.....	H-16
Types UC-R, UC-RS.....	H-16
Type UCT.....	H-17
Type UCT for Copper.....	H-18
Type UC--KIT.....	H-19
Type UC-COVER.....	H-19
Type UCTCOVER.....	H-19
Type LSC.....	H-20
Compression	H-21 - H-40
Compression Tap Connectors.....	H-21
Type YC-C.....	H-22
Type YP-C.....	H-22
Type YC-A.....	H-23
Type YP-U.....	H-24
Type YPC-U.....	H-25
Type YC-U.....	H-26
Types YPC-A-U, YPC-R-U.....	H-26
Type CC.....	H-27
Seven Connector Selector Chart	H-28
Types YHO, YHD.....	H-29
Types YHN, YHR.....	H-30
LOKTAP™.....	H-31
Type YCT.....	H-32
Type YOT.....	H-32
Type YTU-R-R.....	H-33
Type YTA-R-2N.....	H-34
Types YKA-R-2N, YKA-A-2N.....	H-35
Type YSA-R-2N.....	H-36
Type YTA-2N.....	H-36
Type YKA-R-2N.....	H-37
Type YCB-R.....	H-38
Types YCB-U, YCB-R-U.....	H-39
Types J990, J1252.....	H-39
Types YHO-J, YHD-J, YHN-J.....	H-40

Transformer and Equipment	H-41 - H-43
Type E-C-G.....	H-41
Types KC22J12T13, EQC632C.....	H-42
Type YA-2LH.....	H-42
Type YE-LH.....	H-43
Types YE-R, YE-W.....	H-43

Mechanical (Bolted) Tap Connectors

The BURNDY line of mechanical tap connectors is the most complete, dependable and economical available. These mechanical connectors consist of service, parallel, and midspan types.

Generally the alloys and hardware used depend on whether the connector is for a strain or current carrying application, and is made of aluminum or copper. Particular alloys and hardware are selected for strength, conductivity, durability, ductility and resistance to corrosion.

In a copper connector, high strength alloys are used in mechanical clamping components and high conductivity alloy in current carrying elements.

Aluminum clamp type connectors are made of alloy 356, which is impervious to stress corrosion. In its heat-treated state, it has high strength and is used for both current carrying and clamping elements.

Hardware is high strength and corrosion-resistant. In copper connectors, DURIMUM™, a silicon bronze alloy, is used. Anodized aluminum alloy 2024-T4 bolts and 6061-T6 nuts are used in aluminum connectors. They provide the best combination of strength, resistance to galling and corrosion, and their thermal coefficient of expansion is most suitable for aluminum. To insure dependable connections, bolts should be tightened to the recommended torque values shown in the specific product table or in the table below.

These mechanical tap connectors are mainly used in overhead distribution systems to provide primary service taps and/or secondary service drop connections to the end users.

A few of the key features and benefits of these connectors are:

Features and Benefits

- High strength alloys provides efficient and reliable performance
- Range taking designs accommodate a large range of conductors in either groove; reducing inventory needs to a minimum
- Matched groove designs ensure maximum contact with conductors accommodated
- Hex bolts, nuts, and washers provide high contact pressure and rapid assembly

Recommended Tightening Torque		Standard Wrench Size	
Bolt Size	Recommended Torque (Inch Lbs.)	Bolt	Nut
DURIMUM™ Silicon Bronze and Galvanized Hardware			
1/4 - 20	80	7/16	7/16
5/16 - 18	180	1/2	1/2
3/8 - 16	240	9/16	9/16
1/2 - 13	480	3/4	3/4
5/8 - 11	660	15/16	15/16
3/4 - 10	1050	1-1/8	1-1/8
Aluminum Hardware*			
1/2 - 13	300	3/4	3/4
5/8 - 11	480	15/16	15/16
3/4 - 10	620	1-1/8	1-1/8

* Aluminum bolts are lubricated.

If no tightening torque is listed in the following catalog pages, use values in table above.

Torque Range	Recommended BURNDY® Torque Wrench
30 - 150 in-lbs	BTW30150
150 - 750 in-lbs	BTW150750

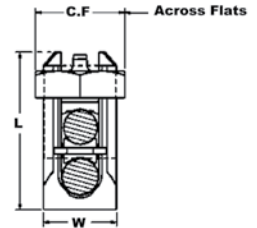


SERVIT® Types KS, KS-3

Split-bolt connectors for copper, copperweld

Material: Copper

Compact, high strength, high copper alloy SERVIT® split-bolt has free-running threads and easy to grip wrench flats. Highly resistant to season cracking and corrosion, the SERVIT® connectors provide maximum pressure and assure a secure connection on all combinations of run and tap conductors. Type KS-3 accommodates 3 maximum size conductors.



Catalog Number	L	W	Conductor						▲ Recommended Tightening Torque(in-lb)	Wrench Size (across flats)
			Copper		Copperweld					
			Range for Equal Run and Tap	Min. Tap with Max. Run	Maximum Run and Tap					
					Sol.	Str.	Type A	Type D		
† KS90	0.85	0.38	12 Str. - 10 Str.	16 Str.	#10	—	—	—	80	1/2
† KS15	0.85	0.38	10 Str. - 8 Str.	14 Str.	#8	—	—	—		
† KS17	1.14	0.45	8 Str. - 6 Sol.	14 Str.	#6	3 #12	8A	9-1/2D	165	5/8
* KS173	0.98	0.70	8 Str. - 6 Sol.	16 Str.	#6	3 #12	8A	9-1/2D		
† KS20	1.20	0.51	8 Str. - 4 Sol.	14 Str.	#4	3 #10	6A	8D		11/16
* KS203	1.17	0.78	8 Str. - 4 Sol.	14 Str.	#4	3 #10	6A	8D		
† KS22	1.50	0.60	6 Str. - 2 Sol.	14 Str.	#2	3 #8	4A	6D	275	3/4
* KS223	1.33	0.84	6 Str. - 2 Sol.	14 Str.	#2	3 #8	4A	6D		
† KS23	1.54	0.62	6 Str. - 2 Str.	14 Str.	#1	3 #7	3A	5D		7/8
† KS25	1.77	0.73	4 Str. - 1/0 Str.	14 Str.	2/0	3 #5	2A	4D		
† KS26	1.94	0.82	2 Str. - 2/0 Str.	14 Str.	3/0	7 #7	—	—	385	1-1/16
† KS27	1.86	1.17	1 Str. - 3/0 Str.	8 Sol.	—	—	—	—		500	1-3/8
† KS29	2.07	1.17	1 Str. - 250	8 Str.	4/0	7 #5	—	—	650	1-7/16
† KS31	2.51	1.41	1/0 Str. - 350	1/0 Str.	—	19 #8	—	—		825	2
† KS34	2.79	1.48	2/0 Str. - 500	2/0 Str.	—	19 #6	—	—	1000	2-3/16
KS39	3.29	1.94	4/0 Str. - 750	4/0 Str.	—	19 #5	—	—	1100	2-3/8
KS44	3.73	2.19	300 - 1000	4/0 Str.	—	—	—	—	1100	2-9/16

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor combinations.

See note page A-2

* Not UL Listed or CSA Certified.

† In addition to UL Listed for wire connectors and CSA Certified, these items are also UL rated for direct burial.

To ensure proper tightening torque use BURNDY® BTW Torque Wrenches.

SERVIT® Cover Type SC

Split-bolt SERVIT® Connector Cover

Material: Plastic



Used indoors or outdoors this compact, one-piece plastic SERVIT® cover, saves time and material, eliminates costly taping of split-bolts. Positive latch snaps easily and quickly over connector, ideal for tight quarters. Self positioning plastic fingers wrap around wires fully insulating joint. UL Listed for 600 volt indoor application. Three covers accommodate a range of 6 SERVIT® sizes through 2/0 Stranded.

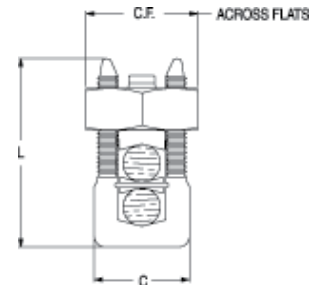
Catalog Number	Conductor Range				*For Use with	For Use with
	Range for Equal Run/Tap		Min. Tap/Max. Run			
	Min.	Max.	Min.	Max.		
SC4	8 Str.	6 Sol.	14 Str.	6 Sol.	KS17	—
SC4	8 Str.	4 Sol.	14 Str.	4 Sol.	KS20	—
SC2	6 Str.	2 Sol.	14 Str.	2 Sol.	KS22	KSA6
SC2	6 Str.	2 Str.	14 Str.	2 Str.	KS23	KSA4
SC2/0	4 Str.	1/0 Str.	14 Str.	1/0 Str.	KS25	KSA2
SC2/0	2 Str.	2/0 Str.	14 Str.	2/0 Str.	KS26	KSA1/0

* UL Listing of Type SC Cover applies to use on BURNDY® SERVIT® Type KS and equivalent split-bolt connectors, when indicated strip length is maintained, maximum indicated conductor sizes are not exceeded, and connector is properly located within recess provided for it.

Universal SERVIT® Type KSU

Split-bolt connectors for copper, copperweld, AAC, ACSR, AAAC, Steel

Material: Copper (Tin Plated)



Tin-plated, high strength copper alloy SERVIT® connector with spacer. Spacer separates dissimilar conductors and provides long contact length that prevents high pressure point contacts between run and tap conductors. Use of PENETROX™ joint compound recommended with Aluminum and ACSR to limit oxide growth and increase life of connection. To ensure proper tightening torque use of BURNDY® Torque Wrenches Type BTW is recommended.

Catalog Number	L	C	Run		Tap		Max. Conductor			Recommended Tightening Torque in-lb	Wrench Size (across Flats)
			Copper & Aluminum	ACSR / AAAC / 5005	Copper & Aluminum	ACSR / AAAC / 5005	Steel				
							Sol. 3 Str. Nom. BWG	BWG Dia.			
KSU17	0.92	0.42	12 Sol. - 6 Sol.	8 (6-1)	12 Sol. - 6 Sol.	8 (6-1)	8	—	5/32	165	5/8
KSU20	1.05	0.48	10 Sol. - 4 Sol.	6 (6-1)	10 Sol. - 4 Sol.	6 (6-1)	6	8	7/32		11/16
KSU22	1.25	0.57	10 Sol. - 2 Sol.	6 (6-1) - 4 (7-1)	10 Sol. - 2 Sol.	6 (6-1) - 4 (7-1)	4	6	1/4	275	3/4
KSU23	1.48	0.59	8 Str. - 2 Str.	3 (6-1) - 2 (6-1)	8 Sol. - 2 Str.	6 (6-1) - 2 (6-1)	—	4	5/16		13/16
KSU25	1.77	0.70	2 Str. - 1/0 Str.	3 (6-1) - 1 (6-1)	10 Str. - 1/0 Str.	6 (6-1) - 1 (6-1)	—		3/8	385	15/16
KSU26	1.93	0.79	2 Str. - 2/0 Str.	1 (6-1) - 1/0 (6-1)	8 Str. - 2/0 Str.	6 (6-1) - 1/0 (6-1)			7/16		1-1/16
KSU27	2.34	1.12	1 Str. - 3/0 Str.	1 (6-1) - 2/0 (6-1)	8 Sol. - 3/0 Str.	8 (6-1) - 2/0 (6-1)			1/2	500	1-3/8
KSU29	2.50	1.58	1 Str. - 250	2/0 (6-1) - 4/0 (6-1)	8 Str. - 250	6 (6-1) - 4/0 (6-1)	5/8		650	1-11/16	
KSU31	2.88	1.36	1/0 Str. - 350	3/0 (6-1) - 4/0 (6-1)	4 Str. - 350	4 (6-1) - 4/0 (6-1)			825		1-13/16
KSU34	3.12	1.47	400 - 500	336 (30-7) - 477 (18-1)	2 Str. - 500	2 (6-1) - 477 (18-1)	—				

Overhead Distribution

Mechanical Tap Connectors
OKLIP™ Type KVS, Type KVSW

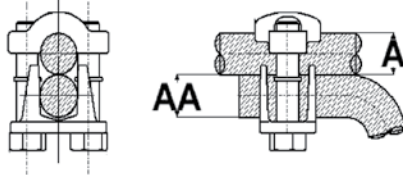
OKLIP™ Type KVS

Connector for Copper, Copperweld

Material: Copper



Compact, two-piece, high strength, high copper alloy OKLIP™ connector recommended for heavy duty connections. Neoprene rings hold bolts in place during installation. Installed with ordinary wrench.



Catalog Number	Conductor					Recommended Tightening Torque (in-lb)	Wrench Size (Cross flats)
	Copper		Copperweld				
	Run (A)	Tap (AA)	Max. Run & Tap				
			Sol.	Str.	Type V		
KVS26	1 Str. - 2/0 Str.	6 Str. - 2/0 Str.	3/0	7 #8	—	180	1/2
KVS28	1/0 Str. - 4/0 Str.	10 Str. - 4/0 Str.	4/0	7 #6	V3/0	250	9/16
KVS31	250 - 350 kcmil	10 Str. - 350 kcmil	—	19 #8	V250	325	3/4
KVS34	400 - 500 kcmil	10 Str. - 500 kcmil	—	19 #6	V350	375	3/4
KVS40	400 - 800 kcmil	3/0 Str. - 800 kcmil	—	19 #5	—	500	3/4
KVS44	500 - 1000 kcmil	3/0 Str. - 1000 kcmil	—	—	—	500	15/16

To ensure proper tightening torque use BURNDY® BTW Torque Wrenches.

OKLIP™ Type KVSW

Connector for Copper, Copperweld

Material: Copper

Similar to OKLIP™ Type KVS except for high copper alloy spacer that separates run and tap conductor. Provides high contact pressure, confines conductor strands, and assures vibration proof connection. Longer peened bolt permits swivel action for easier installation.



Catalog Number	Conductor		Wrench Size (Cross Flats)	Torque in - lb
	Run	Tap		
KVSW26	2 Str. - 2/0 Str.	6 Sol. - 2/0 Str.	1/2	180
KVSW28	1/0 Str. - 4/0 Str.	6 Sol. - 4/0 Str.	9/16	250
KVSW31	250 - 350 kcmil	4 Sol. - 350 kcmil	3/4	325
KVSW34	400 - 500 kcmil	4 Str. - 500 kcmil	3/4	375
KVSW40	400 - 800 kcmil	4/0 - 800 kcmil	3/4	500
KVSW44	500 - 1000 kcmil	250 - 1000 kcmil	15/16	500

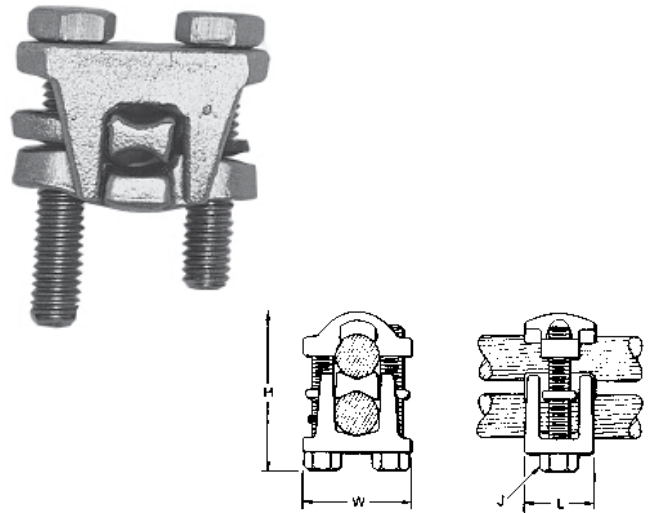
To ensure proper tightening torque use BURNDY® BTW Torque Wrenches.

Universal OKLIP™ Type KVSU

Connector for Copper, Copperweld, AAC†, AAAC†

Material: Copper (Tin Plated)

Compact, high strength, tin-plated copper alloy two-piece connector with spacer and tin-plated silicon bronze DURIMUM™ hardware. Recommended for heavy duty connections. Spacer separates dissimilar conductors and provides long contact length. Neoprene ring prevents loss of shorter bolt during installation. Longer peened bolt permits swivel action for easier installation. Use of PENETROX™ joint compound is recommended with aluminum and ACSR conductor.



Catalog Number	Conductor								H	J	L	W	Rec. Tightening Torque (in-lb)	Wrench Size (Cross Flats)
	Run		Tap		Run		Tap							
	Copper & Alum.	ACSR, AAAC, & 5005	Copper & Alum.	ACSR, AAAC, & 5005	Copper Sol., Copperweld Sol.	Steel Nom. Dia.	Copper Sol., Copperweld Sol.	Steel Nom. Dia.						
KVSU26	2 Str. - 2/0 Str.	3 - 2/0	6 Str. - 2/0 Str.	6 - 2/0	1 - 3/0	5/16 - 7/16	#6 - 3/0	3/16 - 7/16	2	5/16	1	1-1/2	180	1/2
KVSU28	1/0 Str. - 4/0 Str.	1/0 - 4/0	6 Str. - 4/0 Str.	6 - 4/0	2/0 - 4/0	3/8 - 1/2	#6 - 4/0	5/32 - 1/2	2-3/8	3/8	1-1/8	1-3/4	250	9/16
KVSU31	250 - 350 kcmil	4/0 - 300	#5 - 350	6 - 300	—	9/16 - 5/8	#6 - 4/0	3/16 - 5/8	2-5/8	1/2	1-3/8	2-1/8	325	3/4
KVSU34	400 - 500 kcmil	336.4 - 397.5	#4 - 500	5 - 397.5	—	3/4 - 3/4	#4 - 4/0	7/32 - 3/4	3	1/2	1-1/2	2-1/4	375	3/4
KVSU40	400 - 800 kcmil	336.4 - 715.5	4/0 - 800	3/0 - 715.5	—	3/4 - 1	—	1/2 - 1	3-1/2	1/2	1-5/8	2-1/2	500	3/4
KVSU44	500 - 1000 kcmil	397.5 - 900	4/0 - 1000 kcmil	4/0 - 900	—	7/8 - 1-1/8	—	1/2 - 1-1/8	4	3/8	2	3	500	5/16

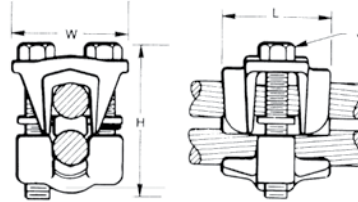
† Accommodates compressed conductors within diameter range.
 To ensure proper tightening torque use BURNDY® BTW Torque Wrenches.

OKLIP™ Type KVS-A

Connector for Copper, Copperweld, AAC†, ACSR†, AAAC

Material: Aluminum

Three-piece, high-conductivity, non-copper bearing aluminum alloy connector with thick spacer and aluminum hardware. Hardware in KVS26A and KVS28A is stainless steel. Recommended for heavy duty dissimilar metal applications. Spacer separates conductors and provides long contact length. Belted entrances prevent chafing and permit easier assembly of conductors. Longer, peened bolt, permits swivel action for easier installation. Neoprene ring prevents loss of shorter bolt. PENETROX™ joint compound recommended with aluminum and ACSR.



Catalog Number	Conductor			
	Run		Tap	
	Copper & Aluminum†	ACSR†, AAAC, & 5005	Copper & Aluminum†	ACSR†, AAAC, & 5005
KVS26A	2 Str. - 2/0 Str.	#4 - 2/0	10 Str. - 2/0 Str.	#6 - 2/0
KVS28A	1/0 Str. - 4/0 Str.	1/0 - 4/0	10 Str. - 4/0 Str.	#6 - 4/0
KVS31A	250 - 350	4/0 - 336.4	6 Str. - 350 kcmil	#6 - 336.4 kcmil
KVS34A	400 - 500	336.4 - 397.5	4 Str. - 500 kcmil	#5 - 397.5 kcmil
KVS40A	400 - 800	336.4 - 715.5 kcmil	3/0 Str. - 800 kcmil	3/0 - 715.5
KVS44A	500 - 1000	397.5 - 900 kcmil	3/0 Str. - 1000 kcmil	3/0 - 900 kcmil

† Accommodates compressed conductors within diameter range.
To ensure proper tightening torque use BURNDY® BTW Torque Wrenches.

THESE CONNECTORS CAN ACCOMMODATE ACSR CONDUCTORS OVER ARMOR ROD WITHIN THE DIAMETER RANGE INDICATED.

Application Over Armor Rod

Catalog Number	Conductor Range by Diameter			H	J	L	W
	Min. Run Dia.	Min. Tap Dia.	Max Run & Tap Dia.				
KVS26A	0.28	0.11	0.44	2	5/16	1-3/8	1-5/8
KVS28A	0.36	0.11	0.56	2-3/8	3/8	1-5/8	2
KVS31A	0.56	0.18	0.68	3	1/2	2	2-5/8
KVS34A	0.72	0.21	0.81	3-3/8	1/2	2-1/2	2-5/8
KVS40A	0.72	0.47	1.03	4	1/2	3-1/8	3
KVS44A	0.80	0.47	1.16	4-1/2	5/8	3-1/2	3-3/8

VISEIT™ Type VG Connector for Copper

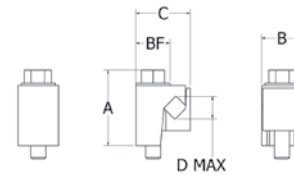
Material: Copper

Copper VISEIT™ connectors are easy to install and will not swivel. The interlocking parts will not rotate out of the body. Supplied with hex head bolts; VG1 size has a slotted hex bolt.



Features and Benefits

- Single tool installation keeps other hand free to contain conductors
- Compact profile after installation facilitates taping and alignment with conductors
- Accommodates a wide range of conductors and minimizes number of connectors required
- Side installation of conductors eliminates having to separate pieces during installation
- Copper alloy body design provides combination of strength and corrosion resistance



Catalog Number	Conductor Range ①		A	B	C	Bolt Head (Hex.)	Recommended Torque (In-Lb)
	Max. 2 Conductor	Min. 2 Conductor					
VG1 ②	6 Sol.	10 Sol.	0.94"	0.63"	0.75"	3/8" (Slotted)	110 lbs/in
VG2	4 Str.	8 Str.	1.09"	0.70"	0.81"	9/16"	110 lbs/in
VG3	2 Sol.	6 Sol.	0.98"	0.83"	0.94"	9/16"	150 lbs/in
VG4	1/0 Str.	4 Sol.	1.70"	1.00"	1.33"	9/16"	180 lbs/in
VG5	2/0 Str.	3 Sol.	1.80"	0.98"	1.28"	9/16"	180 lbs/in

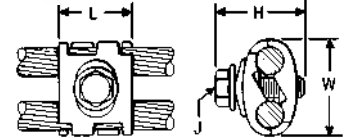
① Connectors are capable of accepting any combination of conductors of conductors within specified maximum range (example: VG1 can accept 7 Sol. - 9 Str. combination)

② The VG1 hardware has a slotted hex. The other sizes are unslotted. Hardware is stainless steel.

Universal Parallel Groove Clamp, Type UC-L For Copper, Copperweld, AAC†, ACSR†, AAAC, Steel

Material: Copper (Tin Plated)

Interlocking finger design accommodates large range of conductor sizes. Tin-plated, cast of high copper alloy, and clamped with plated steel bolt. PENETROX™ joint compound recommended with aluminum and ACSR.



Catalog Number	Copper & Alum. (Either Groove)	ACSR†, 6201, 5005	Copperweld	Steel		Dimensions				Wrench (Cross flats)	Torque in - lb
				Nom. Dia.	AWG	L	H	J	W		
UC8W26L	8 Sol. - 2/0 Str.	6 - 1/0	8 Sol. - 7 #7	5/32 - 7/16	8 Sol. - 4-3 Str.	1	1-1/2	5/16	1-7/16	1/2	180
UC2W28L	2 Sol. - 4/0 Str.	3 - 4/0	3 #8 - 7 #6	9/32 - 9/16	4 - 3 Str. - 4 - 3 Str.	1-1/8	1-1/2	3/8	1-3/4	9/16	250

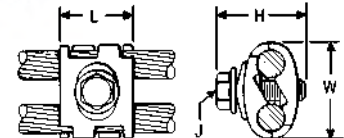
† Accommodates compact and compressed conductors within diameter range. To ensure proper tightening torque use BURNDY® BTW Torque Wrenches. Torque values are for max. conductor sizes.

Universal Parallel Groove Clamp, Type UCK-UL For Copper, Copperweld, AAC, ACSR, AAAC, Steel

Material: Copper (Tin Plated)



Interlocking finger design accommodates large range of conductor sizes. Tin-plated, cast of high copper alloy, and clamped with silicon bronze DURIMUM™ bolt. PENETROX™ joint compound recommended with ACSR. Applications include grounding for the Cable TV industry.



Catalog Number	For Use With:	Conductor Range				Dimensions				Wrench Size (Cross flats)	Torque in - lb
		Groove A		Groove B		L	H	J	W		
		Maximum Size	Minimum Size	Maximum Size	Minimum Size						
UCK1UL †	Aluminum or Galvanized Steel Strand to Copper or Copper Bonded Steel Wire	1/0 ACSR 7/16 Galvanized Steel Strand	#6 ACSR	2/0 Str. Copper 7/16 Copperweld, 2A Copperweld	#8 Sol. Copper 9-1/2D Copperweld	1	1-7/16	5/16	1-7/16	1/2	180
UCK2UL	Aluminum or Galvanized Steel Strand to Aluminum or Galvanized Steel Strand	1/0 ACSR 7/16 Galvanized Steel Strand	#6 ACSR	1/0 ACSR or 7/16 Galvanized Steel Strand	#6 ACSR					1/2	180
UCK3UL	Copper to Copper	2/0 Str. Copper 7/16 Copperweld 2A Copperweld	#8 Sol. Copper 9-1/2D Copperweld	2/0 Str. Copper 7/16 Copperweld 2A Copperweld	#8 Sol. Copper 9-1/2D Copperweld					1/2	180

† Accommodates compact and compressed conductors within diameter range. To ensure proper tightening torque use BURNDY® BTW Torque Wrenches. Torque values are for max. conductor sizes.

Parallel Groove Clamp, Type CP-A

For Copper, Copperweld, AAC†, ACSR, AAAC, Steel

Material: Aluminum (Cast), Aluminum Hardware

Type CP-A Parallel Groove Clamps are recommended for tap or parallel connections. High strength, high conductivity aluminum body and hardware provide corrosion resistant assembly. Long contact surface for excellent contact and full conductivity. PENETROX™ joint compound recommended for all combinations.

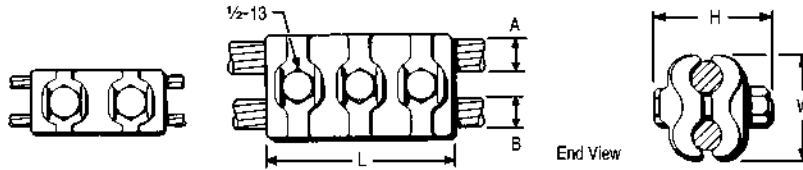


Fig. 1

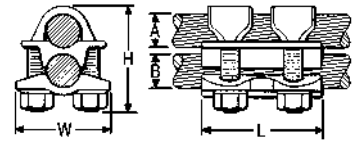
Fig. 2

Catalog Number	Groove A		Groove B		Fig. No.	Dimensions			Wrench Size (cross flats)	Torque in - lb
	ACSR, 6201, 5005	Copper & Aluminum	ACSR, 6201, 5005	Copper & Aluminum		L	H	W		
CP26A26A	1/0	3/0 Sol. - 2/0 Str.	1/0	3/0 Sol. - 2/0 Str.	1	4"	2.13	3/4	480	
CP27A27A	2/0 101.8 (12-7) 110.8 (12-7)	4/0 Sol. - 3/0 Str.	2/0 101.8 (12-7) 110.8 (12-7)	4/0 Sol. - 3/0 Str.					480	
CP28A28A	3/0 134.6 (12-7)	4/0 Str.	3/0 134.6 (12-7)	4/0 Str.					480	
CP29A29A	4/0 159 (12-7) 203 (8-7)	250 266.8	4/0 159 (12-7) 203 (8-7)	250 266.8					480	
CP30A30A	176.9 (12-7) 190.8 (12-7) 266.8 (18-1, 6-7, 26-7)	300	176.9 (12-7) 190.8 (12-7) 266.8 (18-1, 6-7, 26-7)	300	2	4-1/2"	2.38	3/4	480	
CP31A31A	211.3 (12-7) 300 (26-7, 30-7) 336.4 (18-1)	336.4 350	211.3 (12-7) 300 (26-7, 30-7) 336.4 (18-1)	336.4 350					480	
CP32A32A	203.2 (16-19) 336.4 (26-7, 30-7) 397.5 (18-1)	397.5 400	203.2 (16-19) 336.4 (26-7, 30-7) 397.5 (18-1)	397.5 400					480	
CP34A34A	397.5 (26-7, 30-7) 477 (18-1)	450 477 500	397.5 (26-7, 30-7) 477 (18-1)	450 477 500	5"	3"	2.50		480	
CP37A37A	500 (30-7) 556.5 (24-7, 26-7, 30-7) 636 (36-1) 605 (24-7)	636	500 (30-7) 556.5 (24-7, 26-7, 30-7) 636 (36-1) 605 (24-7)	636	5-1/4"	3-3/8"	3.00		480	

† Accommodates compact and compressed conductors within diameter range. For other sizes contact factory.
Not recommended for copper to copper applications. Use copper connector.
To ensure proper tightening torque use BURNDY® BTW Torque Wrenches.

Parallel Groove Clamp, Type VP For Copper

Material: Copper



Multiple V-bolt connector especially suited for flexible or extra flexible conductors. Made of high strength, high conductivity copper. Clamping elements accommodate a range of conductor sizes in either groove. V-bolts provide high pressure and compress the conductor over long contact area. Also recommended for jumper connections.

Catalog Number	Groove A	Groove B	Dimensions			Wrench Size (Cross flats)	Torque in - lb
			L	H	W		
VP2828	1/0 Str. - 4/0 Str.	1/0 Str. - 4/0 Str.	2-3/4"	2-1/8"	1.75"	9/16	250
VP3030	1/0 Str. - 300	1/0 Str. - 300	3-1/8"	2-1/2"	2.00"	11/16	325
VP3430	300 - 500		3-1/4"	3-1/8"	2.50"	3/4	375
VP3434		300 - 500					
VP4030	500 - 800	1/0 Str. - 300	3-1/2"	4-3/8"	2.88"	7/8	500
VP4040		500 - 800	3-3/4"				
VP4440	750 - 1000	500 - 800	3-7/8"	5"	3.19"		
VP4646	1000 - 1500	1000 - 1500	4-1/2"	5-3/8"	3.50"	15/16	600

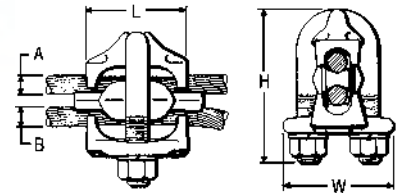
To ensure proper tightening torque use BURNDY® BTW Torque Wrenches.

CLIPIT™ Dead End Clamp, Type UW-R For AAC†, ACSR†, AAAC

Material: Aluminum (Cast)

High strength aluminum casting with galvanized steel U-bolt, extra long aluminum spacer, and caps that confine strands. Holding strength of installations using two CLIPIT™ deadends exceeds rated breaking strength of conductor. Use of PENETROX™ joint compound is recommended.

RUS Accepted



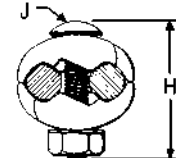
Catalog Number	Run A		Tap B		Dimensions			Wrench	Torque in - lb
	ACSR, 6201, 5005	Aluminum	ACSR, 6201, 5005	Aluminum	L	H	W		
UW2R	6 - 2	6 Str. - 2 Str.	6 - 2	6 Str. - 2 Str.	1-1/2"	2-5/8"	1.82"	9/16	240
UW25R	6 - 1/0	6 Str. - 2/0 Str.	6 - 1/0	6 Str. - 2/0 Str.	1-7/8"	2-7/8"	1.98"		240

† Accommodates compact and compressed conductors within diameter range. To ensure proper tightening torque use BURNDY® BTW Torque Wrenches.

Parallel Groove Clamp, Type UC For Copper

Material: Copper

Type UC connector accommodates large range of conductors in either groove, reducing inventory to a minimum. Interlocking finger design provides firm grip with maximum contact length. High strength, corrosion resistant silicon bronze hardware. One wrench installation.



End View Type UC



Fig. 1

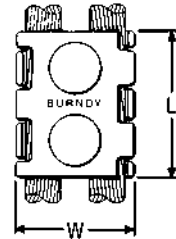


Fig. 2



Fig. 3

Catalog Number	Conductor (Either Groove)	Fig.	Dimensions				Wrench Size (Cross flats)	Torque in - lb
			L	H	J	W		
UC6W25	6 Sol. - 1/0 Str.	1	1-3/4"	1-5/8"	3/8"	1-3/8"	9/16	240
UC4W28	4 Sol. - 4/0 Str.	2	2-1/8"	2"		1-3/4"		240
UC2W30	2 Sol. - 300			2-3/8"	2-1/8"	2"		240
UC2834	4/0 Str. - 500	3	4-1/4"	2-7/8"	1/2"	2-1/2"	3/4	480
UC3040	300 - 800			3-3/8"		3"		480
UC3444	500 - 1000			3-5/8"		3-1/2"		480

To ensure proper tightening torque use BURNDY® BTW Torque Wrenches

Parallel Groove Clamp, Type CP For Copper

Material: Copper

High strength, high copper alloy Type CP clamps are recommended for heavy duty parallel connections. Silicon bronze DURIMUM™ hardware and cast copper body provides corrosion resistant assembly. Long contact surface provides excellent and assures full conductivity.



Fig. 1

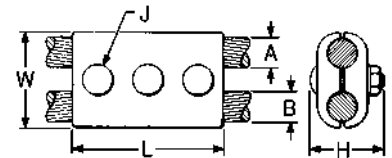


Fig. 2

Catalog Number	Groove		Fig.	Dimensions			Wrench Size (Cross flats)	Torque in - lb
	A	B		L	J	W		
CP2C2C	2 Str.	2 Str.	1	2-1/2"	3/8"	1-1/4"	9/16	240
CP2525	1/0 Str.	1/0 Str.		3"		1-5/8"		240
CP2626	2/0 Str.	2/0 Str.						240
CP2828	4/0 Str.	4/0 Str.	2	4"	1/2"	2"	3/4	240
CP2929	250	250						240
CP3434	500	500		5"		2-1/2"		480

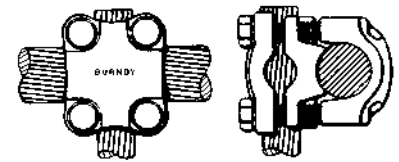
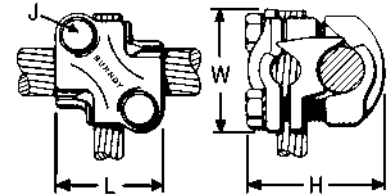
For other sizes contact factory.

To ensure proper tightening torque use BURNDY® BTW Torque Wrenches

VERSITAP™ Connector, Type QPX For Copper, Copperweld

Material: Copper

The VERSITAP™ Type QPX connector is recommended for Tee, Cross, Parallel, Butt, and Tap connections. Range-taking, only requires 10 connectors to accommodate conductor sizes from #6 Stranded to 1000 kcmil. Edges are rounded for easy taping. Made of high strength, high conductivity copper alloy and supplied with silicon bronze DURIMUM™ hardware.



PARALLEL

TAP

TEE

CROSS

BUTT

Catalog Number	Run			Tap			Dimensions				Wrench Size (Cross Flats)	Torque in - lb
	Copper Str - RUN	Copperweld Solid - RUN	Copperweld Str - RUN	Copper Str - TAP	Copperweld Solid - TAP	Copperweld Str - TAP	L	H	J	W		
QPX2C2C	6 Str. - 2 Str.	5 Sol. - 3 #7	8A - 4A	6 Str. - 2 Str.	5 Sol. - 3 #7	8A - 4A	1-3/8	1.50	5/16	1-3/8	1/2	150
QPX282C	1 Str. - 4/0 Str.	7 #9 - 7 #5	3A - 3/0V	6 Str. - 2 Str.	5 Sol. - 3 #7	8A - 4A		2.06				1-9/16	250
QPX2828				1 Str. - 4/0 Str.	7 #9 - 7 #5	3A - 3/0V	1-7/8	2.38	3/8	1-13/16	9/16	250
QPX342C	250 - 500 kcmil	19 #19 - 19 #6	4/0 EK	6 Str. - 2 Str.	5 Sol. - 3 #7	8A - 4A	1-3/8	2.50	5/16	1-7/8	1/2	250
QPX3428				1 Str. - 4/0 Str.	7 #9 - 7 #5	3A - 3/0V	1-3/4	2.75		3/8		2-1/16	250
QPX3434				250 - 500 kcmil	19 #19 - 19 #6	4/0 EK	2	3.00	2-3/16		250	
QPX442C	500 - 1000 kcmil	19 #6	—	6 Str. - 2 Str.	5 Sol. - 3 #7	8A - 4A	1-3/8	2.63	5/16	2-1/4	1/2	250
QPX4428			—	1 Str. - 4/0 Str.	7 #9 - 7 #5	3A - 3/0V	1-7/8	2.88				3/8	2-7/16	9/16	250
QPX4434			—	250 - 500 kcmil	19 #19 - 19 #6	4/0 EK	2	3.06	250			
QPX4444			—	500 - 1000 kcmil	19 #6	—	2-5/8	3.44	2-9/16	250		

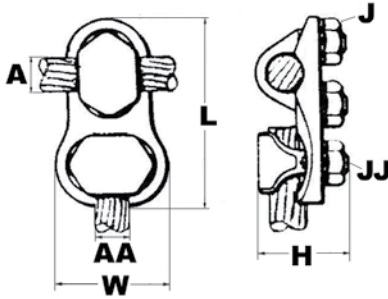
To ensure proper tightening torque use BURNDY® BTW Torque Wrenches

T-Connector, Type VT
V-bolt clamping for Copper

Material: Copper



High copper alloy T-connector for cable run, cable tap. V-bolt clamping elements accommodate a large range of cable and are particularly suited for extra flexible cable. One-wrench installation.



Catalog Number	Conductor		H	L	W	Torque Ratings			
	Run (A)	Tap (AA)				Wrench 1	Wrench 2	Torque 1	Torque 2
VT2C2C	8 AWG - 2 AWG	8 AWG - 2 AWG	1-3/8"	2-3/8"	1"	7/8	7/8	275	275
VT2525	6 AWG - 1/0	6 AWG - 1/0	1-5/8"	2-5/8"	1-1/4"	1	1	385	385
VT2825	1/0 - 4/0 AWG			3-1/8"	1-1/4"	9/16	1	250	385
VT2828				3-3/8"	1-3/4"	9/16	9/16	250	250
VT3025	1/0 - 300 kcmil	6 AWG - 1/0	1-7/8"	3-3/8"	1-1/8"	11/16	1	325	385
VT3030		1/0 - 300 kcmil		3-1/2"	2"	11/16	11/16	325	325
VT3425	300 kcmil - 500 kcmil	6 AWG - 1/0	2-3/8"	3-5/8"	1-1/4"	3/4	1	375	385
VT3428		1/0 - 4/0 AWG		3-1/2"	1-3/4"	9/16	3/4	250	250
VT3430		1/0 - 300 kcmil		3-5/8"	2"	3/4	1	480	385
VT3434		300 kcmil - 500 kcmil		3-3/4"	2-1/4"	3/4	3/4	480	480
VT4040	500 kcmil - 800 kcmil	500 kcmil - 800 kcmil	2-5/8"	4-3/8"	2-5/8"	7/8	7/8	600	600
VT4425	750 kcmil - 1000 kcmil	6 AWG - 1/0	2-7/8"	4-3/4"	1-1/4"	15/16	1	660	385
VT4428		1/0 - 4/0 AWG		4-1/8"	1-3/4"	15/16	9/16	660	240
VT4834	1500 kcmil - 2000 kcmil	300 kcmil - 500 kcmil	4-1/4"	5-1/4"	2-1/4"	1-1/8	3/4	1050	480

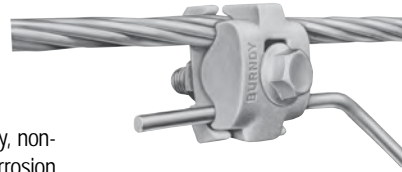
To ensure proper tightening torque use BURNDY® BTW Torque Wrenches

TAPIT™ Parallel Clamp, Types UCG-R, UCG-RS For Copper, AAC†, ACSR†, AAAC

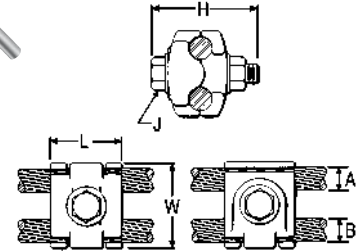
Material: Aluminum

Multi-purpose parallel groove clamp made of high strength, high conductivity, non-copper bearing aluminum alloy. Properly proportioned to minimize stress corrosion and deterioration by galvanic action.

Interlocking fingers on connect body halves prevent mismatching. Square shank, hex head, round collar, high strength galvanized steel bolt allows one or two-wrench installation. Available pre-filled with PENETROX™ joint compound, and stripsealed to limit oxide growth and to increase the life of the connection.



RUS Accepted



Catalog Number		Groove A		Groove B		Dimensions				Wrench Size	Torque In-lb
With Stripseal	Without Stripseal	Copper & Aluminum†	ACSR†, 6201, & 5005	Copper & Aluminum†	ACSR†, 6201, & 5005	L	H	J	W		
UCG25R2RS**	UCG25R2R**	6 Sol. - 1/0 Str.	8 Str. - 1/0 Str.	6 Sol. - 2 Str.	8 - 2	1-1/8"	1-7/8"	5/16"	1-3/8"	1/2	180
UCG25RS	UCG25R	8 Str. - 1/0 Str.	6 - 1/0	8 Str. - 1/0 Str.*	6 - 1/0	1-3/8"	2-1/8"	3/8"	1-5/8"	9/16	240
UCG28RS	UCG28R	1/0 Str. - 4/0 Str.	1/0 - 4/0	1/0 Str. - 4/0 Str.	6 - 4/0	1-3/8"	2-1/5"	3/8"	1"	3/4	480
UCG32RS	UCG32R	1/0 Str. - 397.5	1/0 - 336.4	8 Str. - 2/0 Str.	6 - 1/0	1-1/2"	2-5/8"	3/8"	2-1/8"	9/16	240

* Maximum recommended combinations: 1/0 Aluminum or ACSR Run - #2 Str. Copper Tap; 1/0 Copper Run - 1/0 Aluminum or ACSR Tap.

† Accommodates compact and compressed conductors within diameter range.

** Supplied with galvanized steel, square shank bolt.

Not recommended for copper to copper applications. Use a copper connector to increase connection life. For proper installations use BURNDY® BTW Torque Wrenches.

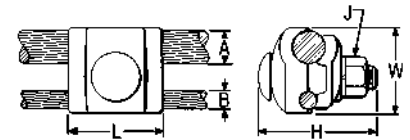
TAPIT™ Parallel Clamp, Types UC-R, UC-RS For Copper, AAC†, ACSR†, AAAC

Material: Aluminum

High strength, high conductivity, non-copper bearing aluminum alloy, properly proportioned to minimize stress corrosion and deterioration by galvanic action. Keying tabs on connector body halves prevent mismatching. Square shank, high strength galvanized steel bolt allows one wrench installation. Available pre-filled with PENETROX™ joint compound and stripsealed.



RUS Accepted



Catalog Number		Groove A		Groove B		Dimensions				Wrench	Torque
With Stripseal	Without Stripseal	Copper & Aluminum†	ACSR†, 6201, & 5005	Copper & Aluminum†	ACSR†, 6201, & 5005	L	H	J	W		
UC25R2RS	UC25R2R	8 Sol. - 1/0 Str.	6 - 1/0	8 Sol. - 2 Str.	6 - 2	1-1/8"	1-5/8"	5/16"	1-3/8"	1/2	180
UC28RS	UC28R	1/0 Str. - 4/0 Str.	1/0 - 4/0	8 Sol. - 1/0 Str.	6 - 1/0	1-3/8"	2-3/8"	3/8"	1-7/8"	9/16	240
UC32RS	UC32R	1/0 Str. - 397.5	336.4	6 Sol. - 2/0 Str.	6 - 1/0	1-1/2"	2-3/8"	3/8"	2-1/4"	9/16	240
—	UC33R	4/0 Str. - 400	336.4	6 Sol. - 2/0 Str.	6 - 2/0	1-3/4"	2-3/4"	1/2"	2-1/4"	3/4	480

* Maximum recommended combinations: 4/0 Aluminum or ACSR Run - #2 Str. Copper Tap.

† Accommodates compact and compressed conductors within diameter range.

Not recommended for copper to copper applications. Use a copper connector to increase connection life.

For proper installations use BURNDY® BTW Torque Wrenches.

FASTAP™ with Lineman Assist™, Type UCT For Copper, AAC, ACSR, AAAC, ACAR, Messenger Guy

Material: Aluminum (Galvanized Steel Hardware)

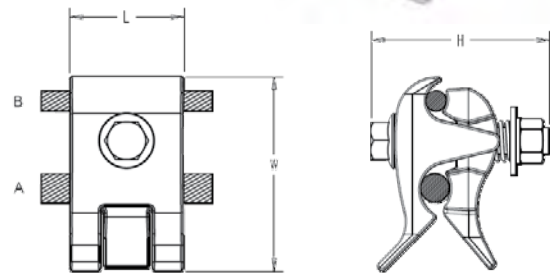
The BURNDY® FASTAP™ with Lineman Assist™ mechanical connector utilizes a spring system that acts as a third hand to assist in installation. This system helps secure the tap conductor while installing on Primary, Secondary, and service applications. The duck bill handle simplifies installation by providing a handle to easily hold the connector while wearing dielectric gloves. Conductor side entry facilitates installation and also helps keep inhibitor in the connector. Supplied strip sealed and pre-filled with PENETROX™ joint compound to limit oxide growth and increase the life of the connection.

Variations:

- Remove "S" for no PENETROX™
- Add "SS" for stainless steel hardware
- Add "C" to include a cover
- Add "HN" for shear nut
- Cover may be ordered separately (UCTCOVER)
- * Not available with cover or shear nut

— Not recommended for Copper to Copper applications; use Copper FASTAP™ connector (see next page)

To ensure proper tightening torque, use BURNDY® BTW Torque Wrenches.



Catalog Number	Conductor Range				Conductor Diameter				Torque (in-lb)	Wrench Size	# of Bolts	Dimensions		
	Groove A (Run)		Groove B (Tap)		Groove A (Run)		Groove B (Tap)					L	H	W
	Copper & Aluminium	ACSR, 6201 & 5005	Copper & Aluminium	ACSR, 6201 & 5005	Min	Max	Min	Max						
UCT26RS	8 Sol - 2/0 Str	6 Str - 2/0 Str	8 Sol - 2/0 Str	6 Str - 2/0 Str	0.13	0.45	0.13	0.45	250	9/16	1	1.62	2.62	2.50
UCT32RS	1 Sol - 400	2 Str - 336.4	8 Sol - 4/0 Str	6 Str - 4/0 Str	0.29	0.73	0.13	0.56	250	9/16	1	1.62	2.62	2.82
UCT41R28RS*	250 Str - 650 Str	4/0 (6/1) - 556.5 (30/7)	6 Sol - 4/0 Str	6 Str - 4/0 Str	0.56	0.95	0.16	0.56	480	3/4	1	2.66	4.37	4.57
UCT41R41RS*	250 Str - 650 Str	4/0 (6/1) - 556.5 (30/7)	250 Str - 650 Str	4/0 (6/1) - 556.5 (30/7)	0.56	0.95	0.46	0.95	480	3/4	2	4.20	4.37	5.23

Copper FASTAP™ with Lineman Assist™, Type UCT For Copper

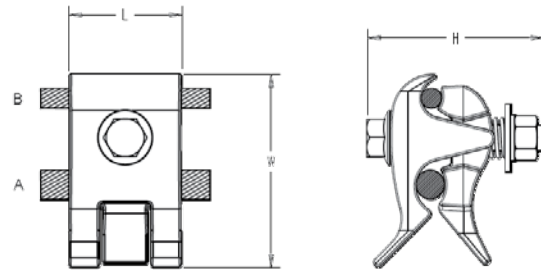
Material: Copper
(Silicon Bronze / Stainless Hardware)

The BURNDY® FASTAP™ with Lineman Assist™ mechanical connector utilizes a spring system that acts as a third hand to assist in installation. This system helps secure the tap conductor while installing on Primary, Secondary, and service applications. The duck bill handle simplifies installation by providing a handle to easily hold the connector while wearing dielectric gloves. Conductor side entry facilitates installation and also helps keep inhibitor in the connector.

Variations:

- Add "SS" for stainless steel hardware
- Add "C" to include a cover
- Add "HN" for shear nut
- Cover may be ordered separately (UCTCOVER)

To ensure proper tightening torque, use BURNDY® BTW Torque Wrenches.

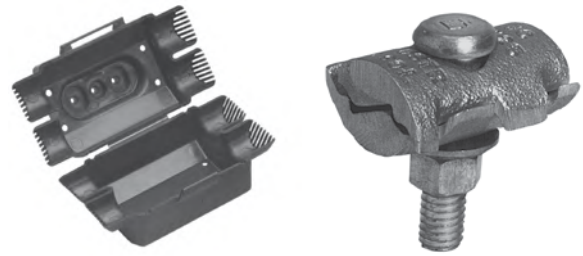


Catalog Number	Conductor Range		Conductor Diameter				Torque (in-lb)	Wrench Size	Dimensions		
	Groove A (Run)	Groove B (Tap)	Groove A (Run)		Groove B (Tap)				L	H	W
	Copper	Copper	Min	Max	Min	Max					
UCT26	8 Sol - 2/0 Str	8 Sol - 2/0 Str	0.13	0.45	0.13	0.45	240	9/16	1.62	2.62	2.50
UCT32	1 Sol - 400	8 Sol - 4/0 Str	0.29	0.73	0.13	0.56	240	9/16	1.62	2.62	2.82

Connector/Cover Kit, Type UC-KIT

Includes Type UC connector and Cover

Type UC connector accommodates a large range of copper conductors in either groove. Kits include the connector and cover.



Catalog Number	Conductor (Either Groove)	Dimensions				Wrench	Torque
		L	H	J	W		
UC6W25CONKIT	6 Sol. - 1/0 Str.	1-3/4"	1-5/8"	[3/8]"	1-3/8"	9/16	240
UC4W28CONKIT	4 Sol. - 4/0 Str.	2-1/8"	2"		1-3/4"		

Note: For connectors with break-away bolt contact factory.

TAPIT™ Connector Cover, Type UC-COVER

For Select Types UC, UCG Tap Connector

High density polyethylene cover accommodates several sizes of Types UC and UCG connectors. One piece design; simply slip over the connector and snap shut. Supplied in black.



Catalog Number: UCCOVER1BOX25 For use with following connectors:

UCG25R2RS	UCG25R2R
UCG25RS	UCG25R
UCG28RS	UCG28R
UC25R2RS	UC25R2R
UC28RS	UC28R
UC6W25	UC4W25

FASTAP™ Connector Cover, Type UCTCOVER

For Select Types UCT, UCG Tap Connectors

High density polyethylene cover accommodates all FASTAP™ connectors and select Type UCG connectors. One piece design; simply slip over the connection and snap shut. Supplied in black.

Catalog Number: UCTCOVER For use with following connectors:

UCT26
UCT32
UCT26RS
UCT32RS
UCG32RS
UCG26RS



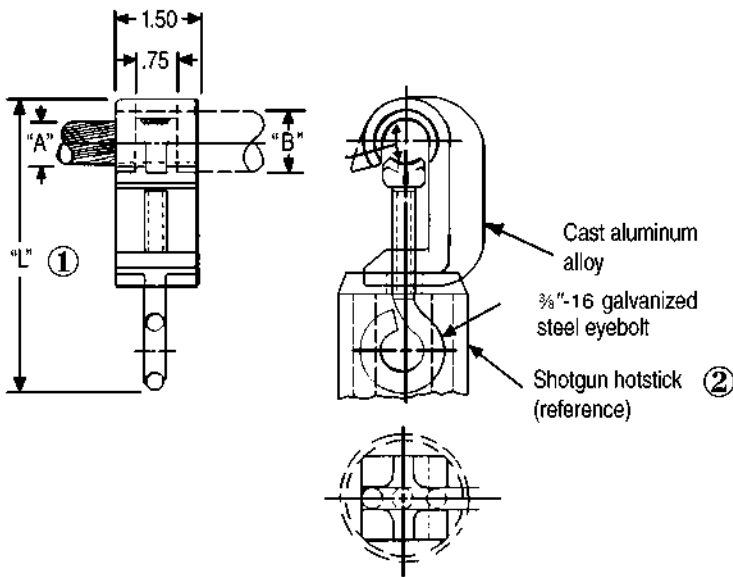
Lightning Shield Clamp, Type LSC

For AAC and ACSR Primary Covered Conductor (Tree Wire)

Material: Aluminum (Cast)

Cast aluminum lightning shield clamp with a galvanized steel eye bolt for use on covered aluminum and ACSR primary overhead distribution conductors (Tree Wire). These clamps are designed to protect the Tree Wire from burn-down causing service interruption during high lightning activity. For further application details, contact the factory.

Conductor groove is pre-filled with PENETROX™ A-13 oxide inhibitor, which is compatible with cable insulation and individually bagged.



① Approx. assembly length over eyebolt with cable clamped. Also approx. eyebolt position when shipped.

② Assembly can be installed using a shotgun hotstick as shown. Assembly instructions are supplied with each connector.

Catalog Number	Cable	Accommodates Cable Dia. "A"	Insul. Dia. "B" (Max.)	"L"
LSC1/0	1/0 Str. ACC - 1/0 ACSR	0.368 - 0.398	0.65"	4.50"
LSC1/01	1/0 Str. AAC - 1/0 ACSR	0.368 - 0.398	0.83"	4.50"
LSC556	4/0 Str. - 556.5 AAC	0.528 - 0.858	1.16"	5.90"
LSC5561	4/0 Str. - 556.5 AAC	0.528 - 0.858	1.34"	5.90"

Compression Tap Connectors General Overview

The BURNDY line of compression connectors are wide range-taking; accommodate copper, aluminum and ACSR; are easy to install; and are dependable and economical. They are designed to be installed with BURNDY® “matched” hand, hydraulic, and power-driven hydraulic tooling. The connector line consists of C-shaped, Figure 3, Figure 6-shaped, and HYCRIMP™ tap connectors, disconnectable T-taps, terminals and STIRRUP™ connectors.

The copper CRIMPIT™ is a range-taking, reversible, C-shaped compression tap connector for combinations of copper conductors. Twelve connectors take tap combinations from #10 AWG through 4/0, and all sizes are installed with dies that also install aluminum connectors. Sizes accommodating conductors up to #2 may be installed with the MD6 and OUR840 type tools. All sizes may be installed with the 35 or 750 family of tools. They make “hot” installation easy by permitting the lineman to grip the CRIMPIT™ in the compression tool and then place it on the line. The tap is then inserted and the CRIMPIT™ is compressed. Massive C-shape forces tap and line conductors together to form dependable, low-cost, low-resistance connections.

The CABELOK™ CRIMPIT™ is a range-taking universal and reversible, Figure 3-shaped aluminum compression tap connector with an adjustable spacer which separate the conductors. It accommodates combinations of copper, aluminum, and ACSR conductors from #6 up to 4/0, and is installed with the common O and D3 dies. The broad range capacity of each CABELOK™ CRIMPIT 2 reduces the number of connectors required and simplifies connector selection.

The spacer holds the run or tap in place permitting the lineman either to approach the line with the connector held in the tool and with the tap in the connector, or to assemble the connector and tap on the line and then bring up the tool to crimp.

Each CABELOK™ CRIMPIT™ is pre-filled with PENETROX™ joint compound and individually bagged. These packages are clearly marked with the entire conductor range of the connector as well as pertinent tooling information. The open side of the CABELOK™ CRIMPIT™ makes “hot” installations easy by allowing the connector to be carried to the energized line in the crimping tool (MD6, 35, or 750 families hot-line styles).

The Figure 6-shaped aluminum compression tap connector is one of the widest range-taking compression tap connectors available. It accommodates copper, aluminum, or ACSR conductors in very broad ranges. Only four connectors are required to accommodate a range from #6 to 600 kcmil. This broad range is made possible by the long ram stroke of the 35 and 750 series tools.

HYCRIMP™ compression tap connectors accommodate ACSR, stranded copper or aluminum, solid copper or aluminum, and compact conductors. Seventeen sizes are available to accommodate all conductors from #6 solid to 954 kcmil compact. All HYCRIMP™ connectors can be installed with industry standard O, D, N and R dies. Each connector is factory-filled with BURNDY® PENETROX™ joint compound, and individually boxed for ease of handling, identification, and installation.

The BURNDY® line of disconnectable T-taps and jumper loop slices offer an economical approach to sectionalizing or isolating equipment on energized lines. They combine the best features of compression and mechanical connectors. The pads can be easily assembled or separated from each other with hot-line tools.

The STIRRUP™ combines a compression C-shaped Figure 6-shaped or H-shaped element for the run conductor, and a factory installed bail which accommodates a hot-line clamp. The line element can be gripped in the tool and carried to the line and then crimped.

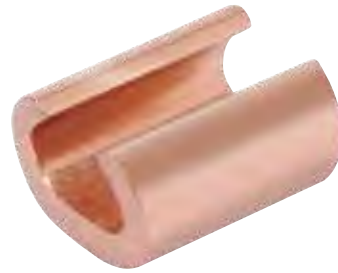
Note: Aluminum bodied compression tap connectors are not recommended for making copper to copper connections. Two connectors are recommended when feeding a line in both directions.

Overhead Distribution

Compression Tap Large Range Taking
COPPER CRIMPIT™ Types YC-C, YP-C

Copper CRIMPIT™ Connector, Type YC-C For Copper, Copperweld

Material: Copper
UL Listed 90° C, Up to 35 kV ♦



Range-taking compression tap connector made of pure copper. Designed to be gripped in the jaws or dies of installation tool, then slipped directly over line for easy installation. Also used for deadending applications.

Copperweld-Copper Conductors

8A - Use CRIMPIT™ accommodating 6 Str. Copper

6A - Use CRIMPIT™ accommodating 4 Str. Copper

4A - Use CRIMPIT™ accommodating 2 Str. Copper

2A - Use CRIMPIT™ accommodating 1/0 & 2/0 Copper

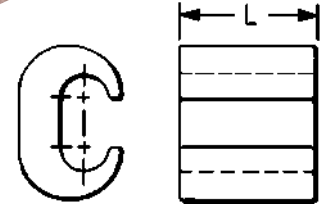
** Multiple crimp die set. Makes more than one crimp per tool compression. Figure () indicates number of compressions.

† Not UL Listed.

‡ Number of crimps.

* U Die with adapter PUADP1.

§ Not UL Listed or CSA Certified with this conductor size in run.



RUS Accepted

Catalog Number	Run	Tap	L	▲ Die Index	Tools, Die Set, Catalog Number and (‡No. of Crimps) ▲			CRIMPIT™ for 1 Str. Copper	
					MD6	OUR840	35, 750 Series, Y45, 46 Series*	Run	Tap
YC10C10 †	12 Sol.-10 Str.	12 Sol.-10 Str.	.32	238	W238 (1)	W238 (1)	U238 (1)	—	—
YC8C8	8 Sol.-8 Str.	10 Sol.- 8 Str.	.50	162	W162 (2)	W162 (2)	U162** (1)	—	—
YC4C8	6 Sol.-4 Str.	8 Sol.- 8 Str.	.62	BG or 5/8	BG (2) WBG** (1)	XBG (2) XNBG (2)	UBG (1)	—	—
YC4C6		6 Sol.- 6 Str.	.57						
YC4C4		6 Sol.- 4 Str.							
YC2C4	4 Sol.-2 Str.	8 Sol.- 4 Str.	.67	C	WC (2)	—	UC (1)	1 Str. §	6, 8 Str., 8 Sol.
YC2C2	2 Sol.-2 Str.	2 Sol.- 2 Str.						—	—
YC26C2	1/0 Str.-2/0 Str.	8 Sol.- 2 Str.	.92	E or O	—	—	UE (3) UO (1)	1 Str. §	1 or 2 Str.
YC26C26		1/0 Str.- 2/0 Str.						—	—
YC28C2	3/0 Str.-4/0 Str.	6 Sol.- 2 Str.	1.07	F or D3	—	—	UF (3) UD3** (1)	—	—
YC28C26		1/0 Str.- 2/0 Str.							
YC28C28		3/0.- 4/0 Str.							

Copper CRIMPIT™ Tap Connector, Type YP-C For Copper

Material: Copper

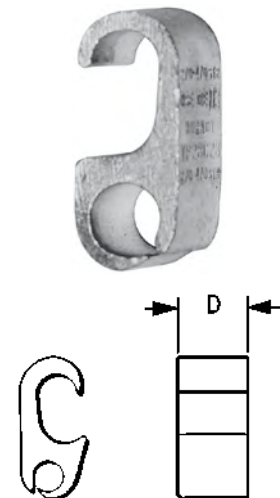
Figure "6" shaped, wide range-taking copper compression tap connector for primary service taps and secondary service drops. Connector can be gripped in tool and slipped over the line for easy installation.

Catalog Number	D	Run	Tap	Die Index	Tools, Die Set Catalog Number, & (# of Crimps) 35, 750 Series, Y45 †, 46 Series ‡
YP2C2	0.75	6 Sol. - 2 Str.	6 Sol. - 2 Str.	O	UO (1)
YP28C28	1.00	2/0 Sol. - 4/0 Str.	2/0 Sol. - 4/0 Str.	D	UD3 (1)
YP29C26	0.75	1/0 Sol. - 250	4 Sol. - 2/0 Str.		

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

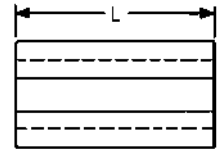


Aluminum CRIMPIT™ Connector, Type YC-A

For AAC (Stranded, Compressed, Compact), ACSR, AAAC

Material: Aluminum

Range-taking C-shaped aluminum compression tap or deadending connector designed to eliminate effects of cold flow. Can be gripped in tool and slipped over line for easy crimping. Pre-filled with PENETROX™ joint compound and stripealed to limit oxide growth and increase the life of the connection.



Catalog Number	Run		Tap		L	Die Index	Tools, Die Set Catalog Number, & (# of Crimps)	
	Aluminum	ACSR, 6201, 5005	Aluminum	ACSR, 6201, 5005			MD7, MD6	35, 750 Series, Y45 †, 46 Series ‡
YC4A6	6 Sol. - 4 Str.	6	6 Sol. & Str.	—	1-1/4"	5/8 or BG	BG (4) WBG (2)*	UBG (2)*
YC4A4			4 Sol. & Str.	6				
YC2A4	2 Sol. & Str.	4 - 2	4 Sol. & Str.	6	1-1/2"	C	WC (4)	UC (2)*
YC2A2			2 Sol. & Str.	4 - 2				
YC25A4	1/0 Str.	1/0	6 Str. - 4 Str.	6 - 4	1-1/2"	C	WC (4)	UC (2)*
YC25A2			2 Sol. & Str.	2	2-1/4"	C	WC (6)	UC (3)*
YC25A25			1/0 Str. - 2/0 Str.	1/0 Str. - 2/0 Str.	1/0	1-3/4"	Q	WQ (6)*
YC26A25	1/0 Str. - 2/0 Str.	1/0 - 2/0	1/0 Str.	1/0	2-1/2"	D**	—	UD (3)
YC26A26			2/0 Str.	2/0				
YC28A2	3/0 Str. - 4/0 Str.	3/0 - 4/0	6 Sol. - 2 Str.	6 - 2	2-3/4"	H	—	UH (3)
YC28A25			1/0 Str.	1/0				
YC28A26			2/0 Str.	2/0				
YC28A28			3/0 Str. - 4/0 Str.	3/0 - 4/0				
YC33R26	300 - 397.5	336.4 (18-1) (26-7)	2 Str. - 2/0 Str.	2 - 1/0	1-1/2"	R	—	UR (2)

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

** Index number "D" is not "D3" Cabelok CRIMPIT™ die.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

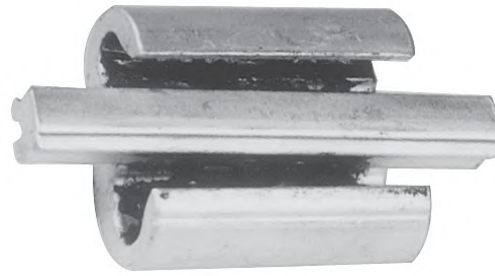
CABELOK™ CRIMPIT™ Connector, Type YP-U

For Copper, AAC (Stranded, Compressed, Compact),
ACSR, AAAC

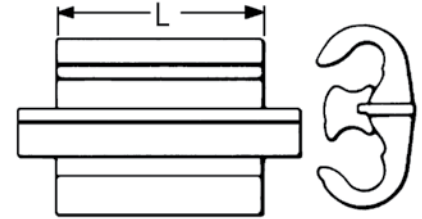


Material: Aluminum

Wide range-taking, universal, and reversible, Figure 3-shaped aluminum connector with adjustable overhanging spacer that separates conductors. Spacer holds run or tap in place permitting lineman to either approach the line ready to crimp, or to assemble connector and tap on run and then crimp. Massive aluminum design minimizes conductor corrosion due to galvanic action. Pre-filled with PENETROX™ joint compound and stripealed to limit oxide growth and increase the life of the connection. Conductor range and tooling information clearly printed on both connector and packaging.



RUS Accepted



Catalog Number	Conductor (See Chart Below for Compressed Conductor)						L	Die Index	Tools, Die Set Catalog Number, & (# of Crimps)	
	Groove A			Groove B					MD7, MD6	35, 750 Series, Y45 †, 46 Series ‡
	Solid	Stranded	ACSR	Solid	Stranded	ACSR				
YP2U3*	6, 4, 3, 2	6, 4, 3	6,4	6, 4, 3, 2	6, 4, 3	6,4	1-1/2"	O	WO (4)	UO (1)
YP26AU2	1, 1/0, 2/0, 3/0	2, 1, 1/0, 2/0	3, 2, 1, 1/0	6, 4, 3, 2, 1, 1/0	6, 4, 3, 2, 1	6, 4, 3, 2				
YP25U25**	2/0, 3/0	1, 1/0, 2/0	1, 1/0	2/0, 3/0	1, 1/0, 2/0	1, 1/0	1-5/8"	D3	MD6 (4)	UD3 (1)
YP27AU4	2/0, 3/0, 4/0	1,0, 2/0, 3/0	1/0, 2/0	6, 4, 3, 2	6, 4, 3	6, 4				
YP27AU2				2, 1, 1/0	3, 2, 1	4, 3, 2				
YP27AU26	3/0, 4/0	2/0, 3/0	2/0	2/0, 3/0	1/0, 2/0	1, 1/0, 2/0				
YP28U2	—	4/0	3/0, 4/0	2, 1, 1/0	4, 3, 2, 1	4, 3, 2				
YP28U26				2/0, 3/0	1/0, 2/0	1, 1/0, 2/0	3-1/2"	MD6 (9)	UD3 (2)	

Catalog Number	Compressed Conductor				L	Die Index	Tool, Die Set Catalog No., & (# of Crimps)	
	Groove A		Groove B				MD7, MD6	35, 750 Series, Y45 †, 46 Series ‡
	Stranded Aluminum	ACSR	Stranded Aluminum	ACSR				
YP2U3	6, 4, 3, 2	6, 4, 3	6, 4, 3, 2	6, 4, 3	1-1/2"	O	WO (4)	UO(1)
YP26AU2	2, 1, 1/0, 2/0	2, 1, 1/0, 2,0	6, 4, 3, 2, 1	6, 4, 3, 2, 1				
YP25U25	1/0, 2/0	1/0, 2/0	1/0, 2/0	1/0, 2/0	1-5/8"	D3	MD6 (4)	UD3 (1)
YP27AU4	2/0, 3/0	1/0, 2/0, 3/0	6, 4, 3	6, 4, 3				
YP27AU2			3, 2, 1	4, 3, 2, 1				
YP27AU26	3/0	2/0, 3/0	1/0, 2/0, 3/0	1/0, 2/0				
YP28U2	4/0, 250, 266.8	4/0, 266.8, (18/1)	3, 2, 1	4, 3, 2, 1				
YP28U26			1/0, 2/0, 3/0	1/0, 2/0	3-1/2"	MD6 (4)	UD3 (1)	
YP28U28			3/0, 4/0	3/0, 4/0	3/0, 4/0	2-3/4"	—	UD3 (2)

* TAKES UP to #2 ACSR maximum in either groove if other wire is #2 solid or smaller.

** TAKES DOWN to #2 ACSR minimum in either groove if other groove wire is 1/0 stranded or larger.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

Not recommended for copper to copper applications. Use a copper connector to increase connection life.

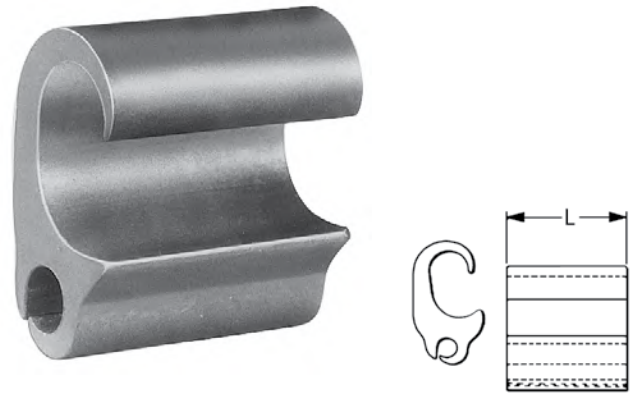
For faster installations use BURNDY® PATRIOT® family of battery tools.

Universal CRIMPIT™ Connector, Type YPC-U

For Copper, AAC (Stranded, Compressed, Compact),
ACSR, AAAC

Material: Aluminum

Extra wide range universal connector. Two dies and 5 connectors take run sizes from 1/0 to 600 kcmil and tap sizes #6 to 400 kcmil. Wide range acceptance made possible by long ram travel of BURNDY® HYPRESS™ tools. Figure 6-shape separates run and tap wires, minimizing galvanic corrosion of conductors. Connector can be gripped in tool and slipped over line for easy installation. Pre-filled with PENETROX™ joint compound and stripsealed to limit oxide growth and increase the life of the connection.



Ⓢ 2/0 Str. Cu Aluminum and 2/0 ACSR may also be installed in run when tap is 3/0 Str. or larger.
Ⓢ YPC28U4 only may be installed with MD6 HYTOOL™ and the BCT500HS with D3 groove.

† U Die with adapter PT-6515.

‡ U Die with adapter PUADP-1.

Not recommended for copper to copper applications.

Use a copper connector to increase connection life.

For faster installations use BURNDY® PATRIOT® family of battery tools.

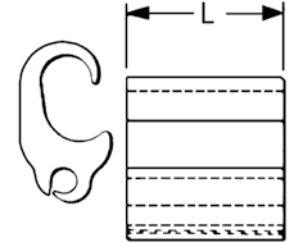
Catalog Number	Run		Tap		L	Die Index	Tools, Die Set Catalog Number, & (# of Crimps)		
	Aluminum & Copper	ACSR, 5005	Aluminum & Copper	ACSR, 5005			35, 750 Series	Y45 †	46 Series‡
YPC28U4	3/0 - 4/0 Str. & 4/0 - 250, 266.8 Alum. Compressed	3/0 - 4/0 & 4/0, 266.8 (18/1) ACSR Compressed	6, 4, 3 Str. 6, 4, 3, 2 Sol. & 6, 4, 3 Alum. Compressed	6, 4, 3 ACSR Compressed	1-5/8	D3 Ⓢ	UD3 (1)	UD3 (1)	UD3 (1)
YPC28U26	1/0 (7) - 4/0 (7)	1/0 - 4/0	3 Sol. - 2/0 (7)	4 - 1/0	2-3/4	D3	UD3 (2)	—	—
YPC28U28 Ⓢ	3/0 - 4/0 Str. 4/0 Sol. & 4/0, 250, 266.8 Alum. Compressed	3/0 - 4/0 Str. & 3/0, 4/0, 266.8 (18/1) ACSR Compressed	2/0 - 4/0 Str. 4/0 Sol. & 3/0, 4/0, 250, 266.8 Alum. Compressed	2/0 - 4/0 Str. & 3/0, 4/0, 266.8 (18/1) ACSR Compressed	2-3/4	D3	UD3 (2)	UD3 (2)	UD3 (2)
YPC28R28A	3/0 - 4/0 Str. & 4/0 - 250, 266.8 Alum. Compressed	3/0 - 4/0 & 4/0, 266.8 (18/1) ACSR Compressed	3/0 - 4/0 Str. & 4/0 Alum. Compressed	3/0 & 4/0 ACSR Compressed	2-3/4	D3	UD3 (2)	UD3 (2)	UD3 (2)
YPC33R26U	250 (37) - 400 (37)	266.8 (18-1) - 397.5 (18-1)	6 Sol. - 2/0 (19)	6 - 1/0	2-1/8	N	UN (2)	SN (2)	PN (2)
YPC33R28R	250 (37) - 477 (37)	266.8 (18-1) - 397.5 (18-1)	2/0 (19) - 4/0 (19)	2/0 - 4/0	8-7/8	N	UN (3)	SN (3)	PN (3)
YPC33R33R	250 (37) - 400 (37)	266.8 (18-1) - 397.5 (18-1)	250 (37) - 400 (37)	266.8 (18-1) - 397.5 (18-1)	8-7/8	N	UN (3)	SN (3)	PN (3)
YPC38R26U	477 (19) - 600 (61)	397.5 (26-7) - 556.5 (18-1)	6 Sol. - 2/0 (19)	6 - 1/0	2-1/8	N	UN (2)	SN (2)	PN (2)
YPC36A32	397.5 (19) - 600 (61)	336.5 (26-7) - 556.5 (18-1)	2/0 (7) - 400 (37)	2/0 (6-1) - 397.5 (18-1)	5	Z	—	SZ (3)	—
YPC36A36	397.5 (19) - 600 (61)	336.5 (26-7) - 556.5 (18-1)	397.5 (19) - 600 (61)	397.5 (26-7) - 556.5 (18-1)	6-3/4	Z	—	SZ (4)	—
YPC40A32	600 (61) - 800 (61)	556.6 (18-1) - 795 (26-7)	2/0 (7) - 400 (37)	2/0 (6-1) - 397.5 (18-1)	5	T	—	ST (3)	—
YPC40A36	600 (61) - 800 (61)	556.6 (18-1) - 795 (26-7)	397.5 (19) - 600 (61)	336.4 (26-7) - 556.5 (18-1)	5	T	—	ST (3)	—
YPC40A40	600 (61) - 954 (61)	556.6 (18-1) - 795 (26-7)	600 (61) - 954 (61)	556.5 (18-1) - 795 (26-7)	9-7/8	T	—	ST (6)	—

Universal CRIMPIT™ Connector, Type YC-U

For Copper, AAC (Stranded, Compressed, Compact), ACSR, AAAC

Material: Aluminum

Figure 6-shaped, wide range-taking aluminum compression tap connector for smaller primary service taps and secondary service drops. Minimizes galvanic corrosion of conductors. Connector can be gripped in tool and slipped over line for easy installation. Installed with aluminum CRIMPIT™ connector dies. Pre-filled with PENETROX™ joint compound and stripsealed to limit oxide growth and increase the life of the connection.



Catalog Number	Run		Tap		L	Die Index	Die Set Catalog No., & (# of Crimps) 35, 750 Series, Y45 †, 46 Series ‡
	Aluminum & Copper	ACSR, 6201, 5005	Aluminum & Copper	ACSR, 6201, 5005			
YC4U1	4 Sol. - 4 Str.	4	6 Sol. - 1 Str.	6 - 1 Str.	1-7/8	D*	UD (2)
YC1U1	2 Str. - 1 Str.	2					
YC28U26	1/0 Str. - 4/0 Str.	1/0 - 4/0	6 Sol. - 1/0 Str.	6 - 1/0	2-1/8	H	UH (2)
YC33R26U	300 - 400	266.8 (6-7) - 336.4 (30-7)				R	UR (2)

* Die Index "D" is not Die Index "D3" (CABLELOK™ & Universal CRIMPIT™ Die).

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

Not recommended for copper to copper applications. Use a copper connector to increase connection life.

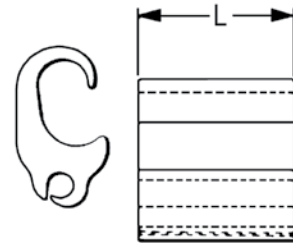
For faster installations use BURNDY® PATRIOT® family of battery tools.

Street Lighting Tap, Types YPC-A-U, YPC-R-U

For Copper, AAC (Stranded, Compressed, Compact), ACSR, AAAC

Material: Aluminum

Compact compression connector designed to tap small lighting wires from secondaries. Figure 6-shape separates run and tap, minimizing galvanic corrosion. Connector can be gripped in tool and slipped over line for easier installation. Pre-filled with PENETROX™ joint compound and stripsealed to limit oxide growth and to increase the life of the connection.



Catalog Number	Run				Tap	L	Die Index	Tools, Die Set Catalog Number, & (# of Crimps)		
	ACSR	Compressed ACSR	Aluminum & Copper	Compressed Aluminum	Aluminum & Copper			MD7, MD6	35 and 750 Series, Y45 †, Y46 ‡	OUR840
YPC2A8U	6 - 4	6 - 2	4 - 2 Sol. 6 - 2 Str.	4 - 2	14 Sol. - 8 Str.	5/8	BG or 5/8	BG (1) WBG (1)*	UBG (1)	XBG
YPC26R8U	2 - 3/0	1 - 3/0	1 - 3/0	1/0 - 3/0	14 Sol. - 8 Str.	3/4	O	WO (2)	UO (1)	WO

* Multiple crimp die set, makes more than one crimp per tool compression.

Figure indicates number of compressions.

Not recommended for copper to copper applications. Use a copper connector to increase connection life.

For faster installations use BURNDY® PATRIOT® family of battery tools.

CRIMPIT™ Connector Cover, Type CC

For all O, D, and N Die Tap Connectors

Material: Polyethylene

High density polyethylene cover accommodates most industry connectors in the O, D, and N range. Four sizes cover the full #6 to 600 kcmil conductor range. One piece design, no extra hardware needed. Simply slip over connector and snap shut. Supplied in black.



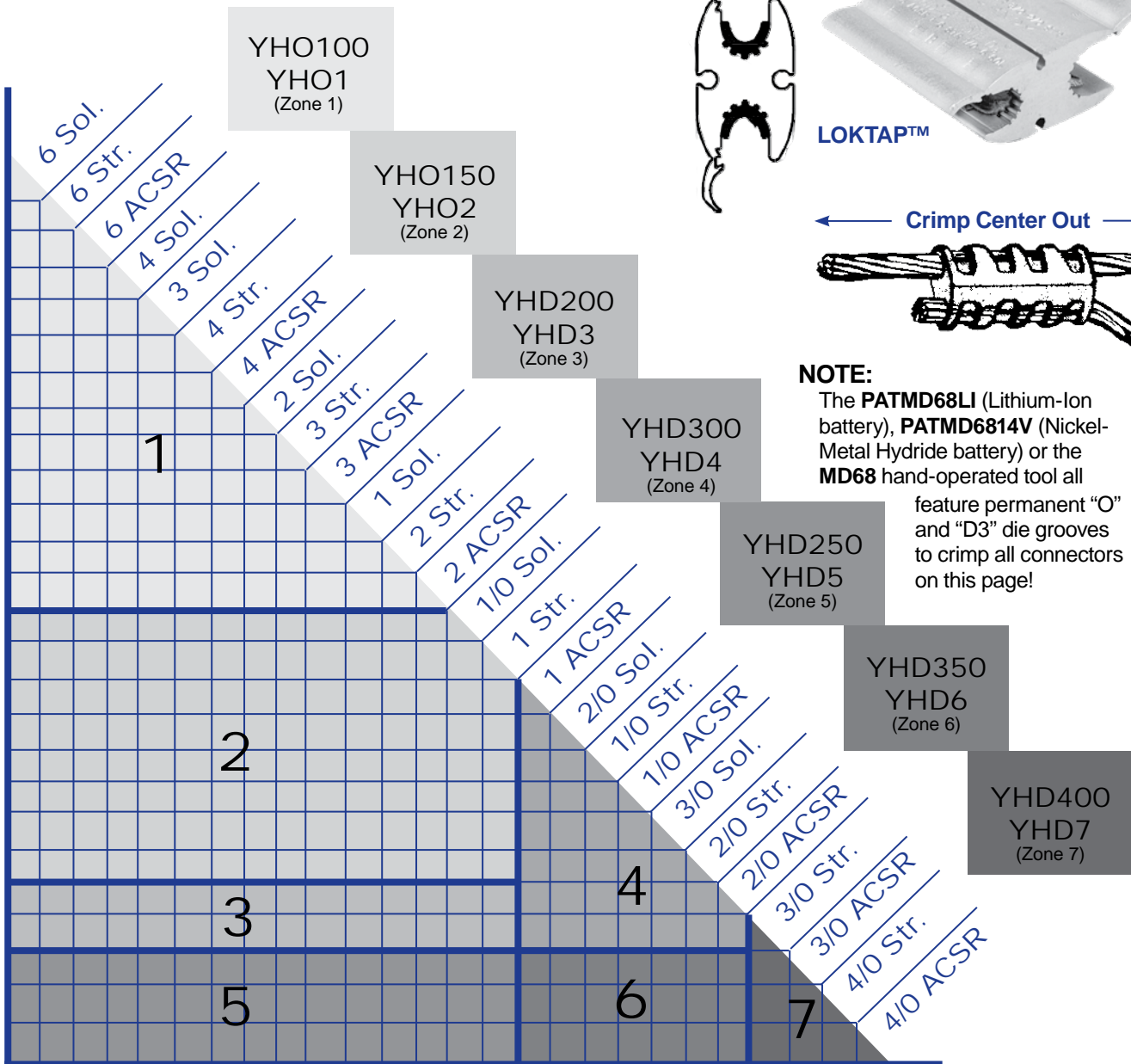
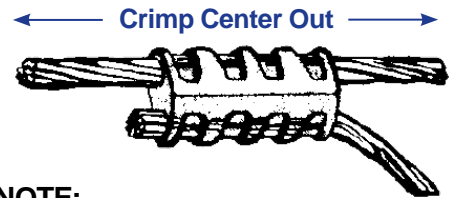
Catalog Number	Maximum Connector Length	Connector Series Accommodated
CCO	2-1/2	O Die
CCD	2-3/4	D Die
CCN	2-1/8	Short N Die
CCNL	5-3/16	Long N Die and YP28U26

3 Simple Selection Steps for BURNDY® HYCRIMP™ and LOKTAP™ Compression Tap Connectors:

1. Follow down from the smaller wire.
2. Go across from the larger wire.
3. Intersection of the two shows the proper connector.

Example:

#2 ACSR to #1/0 Stranded would fall in Zone 2; Catalog Number: YHO150 (HYCRIMP™) or YHO2 (LOKTAP™)



NOTE:

The PATMD68LI (Lithium-Ion battery), PATMD6814V (Nickel-Metal Hydride battery) or the MD68 hand-operated tool all

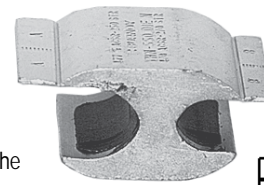
feature permanent “O” and “D3” die grooves to crimp all connectors on this page!

HYCRIMP™ H-Shaped Connector, Types YHO, YHD

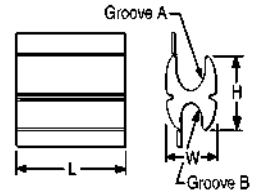
For Aluminum (Stranded, Compressed, Compact), Copper, ACSR, AAAC, Steel

Material: Aluminum

Wide range, universal, reversible, Figure H aluminum connector. Conductors are separated by the shape of the connector. Bendable tabs secure both run and tap conductors freeing lineman's hands to work with installation tool. Massive aluminum design minimizes corrosion due to galvanic corrosion. Pre-filled with PENETROX™ joint compound and stripsealed to limit oxide growth and increase life of the connection. Individually packaged; conductor ranges and tooling information clearly printed on connector and packaging.



RUS Accepted



Handtool or Hydraulic 7 Connector Program														
Catalog Number	Code No.	Conductors (See Below for Compact Conductors)								Dimensions			Installation Data	
		Groove A (Run)				Groove B (Tap)							Tool Series, Die Set Cat. No. & (# Crimps)	
		Wire Diameter Range	Sol.	Str.	ACSR	Wire Diameter Range	Sol.	Str.	ACSR	H	L	W	MD78 MD68	35, 750, Y45†, 46†
YHO100	1	0.162-0.332	#6 - #1	#6 - #1	#6 (6/1) - #2 (7/1)	0.162-0.332	#6 - #1	#6 - #1	6 (6/1) - 2 (7/1)	1.12	1.25	0.70	⊙ (4)	UO (2)
YHO150	2	0.260-0.419	#1 - 2/0	#3 - 2/0	#3 (6/1) - 1/0 (6/1)	0.162-0.332	#6 - 1/0	#6 - #1	6 (6/1) - 2 (7/1)	1.13	1.50	0.70	⊙ (5)	UO (2)
YHD200	5	0.398-0.470	3/0 - 4/0	2/0 - 3/0	1/0 (6/1) - 2/0 (6/1)	0.162-0.332	#6 - 1/0	#6 - #1	6 (6/1) - 2 (7/1)	1.45	1.62	0.89	⊙ (5)	UD3 (2)
YHD250	4	0.475-0.563	250 - 300	4/0	3/0 (6/1) - 4/0 (6/1)	0.162-0.332	#6 - 1/0	#6 - #1	6 (6/1) - 2 (7/1)	1.47	1.62	0.89	⊙ (5)	UD3 (2)
YHD300	4	0.336-0.470	2/0 - 4/0	#1 (3) - 3/0	#1 (6/1) - 2/0 (6/1)	0.336-0.447	2/0 - 3/0	#1 - 2/0	1 (6/1) - 2/0 (6/1)	1.42	1.62	0.89	⊙ (5)	UD3 (2)
YHD350	6	0.461-0.563	250 - 300	3/0 - 4/0	3/0 (6/1) - 4/0 (6/1)	0.336-0.447	2/0 - 3/0	#1 - 2/0	1 (6/1) - 2/0 (6/1)	1.42	2.25	0.89	⊙ (7)	UD3 (3)
YHD400	7	0.461-0.563	250 - 300	3/0 - 4/0	3/0 (6/1) - 4/0 (6/1)	0.461-0.563	250 - 300	3/0 - 4/0	3/0 (6/1) - 4/0 (6/1)	1.40	2.50	0.84	⊙ (7)	UD3 (3)

Compact Conductors								Installation Data		
Catalog Number	Code No.	Groove A (Run)			Groove B (Tap)			Tool Series, Die Set Catalog No. & (# of Crimps)		Die Index
		Wire Diameter Range	Compact ACSR	Compact CU or AL	Wire Diameter Range	Compact ACSR	Compact CU or AL	MD78 MD68	35, 750, Y45†, 46†	
YHO100	1	0.162-0.332	#6 - #1	#6 - #4 - #1	0.162-0.332	#6 - #1	#6 - #1	⊙ (4)	UO (2)	O
YHO150	2	0.260-0.419	#2 - 1/0	#2 - 2/0	0.162-0.332	#6 - #1	#6 - #1	⊙ (5)	UO (2)	O
YHD200	3	0.398-0.470	2/0 - 3/0	3/0	0.162-0.332	#6 - #1	#6 - #1	⊙ (5)	UD3 (2)	D3
YHD250	5	0.475-0.563	4/0 - 266.8	4/0 - 266	0.162-0.332	#6 - #1	#6 - #1	⊙ (5)	UD3 (2)	D3
YHD300	4	0.336-0.470	1/0 - 3/0	1/0 - 3/0	0.336-0.447	1/0 - 2/0	1/0 - 3/0	⊙ (5)	UD3 (2)	D3
YHD350	6	0.461-0.563	3/0 - 266.8	4/0 - 266	0.336-0.447	1/0 - 2/0	1/0 - 3/0	⊙ (7)	UD3 (3)	D3
YHD400	7	0.461-0.563	3/0 - 266.8	4/0 - 266	0.461-0.563	3/0 - 266.8	4/0 - 266	⊙ (7)	UD3 (3)	D3

Handtool or Hydraulic 4 Connector Program													
Catalog Number	Conductors (See Below for Compact Conductors)								Dimensions			Installation Data	
	Groove A (Run)				Groove B (Tap)							Tool Series, Die Set Cat. No. & (# of Crimps)	
	Wire Dia. Range	Sol.	Str.	ACSR	Wire Dia. Range	Sol.	Str.	ACSR	H	L	W	MD78 MD68	35, 750, Y45†, 46†
YHO125	0.162-0.398	#6 - 2/0	#6 - 1/0	6 (6/1) - 1/0 (6/1)	0.162-0.332	#6 - 1/0	6 - #1	#6 (6/1) - #2 (7/1)	1.15	1.62	0.70	O	UO (2)
YHD250	0.475-0.563	250 - 300	4/0	3/0 (6/1) - 4/0 (6/1)	0.162-0.332	#6 - 1/0	6 - #1	#6 (6/1) - #2 (7/1)	1.47	1.62	0.89	D3	UD3 (2)
YHD350	0.461-0.563	250 - 300	3/0 - 4/0	3/0 (6/1) - 4/0 (6/1)	0.336-0.447	2/0 - 3/0	#1 - 2/0	#1 (6/1) - 2/0 (6/1)	1.42	2.25	0.89	D3	UD3 (3)
YHD400	0.461-0.563	250 - 300	3/0 - 4/0	3/0 (6/1) - 4/0 (6/1)	0.461-0.563	4/0	3/0 - 4/0	3/0 (6/1) - 4/0 (6/1)	1.40	2.50	0.84	D3	UD3 (3)

Compact Conductors							Installation Data			
Catalog Number	Groove A (Run)			Groove B (Tap)			Tool Series, Die Set Catalog No. & (No. of Crimps)		Die Index	
	Wire Diameter Range	Compact ACSR	Compact CU or AL	Wire Diameter Range	Compact ACSR	Compact CU or AL	MD78 MD68	35, 750, Y45†, 46†		
YHO125	0.162-0.398	#6 - 2/0	#6 - 1/0	0.162-0.332	#6 - #1	#6 - #1	O	UO (2)	O	
YHD250	0.475-0.563	4/0 - 266.8	4/0 - 266	0.162-0.332	#6 - #1	#6 - #1	D3	UD3 (2)	D3	
YHD350	0.461-0.563	3/0 - 266.8	4/0 - 266	0.336-0.447	#1 - 2/0	1/0 - 3/0	D3	UD3 (3)	D3	
YHD400	0.461-0.563	3/0 - 266.8	4/0 - 266	0.461-0.563	3/0 - 266.8	4/0 - 266	D3	UD3 (3)	D3	

† U Die with adapter PT6515

‡ U Die with adapter PUADP1

⊙ See previous page for Seven Connector Selector Chart.

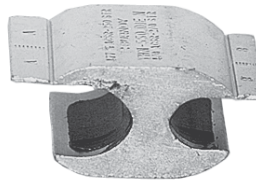
⊙ Permanent dies in tool install all sizes.

Not recommended for copper to copper applications. Use a copper connector to increase connection life.

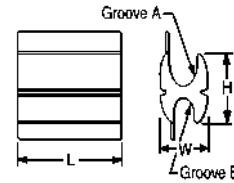
HYCRIMP™ Connector, Types YHN, YHR

For Aluminum (Stranded, Compressed, Compact), Copper, ACSR, AAAC, Steel

Material: Aluminum



RUS Accepted



N Die Connectors*													
Catalog Number	Conductors (See Below for Compact Conductors)							Dimensions			Installation Data		
	Groove A (Run)			Groove B (Tap)							Tool, Die Set Catalog No. & (# of Crimps)		
	Wire Diameter Range	Str.	ACSR	Wire Diameter Range	Sol.	Str.	ACSR	H	L	W	35 and 750 Series	Y45	46 Series
YHN450	0.522 - 0.743	4/0 - 400	4/0 (6/1) - 397.5 (18/1)	0.522 - 0.743	336 - 477	4/0 - 400	4/0 (6/1) - 397.5 (18/1)	1.86	3.50	1.25	U-N (3)	S-N (3)	P-N (3)
YHN500	0.522 - 0.814	4/0 - 500	4/0 (6/1) - 477.0 (18/1)	0.162 - 0.447	#6 - 3/0	#6 - 2/0	#6 (6/1) - 2/0 (6/1)	1.96	1.62	1.28	U-N (2)	S-N (2)	P-N (2)
YHN525	0.522 - 0.814	4/0 - 500	4/0 (6/1) - 477.0 (18/1)	0.522 - 0.814	-	4/0 - 500	4/0 (6/1) - 477.0 (18/1)	1.82	4.50	1.23	U-N (3)	S-N (3)	P-N (3)
YHN550	0.573 - 0.814	250 - 500	266.8 (18/1) - 477.0 (18/1)	0.410 - 0.563	3/0 - 300	2/0 - 4/0	2/0 (6/1) - 4/0 (6/1)	1.90	2.00	1.28	U-N (2)	S-N (2)	P-N (2)
YHN600	0.573 - 0.814	250 - 500	266.8 (18/1) - 477.0 (18/1)	0.574 - 0.684	336 - 400	250 - 350	266.8 (18/1) - 336.4 (18/1)	2.00	3.50	1.28	U-N (3)	S-N (3)	P-N (3)

Compact Conductors							Installation Data			
Catalog Number	Groove A (Run)			Groove B (Tap)			Die Index	Tool, Die Set Catalog No. & (# of Crimps)		
	Wire Diameter Range	Compact ACSR	Compact CU or AL	Wire Diameter Range	Compact ACSR	Compact CU or AL		35 and 750 Series	Y45	46 Series
YHN450	0.522 - 0.743	266.8 - 477	250 - 500	0.522 - 0.743	266.8 - 477	250 - 500	N	UN (3)	SN (3)	PN (3)
YHN500	0.522 - 0.814	266.8 - 556.5	250 - 556	0.162 - 0.447	#6 - 2/0	#6 - 3/0	N	UN (2)	SN (2)	PN (2)
YHN525	0.522 - 0.814	266.8 - 556.5	250 - 556	0.522 - 0.814	266.8 - 556.5	250 - 556	N	UN (3)	SN (3)	PN (3)
YHN550	0.573 - 0.814	300 - 556.5	300 - 556	0.410 - 0.563	2/0 - 266.8	3/0 - 266.8	N	UN (2)	SN (2)	PN (2)
YHN600**	0.573 - 0.814	300 - 556.5	300 - 556	0.574 - 0.684	300 - 397.5	300 - 397.5	N	UN (3)	SN (3)	PN (3)

R Die Connectors*												
Catalog Number	Conductors (See Below for Compact Conductors)							Dimensions			Tool, Die Set Catalog No. & (# of Crimps)	
	Groove A (Run)			Groove B (Tap)							Y45	46 Series
	Wire Diameter Range	Str.	ACSR	Wire Diameter Range	Sol.	Str.	ACSR	H	L	W		
YHR700	.666 - .893	336 - 600	300 - 556 (18/1)	.398 - .684	3/0 - 350	2/0 - 350	1/0 - 336.4 (18/1)	3.04	3.50	1.74	SKR (3)	PKR (3)
YHR750	.666 - .893	336 - 600	300 - 556 (18/1)	.666 - .893	N/A	350 - 600	300 - 556 (18/1)	3.04	4.62	1.74	SKR (4)	PKR (4)
YHR800	.879 - 1.108	600 - 900	556.5 (18/1) - 795 (26/7)	.398 - .684	3/0 - 350	2/0 - 350	1/0 - 336.4 (18/1)	3.05	3.50	1.74	SKR (3)	PKR (3)
YHR850	.879 - 1.108	600 - 900	556.5 (18/1) - 795 (26/7)	.666 - .893	N/A	350 - 600	300 - 556 (18/1)	3.04	4.62	1.74	SKR (4)	PKR (4)
YHR900	.879 - 1.108	600 - 900	556.5 (18/1) - 795 (26/7)	.879 - 1.108	N/A	600 - 900	556.5 (18/1) - 795 (26/7)	2.97	4.62	1.74	SKR (4)	PKR (4)
YHR950	.666 - 1.165	336 - 1000	336.4 (18/1) - 954 (45/7)	.666 - 1.165	N/A	336 - 1000	336.4 (18/1) - 954 (45/7)	3.14	6.00	1.66	SKR (5)	PKR (5)

Compact Conductors							Installation Data		
Catalog Number	Groove A (Run)			Groove B (Run)			Die Index	Tool, Die Set Catalog No. & (# of Crimps)	
	Wire Diameter Range	Comp. ACSR	Compact CU or AL	Wire Diameter Range	Comp. ACSR	Compact CU or AL		Y45	46 Series
YHR700	.666 - .893	397 - 636	477 - 636	.398 - .684	2/0 - 397 (18/1)	3/0 - 397.5	KR	SKR (3)	PKR (3)
YHR750	.666 - .893	397 - 636	477 - 636	.666 - .893	397 - 636	477 - 636	KR	SKR (4)	PKR (4)
YHR800	.879 - 1.108	795 - 954	795 - 954	.398 - .684	2/0 - 397 (18/1)	3/0 - 397.5	KR	SKR (3)	PKR (3)
YHR850	.879 - 1.108	795 - 954	795 - 954	.666 - .893	397 - 636	477 - 636	KR	SKR (4)	PKR (4)
YHR900	.879 - 1.108	795 - 954	795 - 954	.879 - 1.108	795 - 954	795 - 954	KR	SKR (4)	PKR (4)
YHR950	.666 - 1.165	-	-	.666 - 1.165	N/A	-	KR	SKR (5)	PKR (5)

* HYCRIMP™ connectors can be installed with competitor R dies.

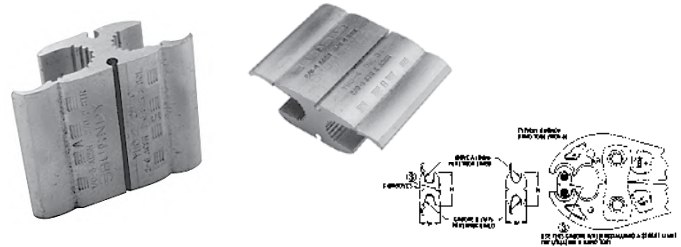
** Die Index ST and SZ may also be used on sizes 700 - 900 only. SKR required for 950 and S-Z.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Not recommended for copper to copper applications. Use a copper connector to increase connection life.

LOKTAP™ Connector, Types YHO, YHD
For Aluminum, Copper

LOKTAP™ compression connectors are high quality, range-taking devices which accommodate combinations of aluminum to copper, and aluminum to aluminum conductors. BURNDY® seven connector program accommodates a conductor range from #6 Solid to 4/0 ACSR. In addition, LOKTAP™ connectors are designed to be installed with BURNDY® mechanical or hydraulic tools and matching O and D3 die set.



Handtool or Hydraulic 7 Connector Program ①														
Catalog Number	① Code No.	Conductors (See Below for Compact Conductors)								Dimensions			Installation Data Tool, Die Set Catalog No. & (# of Crimps)	
		Groove A (Run)				Groove B (Tap)								
		Wire Diameter Range	Sol.	Str.	ACSR	Wire Diameter Range	Sol.	Str.	ACSR	H	L	W	② MD7, MD6	35, 750 Series Y45†, 46†
YHO1	1	0.162 - 0.328	#6 - #1	#6 - #1	#6 - #2	0.162 - 0.328	#6 - #1	#6 - #1	#6 - #2	1.11	1.25	0.67	(4)	UO (2)
YHO2	2	0.260 - 0.419	#1 - 2/0	3 - 2/0	#3 - 1/0	0.162 - 0.332	#6 - 1/0	#6 - #1	#6 - #2	1.12	1.50	0.64	(5)	UO (2)
YHD3	3	0.398 - 0.470	3/0 - 4/0	2/0 - 3/0	1/0 - 2/0	0.162 - 0.332	#6 - 1/0	#6 - #1	#6 - #2	1.47	1.88	0.76	(5)	UD3 (2)
YHD4	4	0.336 - 0.470	2/0 - 4/0	1 - 3/0	#1 - 2/0	0.336 - 0.477	2/0 - 3/0	#1 - 2/0	#1 - 2/0	1.42	1.88	0.83	(5)	UD3 (2)
YHD5	5	0.475 - 0.563	250 - 300	4/0	3/0 - 4/0	0.162 - 0.332	#6 - 1/0	#6 - #1	#6 - #2	1.47	1.88	0.87	(5)	UD3 (2)
YHD6	6	0.461 - 0.563	250 - 300	3/0 - 4/0	3/0 - 4/0	0.336 - 0.447	2/0 - 3/0	#1 - 2/0	#1 - 2/0	1.42	2.25	0.83	(6)	UD3 (3)
YHD7	7	0.461 - 0.563	250 - 300	250 - 300	3/0 - 4/0	0.461 - 0.563	200 - 300	3/0 - 4/0	3/0 - 4/0	1.40	2.52	0.84	(7)	UD3 (3)

Compact Conductors								Installation Data		
Catalog Number	① Code No.	Groove A (Run)			Groove B (Tap)			Tool Series, Die Set Catalog No. & (# of Crimps)		Die Index
		Wire Diameter Range	Compact ACSR	Compact CU or AL	Wire Diameter Range	Compact ACSR	Compact CU or AL	② MD7, MD6	35, 750, Y45†, 46†	
YHO1	1	0.162 - 0.328	#6 - #1	#6 - #1	0.162 - 0.328	#6 - #1	#6 - #1	(4)	UO (2)	O
YHO2	2	0.260 - 0.419	#2 - 1/0	#2 - 2/0	0.162 - 0.332	#6 - #1	#6 - #1	(5)	UO (2)	O
YHD3	3	0.398 - 0.470	2/0 - 3/0	3/0	0.162 - 0.332	#6 - #1	#6 - #1	(5)	UD3 (2)	D3
YHD4	4	0.336 - 0.470	1/0 - 3/0	1/0 - 3/0	0.338 - 0.447	1/0 - 2/0	1/0 - 3/0	(5)	UD3 (2)	D3
YHD5	5	0.475 - 0.563	4/0 - 266	4/0 - 266	0.162 - 0.332	#6 - #1	#6 - #1	(5)	UD3 (2)	D3
YHD6	6	0.461 - 0.563	3/0 - 266.8	4/0 - 266	0.338 - 0.447	1/0 - 2/0	1/0 - 3/0	(6)	UD3 (3)	D3
YHD7	7	0.461 - 0.563	3/0 - 266.8	4/0 - 266	0.461 - 0.563	3/0 - 266.8	4/0 - 266	(7)	UD3 (3)	D3

Handtool or Hydraulic 4 Connector Program													
Catalog Number	Conductors (See Below for Compact Conductors)								Dimensions			Installation Data Tool, Die Set Catalog No. & (# of Crimps)	
	Groove A (Run)				Groove B (Tap)								
	Wire Dia. Range	Sol.	Str.	ACSR	Wire Dia. Range	Sol.	Str.	ACSR	H	L	W	35, 750, Y45†, 46†	
YHO125	0.162 - 0.398	#6 - 2/0	#6 - 1/0	#6 - 1/0	.162 - .332	#6 - 1/0	#6 - #1, 19 Str.	#6 - #2	1.15	1.62	0.70	UO (2)	
YHD5	0.475 - 0.563	250 - 300	4/0	3/0 (6/1) - 4/0 (6/1)	0.162 - 0.332	#6 - 2	#6 - 1/0	#6 - #1	1.47	1.88	0.87	UD3 (2)	
YHD6	0.461 - 0.563	250 - 300	3/0 - 4/0	3/0 (6/1) - 4/0 (6/1)	0.336 - 0.447	#1 - 2/0	2/0 - 3/0	#1 - 2/0	1.42	2.25	0.83	UD3 (3)	
YHD7	0.461 - 0.563	250 - 300	250 - 300	3/0 (6/1) - 4/0 (6/1)	0.461 - 0.563	3/0 - 4/0	200 - 300	3/0 - 4/0	1.40	2.52	0.84	UD3 (3)	

Compact Conductors							Installation Data	
Catalog Number	Groove A (Run)			Groove B (Tap)			Tool, Die Set No. & (# of Crimps)	Die Index
	Wire Dia. Range	Compact ACSR	Compact CU or AL	Wire Dia. Range	Compact ACSR	Compact CU or AL		
YHO125	0.162 - 0.398	#6 - 2/0	#6 - 1/0	.126 - .332	#6 - #1	#6 - #1	UO (2)	O
YHD5	0.475 - 0.563	4/0 - 266	4/0 - 266	.162 - 0.332	#6 - #1	#6 - #1	UD3 (2)	D3
YHD6	0.461 - 0.563	3/0 - 266.8	4/0 - 266	.338 - 0.447	1/0 - 2/0	1/0 - 3/0	UD3 (3)	D3
YHD7	0.461 - 0.563	3/0 - 266.8	4/0 - 266	.461 - 0.563	3/0 - 266.8	4/0 - 266	UD3 (3)	D3

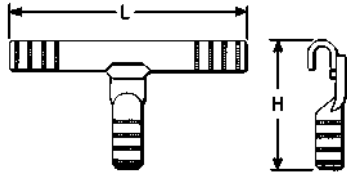
① See page H-27 for Seven Connector Selector Chart.
 ② PERMANENT DIES IN TOOL INSTALL ALL SIZES.
 ③ "C" grooves accommodate #10 Sol.-#14 Sol. range, .116"-.064". No "C" grooves on Cat. #YHO125. When utilizing "C" groove(s) apply PENETROX™ A13 prior to wire installation. If utilizing two (2) "C" groove taps, installation to be made with HYDRAULIC TOOL ONLY. All four (4) grooves CANNOT be utilized if using a hand tool. When hand tool is used, only one (1) "C" groove can be used; connector MUST be positioned as shown in drawing.

† U Die with adapter PT651S.
 ‡ U Die with adapter PUADP1.

HYTEE™ T-Tap Connector, Type YCT For Copper

Material: Tin Plated Copper

One-piece, copper compression tap connector with U-shaped run element and tubular tap for joining hard and medium-hard drawn copper. Preformed run element simplifies installation on larger conductors. Uses same die as equivalent full-tension sleeve.



Conductors			H	L	Die Index	Run		Tap	
Catalog Number	Run	Tap				Tool Series, Die Set Catalog Number, & (Crimps per End)			
						MD7, MD6	35, 750, Y45 †, 46 ‡	MD6	35, 750, Y45 †, 46 ‡
YCT2626	2/0 (7, 12, 19)	2/0 (7, 12, 19)	3.26"	5.62"	166	W166 (4)	U166/U459 (2)	W166 (6)	U-166 (3)
YCT2828	4/0 (7, 12, 19)	4/0 (7, 12, 19)	4.00"	5.72"	168	—	U168(2)	—	U-168 (3)

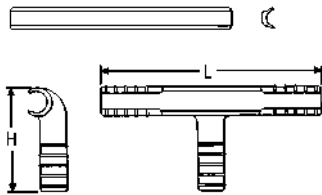
† U Die with adapter PT6515.
‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

HYTEE™ T-Tap Connector, Type YOT For Copper

Material: Tin Plated Copper

Cast copper T-tap connector with two-piece line element and tubular tap for joining hard and medium drawn copper. Design simplifies installation on large conductors. Uses same die as equivalent sleeve.



Catalog Number	Run	Tap	H	L	Die Index	Run		Tap	
						Tool Series, Die Set Catalog Number, & (Crimps per End)			
						35, 750, Y45 †, 46 ‡	Y60B	35, 750, Y45 †, 46 ‡	60
YOT3434	500 (19, 37)	500 (19, 37)	4.82"	10.38"	210	U210 (6)	L210 (2)	U210 (6)	L210 (2)

† U Die with adapter PT6515.
‡ U Die with adapter PUADP1.

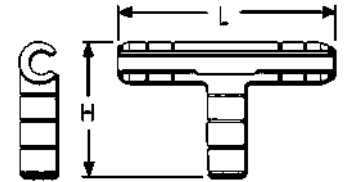
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T-Tap Connector, Type YTU-R-R

For Copper, AAC (Stranded, Compressed, Compact),
ACSR, AAAC

Material: Aluminum

One-piece heavy-wall aluminum compression tap connector for secondary service drop and transformer tap to primary or secondary. Connector can be gripped in tool for easy installation. Pre-filled with PENETROX™ joint compound, stripsealed and capped to limit oxide growth and to increase the life of the connection.



Catalog Number	Run			Tap			H	L	Tool Series, Die Set Catalog Number, & (Crimps per End)													
	ACSR, 6201, 5005	Aluminum	Copper	ACSR, 6201, 5005	Aluminum	Copper			Run			Tap										
									Die Index	MD7, MD6	35, 750, Y45†, 46 Series‡	Die Index	MD7, MD6	35, 750, Y45, 46 Series‡								
YTU25R4W	1/0 80 (8-1)	1/0 (7, 19)	1/0 (7, 12, 19)	#6	#4 (7) #4 SLD	#4 (7) #4 Sol.	2-3/8	4-7/8	C	WC (2)	UC (1)*	BG	BG (3) WBG (1)*	UBG (1)*								
YTU25R25R				1/0 80 (8-1)	1/0 (7, 19)	—																
YTU26R26R	2/0	2/0 (7, 19)	2/0 (7, 12, 19)	2/0	2/0 (7, 19)	2/0 (7, 12, 19)	3-3/8	7	L	WL (4)	UL (2)	L	—	UL (2)								
YTU27R27R	3/0	3/0 (7, 19)	3/0 (7, 12, 19)	3/0	3/0 (7, 19)	3/0 (7, 12, 19)																
YTU28R28R	4/0	4/0 (7, 19)	4/0 (7, 12, 19)	4/0	4/0 (7, 19)	4/0 (7, 12, 19)																
YTU30R30R	266.8 (18-1, 26-7, 6-7)	266.7 (7, 19, 37) 250 (19, 37) 300 (19, 37)	250 (12, 19, 37) 300 (19, 37)	266.8 (18-1, 26-7, 6-7)	266.7 (7, 19, 37) 250 (19, 37) 300 (19, 37)	250 (12, 19, 37)									4-3/8	8-3/4	M	—	—	M	—	UM (3)
YTU321R2R	300 (26-7) 336.4 (18-1)	350 (19, 37) 336.4 (19, 37)	350 (19, 37)	2	2 (7 STR.)	2 (3, 7 Str.)	2-5/8	6-5/8	M	—	UM (3)	BG	BG (3) WBG (1)*	UBG (1)*								
YTU321R26R				2/0	2/0 (7, 19)	2/0 (7, 12, 19)	3-1/2	8-5/8	M						L	—	UL (2)					
YTU321R27R				3/0	3/0 (7, 19)	3/0 (7, 12, 19)																
YTU321R28R				4/0	4/0 (7, 19)	4/0 (7, 12, 19)												8-3/5	M	M	—	UM (3)
YTU321R321R				336.4 (18-1) 300 (26-7)	336.4 (19, 37) 350 (19, 37)	350 (19, 37)												—	—			
YTU33R26R				336.4 (30.7) (26-7) 397.5 (18.1)	397.5 (19, 37) 400 (19, 37)	400 (19, 37)	2/0	2/0 (7, 19)	2/0 (7, 12, 19)						3-1/2	8-5/8	M	L	—	UL (2)		
YTU33R28R	4/0	4/0 (7, 19)	4/0 (7, 12, 19)				M	L	—	UL (2)												
YTU33R33R	336.4 (30-7, 26-7) 397.5 (181)	397.5 (19, 37) 400 (19, 37)	400 (19, 37)				4-3/8				8-3/4	M	M	—	UM (3)							

* Multiple crimp die set, makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515

‡ U Die with adapter PUADP1.

Not recommended for copper to copper applications. Use a copper connector to increase connection life.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Disconnectable T-Tap with Pad, Type YTA-R-2N

For Copper, AAC (Stranded, Compressed, Compact),
ACSR, AAAC

Material: Aluminum

Aluminum primary T-Tap connector with slotted tap pad designed for easy disconnecting of tap conductor. Tap pad accommodates compression terminals Types YKA-R-2N and YKA-A-2N and has positioning socket for proper alignment. On sizes larger than 336.4 ACSR, the Type YTA-R-2N run element has two piece interlocking key with lifting eye to simplify hotline installations. Catalog number does not include mating terminal.

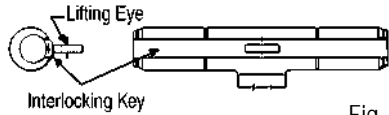


Fig. 2

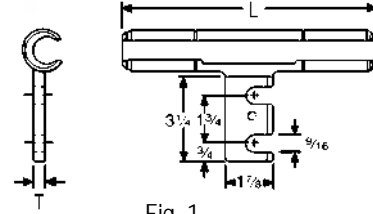


Fig. 1

Catalog Number	ACSR, 6201, 5005	Copper	Aluminum	Fig. No.	L	T	Die Index	Tool Series, Die Set Catalog Number, & (# of Crimps per End)				
								MD7, MD6	35, 750	Y45 †	46 ‡	60
YTA2R2N	2	2 (3, 7) 1 (7)	2 (7) 1 (7)	1	6-1/8	3/8	BG or 243	BG (2) W-BG (1)* W243 (2)	U-BG (1)* U243 (1)			
YTA25R2N	1/0	1/0 (7, 12, 19)	1/0 (7, 19)	1				247 C 659	W-C (4) W247 (1)	U659 (1) U-C (1) U247 (1)		
YTA26R2N	2/0	2/0 (7, 12, 19)	2/0 (7, 19)	1	7-7/8		L or 251	W-L (4)	U-L (2) U251 (3)			
YTA27R2N	3/0	3/0 (7, 12, 19)	3/0 (7, 19)	1								
YTA28R2N	4/0	4/0 (7, 12, 19)	4/0 (7, 19)	1								
YTA321R2N	300 (26-7) 336.4 (18-1)	350 (19, 37)	336.4 (19, 37, 61) 350 (19, 37, 61)	1	9-1/2	1/2	M		U-M (3) U317 (4)			
YTA33R2N	336.4 (26-7, 30-7) 397.5 (18-1)	400 (19, 37)	397.5 (19, 37, 61) 400 (19, 37, 61)	1								
YTA361R2N	477 (18-1)	—	—	2	13-1/8			—				
YTA37R2N	477 (24-7, 26-7, 30-7)	—	556.6 (19, 37)	2						U-M (5)		
YTA39R2N	556.5 (24-7, 26-7)	—	636 (37) 650 (61)	2	16-1/4				U608 (9)			L608 (3)
YTA43R2N	605 (30-19) 605 (30-9) 636 (24-7, 26-7, 30-19) 666.6 (24-7)	—	795 (37, 61)	2	16-1/2	3/4	292 or 319	—		S929 (9) S319 (9)	P929 (9) P319 (9)	L929 (9) P319 (9)
YTA391A2N	—	—	795 (37, 61)	2						342		S342 (9)	P342 (9)	L342 (9)

* Multiple crimp die set, makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

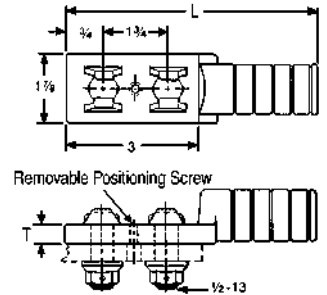
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Disconnectable Terminal with Fixed Hardware Types YKA-R-2N, YKA-A-2N

For AAC (Stranded, Compressed, Compact), Copper, ACSR, AAAC

Material: Aluminum

Aluminum compression terminal with fixed hardware and positioning pin for making disconnectable tap or jumper connections. Used with slotted YTA-R-2N T-Tap or YSA-R-2N terminal. Supplied with aluminum bolts and washer-face, self locking nuts. Prefilled with PENETROX™ joint compound, capped, and stripsealed to limit oxide growth and to increase the life of the connection.



Catalog Number	ACSR, 6201, 5005	Copper	Aluminum	L	T	Bolt Length	Die Index	Tool Series, Die Set Catalog Number, & (Number of Crimps per End)						
								MD7, MD6	35, 750	Y45 †	46 ‡	60 Series		
YKA2R2N	2	1 (7) 2 (3, 7)	1 (7) 2 (7)	5-1/2	3/8	1-3/4	BG or 243	BG (8) WBG (4)* W243 (4)	UBG (3)* U243 (2)	—	—	—		
YKA25R2N	1/0	1/0 (7, 19)	1/0 (7, 19)	5-5/8			C or 659	WC (6)	UC (3)* U629 (2)	—	—	—		
YKA26R2N	2/0	2/0 (7, 19)	2/0 (7, 19)	6			3/8	1-3/4	L or 251	—	UL (2) U251 (3)	—	—	—
YKA27R2N	3/0 110.8 (12-7)	3/0 (7, 19)	3/0 (7, 19)											
YKA28R2N	4/0	4/0 (7, 19)	4/0 (7, 19)											
YKA30R2N	266.8 (18-1, 6-7, 26-7)	250 (12, 19, 37) 300 (19, 37)	250 (7, 37) 266 (19)	7-1/4			3/8	1-3/4	M or 317	—	UM (3) U317 (4)	—	—	—
YKA321R2N	336.4 (18-1) 300 (26-7)	350 (19, 37)	300 (37, 61) 350 (37, 61)											
YKA33R2N	336.4 (26-7, 30-7) 397.5 (18-1)	—	397.5 (19) 400 (37)											
YKA361R2N	397.5 (26-7, 30-7) 477 (18-1)	—	477 (19, 37) 500 (37, 61)											
YKA37R2N	477 (24-7, 26-7, 30-7)	—	556.5 (19, 37)	7-3/8			3/8	1-3/4	M	—	UM (3)	—	—	—
YKA34CA2N	397.5 (26-7, 30-7) 477 (18-1)	500 (19, 37)	477 (19, 37) 500 (37, 61)	—										
YKA391A2N	—	—	795 (37, 61)	9-1/2										
					3/4	2-1/2	342	—	—	S342 (6) S579 (6)	P342 (6) P579 (6)	L352 (9) L579 (9)		

* Multiple crimp die set, makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

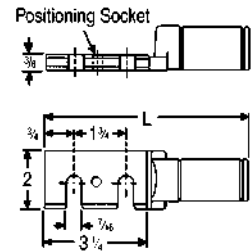
For faster installations use BURNDY® PATRIOT® family of battery tools.

Disconnectable Terminal with Slotted Pad, Type YSA-R-2N

For AAC (Stranded, Compressed, Compact), Copper, ACSR, AAAC

Material: Aluminum

Aluminum compression terminal with slotted pad and positioning socket for making disconnectable tap or jumper connections. Used with Type YKA-R-2N fixed hardware terminal. Pre-filled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and to increase the life of the connection.



Catalog Number	ACSR, 6201, 5005	Copper	Aluminum	L	Die Index	Tool Series, Die Set Catalog Number, & (Number of Crimps)	
						MD7, MD8	35, 750, Y45 †, 46 ‡
YSA2R2N	2	2 (3, 7) 1 (7)	2 (7) 1 (7)	6-1/4	BG or 243	BG (8) WBG (4)* W243 (4)	UBG (3)* U243 (2)
YSA25R2N	1/0	1/0 (7, 19)	1/0 (7, 19)		C or 659	—	—
YSA26R2N	2/0	2/0 (7, 19)	2/0 (7, 19)	6-5/8	L or 251	—	UL U251
YSA28R2N	4/0	4/0 (7, 19)	4/0 (7, 19)				
YSA30R2N	266.8 (18-1, 6-7, 26-7)	250 (12, 19, 37) 300 (19, 37)	250 (37) 266.8 (7, 19)	7-3/4	M or 317	—	UM (3) U317 (4)
YSA321R2N	336.4 (18-1) 300 (26-7)	350 (19, 37)	300 (37, 61) 350 (37, 61)				
YSA37R2N	477 (24-7, 26-26-7, 30-7)	—	556.5 (19, 37)	7-7/8	M	—	UM (3)

* Multiple crimp die set, makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Disconnectable T-Tap, Type YTA-2N

For Copper

Material: Copper

Cast copper primary T-Tap connector with slotted tap pad for easy disconnecting of tap conductor. Tap pad accommodates compression terminal Type YKA-2N. On sizes larger than 4/0, the YTA-2N run element has a two-piece, interlocking key with lifting eye that simplifies hot installations. Catalog number does not include terminal or hardware.

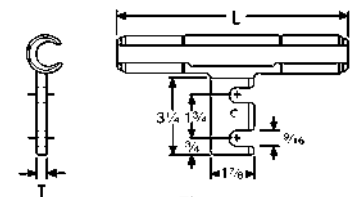
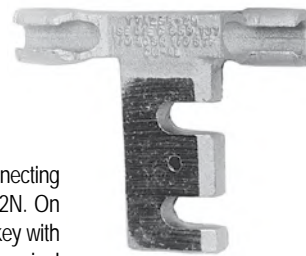


Fig. 1

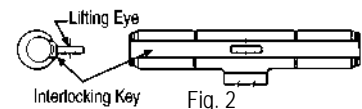


Fig. 2

Catalog Number	Conductor	Fig. No.	C	L	T	Die Index	Tool Series, Die Set Catalog Number, & (Number of Crimps)		
							MD7, MD6	35, 750, Y45, 46	60
YTA2C2N	2 (7)	1	1-1/2	5-5/8	3/8	163	W163 (3) Crimps Overlap	U163 (1)*	—
YTA262N	2/0 (7, 19)			7-3/8		166	W166 (6)	U166 (3)	—
YTA282N	4/0 (7, 12, 19)			7-5/8		168	—	U168 (4)	—
YTA342N	500 (19, 37, 61)	2	2	11-7/8	1/2	210	—	U210 (6)	L210 (2)

* Multiple crimp die set, makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

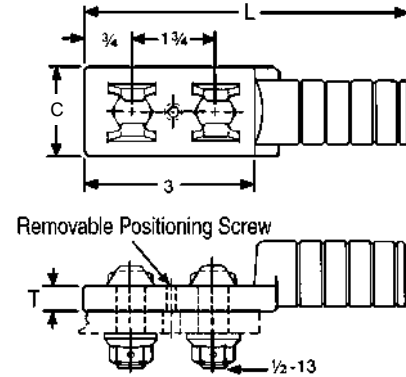
For faster installations use BURNDY® PATRIOT® family of battery tools.

Disconnectable Terminal with Fixed Hardware Type YKA-R-2N

For Copper

Material: Tin Plated Copper

Tin-plated copper compression terminal with fixed hardware for making disconnectable tap or jumper connections. Used with slotted Type YTA-2N T-tap or Type YSA-R-2N terminal. Supplied with tin-plated DURIMUM™ bolts and washer-face nuts.



Catalog Number	Conductor	C	L	T	Die Index	Tool Series, Die Set Catalog Number, & (Number of Crimps)		
						MD7, MD6	35, 750, Y45†, 46‡	60 Series
YKA6C2N	6 (7)	7/8	5	3/8	163	W163 (2) Crimps Overlap	U163 (1)*	—
YKA2C2N	2 (7)							
YKA262N	2/0 (7, 19, 37)	1	5-1/4	1/4	166	W166 (4)	U166 (3)	
YKA282N	4/0 (7, 12, 19, 37)	1-1/4	5-3/8	3/8	168	—	U168 (3)	L168 (1)
YKA302N	300 (19, 37, 61)	1-1/2	5-1/2		170		U170 (5)	L170 (1)
YKA342N	500 (19, 37, 61)	1-7/8	6-1/2	210	U210 (6)		L210 (2)	
YKA442N	1000 (61)	2	7-5/8	345	—		L345 (4)	

* Multiple crimp die set, makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

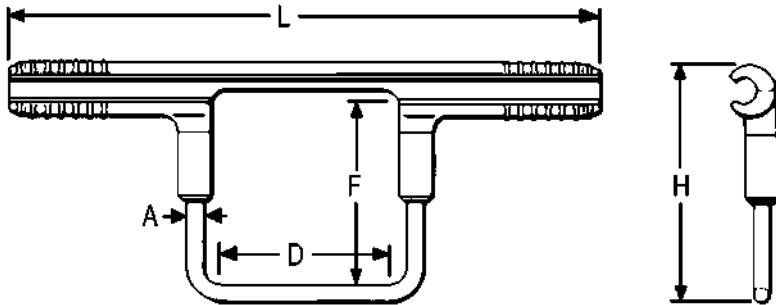
‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

STIRRUP™ Hot-Line Clamp Adapters, Type YCB-R For AAC (Stranded, Compressed, Compact), ACSR, AAAC

Material: Aluminum; Tin Plated Copper Bail

Permanent compression hot-line clamp adapter with aluminum run and copper bail. Accommodates any standard copper hot-line clamp on bail elements. Permits hot-line tapping without arcing or chafing damage to aluminum conductor. Installed with standard tools and dies. Prefilled with PENETROX™ joint compound and stripsealed to limit oxide growth and increase the life of the connection.



Catalog Number	Aluminum	ACSR, 6201, 5005	A	H	L	D	F	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)	
									MD7, MD6	35, 750, Y45 †, 46 ‡
YCB2R	2 Str. - 6 Sol.	2-4	2 Sol.	3-3/4	9	2-1/2	2-1/2	BG	BG (6) WBG (2)*	UBG (2)*
YCB25R	1/0 (7, 19)	1/0 - 80 (8-1)	2 Sol.	5	9-3/4	2-1/2	3-1/2	C	WC (4)	UC (2)*
YCB26R	2/0 (7, 19)	2/0	1/0 Sol.	5	11-1/8	3-1/2	3-1/2	L	WL (4)	UL (2)
YCB27R	3/0 (7, 19)	3/0	1/0 Sol.	5	11-1/8	3-1/2	3-1/2	L	WL (4)	UL (2)
YCB28R	4/0 (7, 19)	4/0	1/0 Sol.	5	11-1/8	3-1/2	3-1/2	L	WL (4)	UL (2)
YCB321R	350 (19, 37) 336.4 (19, 37)	336.4 (18-1) 300 (26-7)	1/0 Sol.	5-3/8	12-3/4	3-1/2	3-1/2	M	—	UM (3)
YCB33R	400 (19, 37) 397.5 (19, 37)	336.4 (26-4, 30-7) 397.5 (18-1)	1/0 Sol.	5-3/8	12-3/4	3-1/2	3-1/2	M	—	UM (3)
YCB35R	500 (37, 61) 477 (19, 37)	397.5 (26-7) (30-7)	1/0 Sol.	5-3/8	12-3/4	3-1/2	3-1/2	M	—	UM (3)
YCB361R	477 (19, 37)	477 (18-1)	1/0 Sol.	5-1/4	13-1/4	3-1/2	3-1/2	317	—	U317 (3)

* Multiple crimp die set, makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

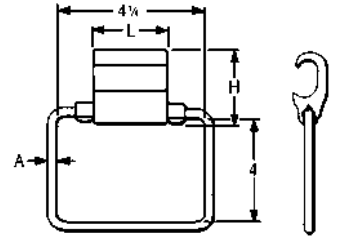
CRIMPIT™ STIRRUP™, Types YCB-U, YCB-R-U

For AAC (Stranded, Compressed, Compact), ACSR, AAAC

Material: Aluminum

Tension Rating: ANSI C119.4 Class 3 (Non Tension)

Combines Figure 6-shaped aluminum CRIMPIT™ tap connector with tin-plated copper bail. Can be gripped in tool and slipped over line for easy installation. Five sizes accept a range from #4 to 600 kcmil. Prefilled with PENETROX™ joint compound and stripsealed to limit oxide growth and to increase the life of the connection.



Catalog Number	Aluminum	ACSR, 6201, 5005	A	H	L	Die Index	Tool Series, Die Set Catalog Number, & (Number of Crimps)					
							35, 750	Y45	46			
YCB4U1	4 Sol. - 4 (7)	4	2 Sol.	1-1/2	1-7/8	D	UD (2)	†	‡			
YCB1U1	2 (7) - 1 (7)	2		1-5/8								
YCB28U26	1/0 (7) - 4/0 (19)	1/0 - 4/0		2	2-1/8	H	UH (2)	†	‡			
YCB33R26U	300 (37) - 400 (37)	266.8 (6-7) - 336.4 (30-7)	1/0 Sol.	R						UR (2)	†	‡
YCB38R26U	397.5 (19) - 600 (61)	336.4 (26-7) - 556.5 (18-1)											N	UN (2)	SN (2)	PN (2)

* Index number "D" is not "D3" Cabelok CRIMPIT™ die.

† U Die with adapter PT6515

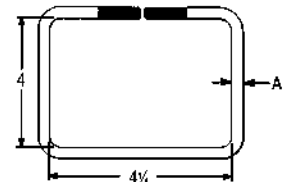
‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Hot-Line Clamp Bails, Types J990, J1252

Material: Tin Plated Copper

Designed to make hot-line clamp adapter using HYCRIMP™, CABELOK™ CRIMPIT™ or Figure 6-shaped CRIMPIT™ connectors. Where hot sticks are used, the CABELOK™ CRIMPIT™ or Figure 6-shaped CRIMPIT™ are recommended. The line can be approached with the connector and bail held in the tool. Bails are tin-plated, hard drawn copper.



Recommended Connector & Bail Combinations								
HYCRIMP™ Cat. No.	CABELOK™ CRIMPIT™ Cat. No.	Bail Cat. No.	A	Run Conductors Accommodated				
				Sol. Al	Str. Al	ACSR		
YHO100	YP2U3	J990	#2	6 - 2	6 - 3 (7 Str.)	6, 4		
YHO150	YP26AU2			1 - 2/0	3 (3 Str.) - 1/0	3 - 1/0		
YHD200	YP27AU4			3/0 - 4/0	2/0 - 3/0	1/0, 2/0		
YHD250	YPC28U4			—	4/0	3/0, 4/0		
YHD300	YP27AU26	J1252	2/0	3/0	2/0, 3/0	2/0		
YHD350	YP28U26			—	4/0	3/0, 4/0		
—	YPC28U26	J990	#2	—	1/0 (7) - 4/0	1/0 - 4/0		
		J1252	2/0					
YHN500	YPC33R26U	J990	#2				250 (37)	266.8 (18-1)
		J1252	2/0				400 (37)	397.5 (18-1)

* For additional run & tap conductors see specific connector catalog page.

Overhead Distribution

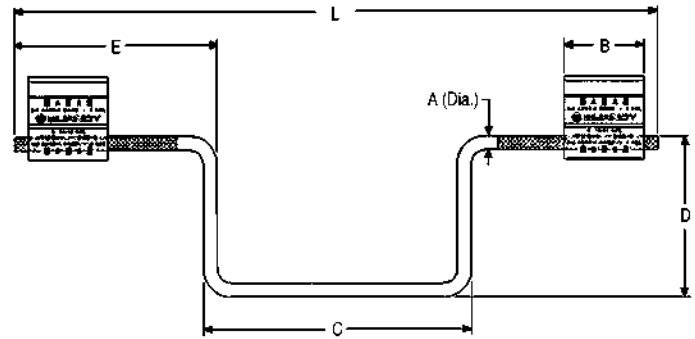
Compression Tap (with Bail)
HYCRIMP™ STIRRUP™ Types YHO-J, YHD-J, YHN-J

HYCRIMP™ STIRRUP™ Tap Connectors with Bail, Types YHO-J, YHD-J, YHN-J

For AAC (Stranded, Compressed, Compact), ACSR

Material: Aluminum; Tin Plated Copper Bail

Utilizes H-Frame Aluminum Tap Connectors along with tin-plated copper bail. Bendable tabs secure run and bail freeing the lineman's hands to work with the installation tool. Conductor grooves are prefilled with PENETROX™ joint compound and stripsealed to limit oxide growth and increase the life of the connection.



Catalog Number	Run Conductor Accommodates			A	B	C	D	E	L	Die Index	Tool Series, Die Set Catalog Number, & (# of Crimps)	
	Sol. Al	Str. Al	ACSR								① MD7-8 MD6-8	35, 750, Y45 †, 46 ‡
YHO100J1444	6-1	6-1 (7 Str.)	6-2	2 Sol. (0.258)	1.50	5.00	3.00	3.75	12.00	O	(4)	U-O (2)
YHO150J1444	1 - 2/0	3 - 2/0	3 - 1/0		1.75	5.00	3.00	3.75	12.00	O	(5)	U-O (2)
YHD200J1444	3/0 - 4/0	2/0 - 3/0	1/0 - 2/0		1.88	5.00	3.00	3.75	12.00	D3	(5)	UD-3 (2)
YHD250J1444	250 - 300	4/0	3/0 - 4/0		1.88	5.00	3.00	3.75	12.00	D3	(5)	UD-3 (2)
YHD300J1496	2/0 - 4/0	#1 - 3/0	#1 - 2/0	2/0 Sol. (0.365)	1.88	5.00	4.75	5.62	15.50	D3	(5)	UD-3 (2)
YHD350J1496	250 - 300	3/0 - 4/0	3/0 - 4/0		2.50	5.00	4.75	5.62	15.50	D3	(7)	UD-3 (2)
YHN500J1496	—	4/0 - 500	4/0 - 477 (18/1)		2.00	5.00	4.75	5.62	15.50	N	—	U-N (2)

① Permanent dies in tool install all sizes.

† U Die with adapter PT6515

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Transformer and Equipment Tap Connectors
General Overview

Transformer and equipment tap connectors are specifically designed to provide single or multi-tap connections from secondary transformer outlets, disconnects, circuit breaker panels, and other equipment pads or bar.

Transformer Tap Adapter, Type E-C-G
For Copper

Material: Copper

Tension Rating: ANSI C119.4 Class 3 (Non Tension)

Multi-tap, range-taking cast copper alloy connector designed to take 2, 3, or 4 conductors from a single secondary transformer outlet.

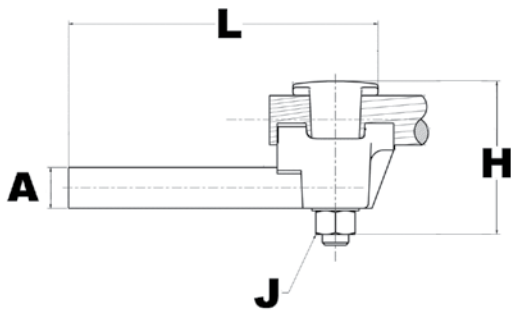


Fig.1

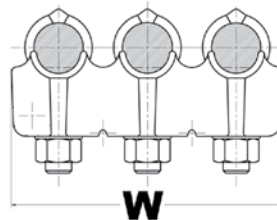


Fig.2

Catalog Number	Number of Conductors	Conductor Size	A dia.	D	H	J	L	W
E2C34G1	2	1/0 -500 kcmil	0.78	3-3/4	3-7/8	1/2 - 13	6 - 1/4	3-1/2
E3C34G1	3							5-1/4
E4C34G1	4							6-7/8

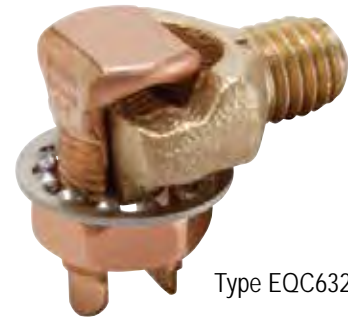
Overhead Distribution

Transformer Connectors
Types KC22J12T13, EOC632C; Type YA-2LH

Transformer Ground Connectors, Types KC22J12T13, EOC632C For Copper

Material: Copper

Fits all standard EEI-NEMA distribution transformers as tank grounding terminal.



Type EOC632C

TYPE KC	Ranges
KC22J12T13	8 Sol. - 2 Sol.
KC26	2 Sol. - 2/0 Str.
KC34J12T13	3/0 - 500 Str.
EOC632C	8 Sol. - 2 Str.

Both, one-wrench installation.



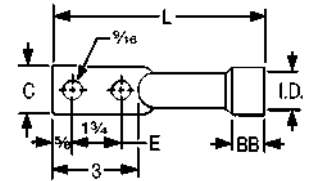
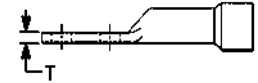
Type KC22B2

1/2-13
stud size

HYSEALUG™ Terminal with Shrouded Barrel, Type YA-2LH For Copper

Material: Copper

Tin-plated, pure copper 2-hole NEMA compression terminal with shrouded barrel for terminating insulated copper conductor to transformers and other equipment. Shroud prevents seepage of water or moisture into conductor strands and minimizes taping.



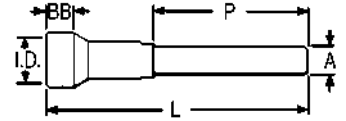
Catalog Number	Conductor	BB	Shroud Inside Diameter	C	L	T	Tool Series, Die Set Catalog Number, & (Number of Crimps)	
							MD7, MD6	35, 750, Y45 †, 46 ‡
YAB4C2LH72	4 Str.	5/8	0.57	3/4	6-1/4	1/8	W161 (2)	U4CRT (2)
YAB2C2LH74	2 Str.	3/4	0.58		6-1/2		W162 (4)	U2CRT (2)
YAB2C2LH75			0.91					
YAB252LH70	1/0 Str.	1	0.69	7/8	6-3/4	3/8	W163 (4)	U25RT (2)
YAB252LH71			0.98		6-1/4		W241 (2)	U26RT (2)
YA262LH89	2/0 Str.		1.04		6-1/4		—	W166 (4)	U29RT (2)
YA282LH114	4/0 Str.		0.86	1	6-5/8	1/8	W-BG or W243 (2)	U28RT (2)
YA282LH115			1.24					
YA292LH91	250		1.25	1-1/8	1-1/4	7	—	U30RT (2)
YA302LH85	300	0.92	1-1/4	7-5/8		W-0 (5)	U31RT (2)	
YA312LH90	350	1.40	1-3/8					
YA342LH110	500	1-1/2	1.14	1-1/2	7-3/4	1/4	—	U34RT (2)
YA342LH111			1.88					

† U Die with adapter PT6515

‡ U Die with adapter PUADP1.

HYSEALPLUG™ Transformer Pin Terminal, Type YE-LH

For Copper



Material: Copper

Tension Rating: ANSI C119.4 Class 3 (Non Tension)

Oil and water-tight terminal with shrouded, tin-plated, copper barrel, and brazed plug. Recommended for terminating insulated copper conductor at cutout, transformer and arrester; or for joining insulated copper riser to overhead conductor. Shroud prevents seepage of water or moisture into conductor strands and minimizes taping. To obtain a tight fit on some insulations in the shroud it may be necessary to either "pencil" the insulation down, or build it up with tape.

Catalog Number	Conductor	BB	Shroud Inside Dia.	A Dia.	L	P	Tools, Die Set Catalog Number, & (# of Crimps)	
							MD6, MD7	35, 750, Y45 †, 46 ‡
YE2CLH128	2 Str.	3/4	0.58	2 Sol.	9	6	W162 (4)	U2CRT (2)
YE2CLH129			0.91					
YE25LH97	1/0 Str.	1	0.98	1/0 Sol.	11-1/8	8	W163 (4)	U25RT (2)
YE26LH88	2/0 Str.		0.73	2/0 Sol.	11-3/8		W241 (2)	U26RT (2)
YE26LH89			1.04					
YE28LH128	4/0 Str.	1-1/4	1.24	4/0 Sol.	11-1/2	8	WBG or W243 (2)	U28RT (2)
YE31LH96	350		1.03		12-1/4		WO (5)	U31RT (2)
YE34LH119	500		1.14		13-1/4		—	U34RT (2)
YE34LH120			1.88					

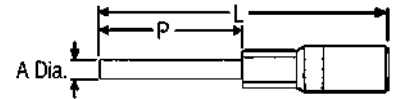
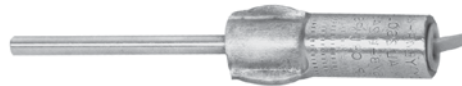
† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

HYPLUG™ Pin Terminal, Types YE-R, YE-W

For AAC (Stranded, Compressed), ACSR, AAAC



Material: Aluminum

Tension Rating: ANSI C119.4 Class 3 (Non Tension)

In 1989 BURNDY® began shipping an improved pin type connector. A proprietary coating system was developed through intense research efforts which vastly prolongs the life of this type of connection. To help identify the new product, a hex-shaped crimp is now used on the pin interface crimp and overhead color-coded end caps are utilized.

Aluminum HYPLUG™ with tin-plated copper plug for terminating aluminum or ACSR cable at cutout, transformer, and arrester. Plug may be bend to desired angle for easier insertion. Three die sets accommodate #4 Stranded to 500 kcmil. Prefilled with PENETROX™ A13 joint compound and sealed with color-coded end caps.

Catalog Number	Conductor		A Dia.	L	P	Color Code	Die Index	Tool Series, Die Set Catalog Number		
	Alum.	ACSR						MD7, MD6	35, 750, Y45 †, 46 ‡	60 Series
YE6R25	5, 6 Str.	6	4 Sol.	4-5/8	2-1/2	Blue	K-5/8-1, 243, BG, 8A	BG WBG W243	UBG U243 UK5/81T	L243
YE4R25	3, 4 Str.	4				Orange				
YE1WAG1	#1 Sol. (.289)	—	0.25	8.58 (218)	6	Red	K-5/8-1, 243, BG	BG WBG W243	UBG U243 UK5/81T	L243
YE2WAG5	#2 Sol. (.258)	—				Orange				
YE2R25	1, 2 Str.	2	2 Sol.	4-5/8	2-1/2	Red	K-5/8-1, 243, BG, 8A	BG WBG W243	UBG U243 UK5/81T	L243
YE25R25	1/0 Str.	1/0				Yellow				
YE26R60	2/0 Str.	2/0	1/0 Sol.	9-1/2	6	Gray	249 840 11A	W249 or WK840	U249 UK840T	L249
YE27R60	3/0 Str.	3/0				Black				
YE28R60	4/0 Str.	4/0				Pink				
YE30R60	300	266.8 (26/7) (18/1)	4/0 Sol.	10-5/8	6	Blue	317, 705, K-1-1/8-1	—	U317 U705 UK1181T	L317
YE32R60	350-400	336.4 (26/7) (18/1)				Green				
YE361R60	477, 500	477 (18/1)	9/16	11-7/8	6	Pink	608	—	U608	L608
YE39R60	600	556.5 (24/7) (26/7)	5/8			Yellow				

BURNDY® furnishes many special versions of YE-R including: pin length variations, factory applied pin angles, etc.

Contact your BURNDY® representative for your special needs.

* All crimps overlap

†U Die with adapter PT6515.

‡U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Table of Contents

Compression Splices.....	H-45
Service Entrance	
Type ES.....	H-46
Type YSU.....	H-47
Type YSD.....	H-48
Neutral	
Types YSS, YCS-R, YDS-AT.....	H-49
Jumper	
Types YCS, YDS.....	H-50
Type YCU-A.....	H-50
Type YCS-R.....	H-51
Type YCS-RL.....	H-52
Type YCS-A.....	H-53
Type YCR.....	H-53
Type YCR-R-G.....	H-54
Repair Sleeve	
Types YCU-R, YOU-R.....	H-55
Type YCU-R for ACSR Static Wire.....	H-55
Types YDS-W, YDS.....	H-56
Full Tension	
Types YDS, YDS-C.....	H-57
Types YDS-A, YDS-AT.....	H-58
Types YDS-RL, YDS-LT.....	H-59
Type YDS-RLNI.....	H-61
Types YDS-A, YDS-AT.....	H-62
Type YDS-RLY.....	H-63
Types YDS-R SET, YDS-RP1, YDS-RP2.....	H-64
Types YDS-R, YDS-RE.....	H-66
Types YDS-E, YDS-H, YDS-U.....	H-66
Type YDSR-RL.....	H-67
Type YDR-R.....	H-68
Type YDS-K.....	H-69
Type YTS-E.....	H-69
Types YDS-KT, YDS-F.....	H-70
Type YDS-M-T.....	H-70

Compression Splices General Overview

The BURNDY line of service, full-tension, and jumper sleeves provide a dependable, economical, and easy-to-install method of splicing overhead transmission and distribution lines.

A major part of the Total BURNDY® Compression Program, they are available for copper, aluminum, ACSR, COPPERWELD, ALUMOWELD, Steel, 6201, 5005, ACSR/AW, AWA, and compressed forms for aluminum and ACSR. Each is clearly marked with the installation Die Index number and knurls are provided which show the installer the correct number of crimps and the spacing required. Connections made with BURNDY® INSULINK™ and HYSPLICE™ sleeves have a lower resistance than an equal length of conductor.

HYSPLICE™ sleeves are tapered or chamfered at the ends; externally to provide gradual reduction of pressure on the conductor, and internally to facilitate conductor insertion.

Service Sleeve Design

Service entrance connectors are available insulated (INSULINK™) or uninsulated (LINKIT™). Both are installed with the one-hand OH25 and OUR840 HYTOOL™ or the MD6 HYTOOL™. The INSULINK™ features polyethylene caps which seal out dirt and moisture, and grip the cable insulation leaving both hands free for crimping. The aluminum insert is anchored to the nylon jacket so that it will not move when crimped, ensuring that the insert is always under the die. The jacket is color coded for easy identification of conductor size.

The aluminum LINKIT™ minimizes the effects of galvanic corrosion. It is designed for easy location of crimps, and is color coded.

The service HYSPLICE™ connectors are partial-tension sleeves for splicing the neutral conductor of triplex service. They are installed with MD6, OUR840 and the OH25 HYTOOL™ on aluminum and ACSR conductors from #6 to 1/0.

Copper HYSPLICE™ Sleeve Design

Full-tension holding strength and high conductivity of BURNDY® copper HYSPLICE™ sleeves are accomplished through the combined action of correct contact length, proper number of circular crimps of precisely controlled depth that perform a current carrying and keying function between the conductor and the sleeve.

Aluminum HYSPLICE™ Sleeve Design

HYSPLICE™ sleeves for aluminum conductor not only satisfy the basic tension requirements, but also deal with the problems of "cold flow" of aluminum and the oxide film which forms on the strands. "Cold flow" is compensated for by carefully coordinating the design of the sleeve and its associated installation die. To offset the effects of the non-conductive oxide film present on the surfaces of aluminum cable. BURNDY® HYSPLICE™ sleeves are pre-filled with PENETROX™ joint compound and capped or stripealed. A solid center barrier forces the PENETROX™ around the cable strands during insertion.

ACSR HYSPLICE™ Sleeve Design

Two-Piece, Full-tension HYSPLICE™

Two-piece, full-tension HYSPLICE™ for ACSR consists of an inner steel sleeve for joining the steel core, and an outer aluminum sleeve for connecting the aluminum strands. To install the two-piece HYSPLICE™, the cable is cut, the aluminum sleeve slid onto the cable, aluminum strands cut back and the steel sleeve installed. The aluminum sleeve is then centered over the steel sleeve, PENETROX™ joint compound injected (PENETROX™ is brushed on cable prior to centering aluminum sleeve on smaller sizes), and the sleeve is crimped.

Single-sleeve, Full-tension UNISPLICE™

The UNISPLICE™ is as easy to install as aluminum full-tension sleeves. The single, heavy walled aluminum sleeve is filled with a special inhibiting compound containing grit particles which key the steel strand in place. The UNISPLICE™ eliminates cutting back of aluminum strands, the need for a separate steel sleeve, and careful position of the aluminum outer sleeve before crimping.

Since the standard pull-out tests are inadequate for evaluating UNISPLICE™ performance, BURNDY® has developed the sustained-tension test that subjects a connector-conductor assembly to a 168 hour sustained load equal to 90% of the conductor strength. This test simulates a service life of 30-40 years at 60% of the conductor strength.

Jumper Sleeves

Since the holding strength required for jumper sleeves is less than that required for full-tension sleeves, the jumper HYSPLICE™ sleeve is shorter. Aluminum, ACSR, sleeves are pre-filled with PENETROX™ joint compound and installed with the same tools and dies as the full-tension sleeves.

INSULINK™ Service Entrance Splices, Type ES

For AAC (Stranded, Compressed, Compact**), Copper, ACSR, AAAC

Material: Aluminum (Insulated)

Pre-insulated service entrance compression connector installed with OH25, OUR840, and MD6 HYTOOL™ as well as the 35 and 750 HYPRESS™ tools. Polyethylene caps prevent dirt from accumulating in barrel, grip cable for easy two-hand installation, and seal out moisture. Aluminum connector is anchored to jacket, assuring the connector is under the die when crimping. Nylon jacket insulated connectors electrically and protects against water and weather. Superior color coding. Prefilled with PENETROX™ joint compound and stripsealed to limit oxidation and to increase the life of the connection. Do not use insulated sealed connectors on bare conductors, refer to LINKIT™ connectors.



RUS Accepted



■ Not for use on bare conductors.

▲ Accommodates 1/0 stranded aluminum and copper, concentric, compressed and compact conductors.

** Accommodates compact conductors where stated in the table.

* For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number	Side A ■			Side B ■			Die Index	Installation Tooling* (# of Crimps per End)			
	ACSR, 6201, 5005	Aluminum & Copper	Color Code	ACSR, 6201, 5005	Aluminum & Copper	Color Code		Dieless OH25	MD6/MD7 Series	OUR840	35, 750 Series
ES8W8W	—	10 Str. 8 Sol.	Brown	—	10 Str. 8 Sol.	Brown	BG or 5/8	(1)	WBG (1)*	XNBG (1)*	UBG (1)*
ES6W8W		8 Str. 6 Sol. #8 AL Compt	Green	—	8 Str. 6 Sol. #8 AL Compt	Green					
ES6W6W				—	10 Str. 8 Sol.	Brown					
ES4W8W	6	5, 6 Str. 4 Sol.	Blue	—	8 Str. 6 Sol. #8 AL Compt	Green					
ES4W6W				6	5, 6 Str. 4 Sol.	Blue					
ES4W4W				—	10 Str. 8 Sol.	Brown					
ES2W8W	4	3, 4 Str. 2 Sol.	Orange	—	8 Str. 6 Sol. #8 AL Compt	Green					
ES2W6W				6	5, 6 Str. 4 Sol.	Blue					
ES2W4W				4	3, 4 Str. 2 Sol.	Orange					
ES2W2W				—	10 Str. 8 Sol.	Brown					
ES2R8W	2	1 Str. 2 Str. #1 AL Compt #2 AL Compt	Red	—	8 Str. 6 Sol. #8 AL Compt	Green					
ES2R6W				6	5, 6 Str. 4 Sol.	Blue					
ES2R4W				4	3, 4 Str. 2 Sol.	Orange					
ES2R2W				2	1 Str. 2 Str. #1 AL Compt #2 AL Compt	Red					
ES2R2R				—	8 Str. 6 Sol. #8 AL Compt	Green					
ES25R6W	1/0, 1	1/0 Str. 1-19 Str.	Yellow	6	5, 6 Str. 4 Sol.	Blue					
ES25R4W				4	3, 4 Str. 2 Sol.	Orange					
ES25R2W				2	2 Str. 1 Str. #1 AL Compt #2 AL Compt	Red					
ES25R2R				1/0, 1	1/0 Str.	Yellow					
ES25R25R	—	1/0 Str. ▲	Yellow	—	5, 6 Str. 4 Sol.	Blue					
ES25A25A	6			3, 4 Str. 2 Sol.	Orange						
ES25A4W	4			3, 4 Str. 2 Sol.	Orange						
ES25A2W	—										

5/8" LINKIT™ Service Entrance Splices, Type YSU

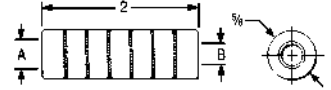
For AAC (Stranded, Compressed, Compact**), Copper, ACSR, AAAC

Material: Aluminum (Uninsulated)

Heavy-walled aluminum tubing with solid barrier minimizes galvanic corrosion of conductors. Accommodates neutral strands of Type SE Service Entrance conductor as well as other conductors. Installed with standard tooling. Color coded, prefilled with PENETROX™ joint compound and stripsealed to limit oxidation and increase the life of the connection.



RUS Accepted



▲ Accommodates 1/0 standard aluminum and copper concentric, compressed and compact conductors.

** Accommodates compact conductors where stated in the table.

* For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number	Side A			Side B			Die Index	Installation Tooling* (# of Crimps per End)			
	ACSR, 6201, 5005	Aluminum & Copper	Color Code	ACSR, 6201, 5005	Aluminum & Copper	Color Code		Dieless OH25	MD6/MD7 Series	OUR840	35, 750 Series
YSU6W6W	—	8 Str. 6 Sol. #8 Al Compt	Green	—	8 Str. 6 Sol. #8 Al Compt	Green	243 BG or 5/8	(1)	WBG (1)*	XNBG (1)*	UBG (1)*
YSU4W8W	6	5, 6 Str. 4 Sol. #4 Al Compt	Blue	—	8 Sol. 10 Str.	Brown					
YSU4W6W				—	6 Sol. 8 Str. #8 Al Compt	Green					
YSU4W4W				6	5, 6 Str. 4 Sol. #4 Al Compt	Blue					
YSU2W8W				4	3, 4 Str. 2 Sol.	Orange						—	8 Sol. 10 Str.	Brown
YSU2W6W	—	6 Sol. 8 Str. #8 Al Compt	Green								
YSU2W4W	6	5, 6 Str. 4 Sol. #4 Al Compt	Blue								
YSU2W2W	4	3, 4 Str. 2 Sol.	Orange								
YSU2R8W	2	2 Str. 1 Str. #1 Al Compt #2 Al Compt	Red	—	8 Sol. 10 Str.	Brown					
YSU2R6W				—	6 Sol. 8 Str. #8 Al Compt	Green					
YSU2R4W				6	5, 6 Str. 4 Sol. #4 Al Compt	Blue					
YSU2R2W				4	3, 4 Str. 2 Sol.	Orange					
YSU2R2R				2	2 Str. 1 Str. #1 Al Compt #2 Al Compt	Red					
YSU25R6W	1/0	1/0 Str. 2/0 Al Compt 1/0 Al Compt	Yellow	—	8 Str. 6 Sol. #8 Al Compt	Green					
YSU25R4W				6	5, 6 Str. 4 Sol. #4 Al Compt	Blue					
YSU25R2W				4	3, 4 Str. 2 Sol.	Orange					
YSU25R2R				2	2 Str. 1 Str. #1 Al Compt #2 Al Compt	Red					
YSU25R25R				1/0	1/0 Str. 2/0 Al Compt 1/0 Al Compt	Yellow					
YSU25A25A	1-1	1/0 Str. ▲	Yellow	1/0	1/0 Str.	Yellow					

.840 LINKIT™ Service Entrance Splices, Type YSD

For AAC (Stranded, Compressed, Compact**), Copper, ACSR, AAAC

Material: Aluminum (Uninsulated)

Aluminum compression sleeve with solid center barrier. Designed for commercial and heavy residential services. Installed with standard tooling. Prefilled with PENETROX™ joint compound, capped and stripsealed to limit oxidation and to increase the life of the connection.

* Multiple crimp die set, makes more than one crimp per tool compression.

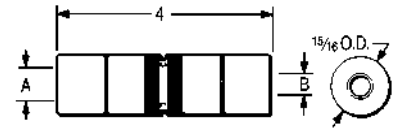
Figure indicates number of compressions.

** Accommodates compact conductors where stated in the table.

*** For faster installations use BURNDY® PATRIOT® family of battery tools.



RUS Accepted

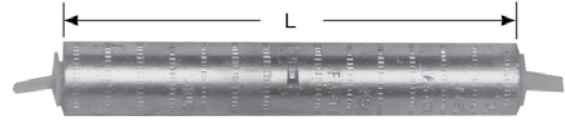


Catalog Number	Side A			Side B			Die Index	Installation Tooling *** (Number of Crimps per End)		
	ACSR 6201, 5005	Aluminum & Copper	Color Code	ACSR, 6201, 5005	Aluminum & Copper	Color Code		MD6/MD7 Series	OUR840	35, 750* Series
YSD25R25R	1/0	1/0 Str. 2/0 AL Compt	Yellow	1/0	1/0 2/0 AL Compt	Yellow	249 K840	WK840 (7) W249 (4)	X840 (7) X249 (8)	UK840 (4) U249 (2)
YSD26R2W	2/0	2/0 Str. 3/0 AL Compt	Gray	4	3, 4 Str. 2 Sol. #2 AL Compt	Orange				
YSD26R2R				2	2 Str. 1 Sol. 1/0 AL Compt	Red				
YSD26R25R				1/0	1/0 Str. 2/0 AL Compt	Yellow				
YSD26R26R				2/0	2/0 Str. 3/0 AL Compt	Gray				
YSD27R2W				3/0	3/0 Str. 4/0 AL Compt	Black					4	3, 4 Str. 2 Sol. #2 AL Compt	Orange
YSD27R2R	2	2 Str. 1 Sol. 1/0 AL Compt	Red							
YSD27R25R	1/0	1/0 2/0 AL Compt	Yellow							
YSD27R26R	2/0	2/0 Str. 3/0 AL Compt	Gray							
YSD27R27R	3/0	3/0 Str. 4/0 AL Compt	Black							
YSD28R2W	4/0	4/0 Str. 300 AL Compt	Pink	4	3, 4 Str. 2 Sol. #2 AL Compt	Orange				
YSD28R2R				2	2 Str. 1 Sol. 1/0 AL Compt	Red				
YSD28R25R				1/0	1/0 2/0 AL Compt	Yellow				
YSD28R26R				2/0	2/0 Str. 3/0 AL Compt	Gray				
YSD28R27R				3/0	3/0 Str. 4/0 AL Compt	Black				
YSD28R28R				4/0	4/0 Str. 300 AL Compt	Pink				

HYSPLICE™ Service Entrance, Short Span Lines (Neutrals), Types YSS, YCS-R, YDS-AT

For AAC (Stranded, Compressed, Compact**), Copper, ACSR, AAAC

Material: Aluminum



Single aluminum sleeve designed for service drop or short span overhead distribution lines. Installed with OH25 hand tool and other standard tooling. Prefilled with PENETROX™ joint compound and stripealed to limit oxidation and increase the life of the connection.

Catalog Number	Conductor	L	Die Index	Color Code	Tool Series, Die Set Catalog Number*** & (Crimps per End)		OH25 Applications	
					MD7, MD6	35, 750, Y45†, 46‡	Conductor	OH25 (Indents per End)
YSS6RG2	6 ACSR 4 Sol. Al	4.00	BG	Blue	BG (6) WBG (3)*	UBG (3)*	—	—
YSS6R	6 ACSR 4 Sol. Al	4.72	162	Blue	W162 (4)	U162 (2)*	—	—
YDS4WA	4 Sol. Al 4 Str. Al (7)	2-5/8	162	Orange	W162 (4)	U162 (1)*	—	—
YDS4CA								
YSS4R	4 ACSR 2 Sol. Al 4 Al (7)	3.78	BG or 5/8	Orange	BG (6) WBG (3)*	UBG (3)*	4 7 Al (3) 4 5005 Al (2) 4 5005 Al (3) 4 (6-1) ACSR (3) 4 (6-1) ACSR (2) 4 (7-1) ACSR (3) 4 (7-1) ACSR (2) 2 Sol. Al (3) 2 Sol. Al (2)	
YSS2R	2 ACSR 2 Al (7)	3.78	BG or 5/8	Red	BG (6) WBG (3)*	UBG (3)*	2 (6-1) ACSR (3) 2 (7-1) ACSR (3) 2 (7-1) ACSR (2) 2 7 Al (3)	
YDS25AT	1/0 (7)	7-1/4	243	Yellow	W243(6)	U243(3)	1/0 7 Al	(4)
YCS25R	1/0 ACSR	7.09	243	Yellow	BG (12) WBG (6)*	UBG (6)*	1/0 (6-1) ACSR 1/0 (6-1) ACSR	(2) (3)

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

** Accommodates compact conductors where stated in the table.

† U Die with adapter PT6515

‡ U Die with adapter PUADP1.

*** For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™ Single Sleeve Jumpers, Types YCS, YDS For Copper

Material: Copper



Tension Rating: ANSI C119.4 Class 1A
(Normal Tension)

Loop HYSPLICE™ connector designed to withstand jumper loop tensile and vibration stresses up to 60% RBS. Made of pure copper tubing, installed with standard tools and dies.

RUS Accepted.

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

† UDie with adapter PT6515.

‡ U Die with adapter PUADP1.

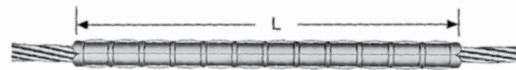
For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number	Conductor	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)		
				MD7, MD6	35, 750, Y45†, 46‡	60
YDS8W	8 Sol.	1-5/8	171	W171 (1)	U171 (1)*	—
YDS6W	6 Sol.	2-5/8	161	W161 (2)	U161 (1)*	—
YDS4W	4 Sol.	2-1/2	162	W162 (4)	U162 (1)*	—
YDS2W	2 Sol.	3-3/4	163	W163 (6)	U163 (2)*	—
YDS6C	6 (7)	2-3/4	161	W161 (2)	U161 (1)*	—
YDS4C	4 (7)	2-5/8	162	W162 (4)	U162 (1)*	—
YDS2C	2 (7), 3 (3)	3-5/8	163	W163 (6)	U163 (2)*	—
YDS1C	1 (7, 19)	3-1/8	164	W164 (6)	U164 (3)*	—
YCS25	1/0 (7, 19)	3-3/8	165	W165 (3)	U165 (3)	—
YCS26	2/0 (7, 11, 12, 19)	3-3/8	166	W166 (6)	U166 (3)	—
YCS27	3/0 (7, 19)	3-1/4	167	—	U167 (3)	—
YCS28	4/0 (7, 12, 19)	3-1/8	168	—	U168 (3)	L168 (1)
YCS29	250 (7, 37, 19)	3-5/8	169	—	U169 (4)	L169 (2)
YCS30	300 (19, 37)	5-3/8	170	—	U170 (4)	L170 (1)
YCS31	350 (12, 19, 37)	5-3/8	267	—	U267 (6)	L267 (2)
YCS32	400 (19, 37)	5-3/4	209	—	U209 (6)	L209 (2)
YCS34	500 (19, 37)	5-1/8	210	—	U210 (6)	L210 (2)
YCS39	750 (37)	6-7/8	627	—	—	L627 (3)
YCS44	1000 (61, 37)	7-3/4	345	—	—	L345 (4)

Repair Sleeve, Type YCU-A

For AAC (Stranded, Compressed, Compact)

Material: Aluminum



For restoring conductivity to damaged conductors. Made of cast aluminum. Use same die as equivalent full-tension sleeve. Use of PENETROX™ joint compound required.

Catalog Number	Conductor	L	Die Index	Tool Series, Die Set Catalog Number, & (Number of Crimps)				
				MD7, MD6	35, 750	Y45	46	60
YCU2CA	2 (7)	7-5/8	163	W163 (27)	U163 (9)*	†	‡	—
YCU25A	1/0 (7)	8-3/4	243	W243 (20)	U243 (10)	†	‡	—
YCU28A	4/0 (7, 19)	11-7/8	249	W249 (28)	U249 (14)	†	‡	L249 (7)
YCU291A	266.8 (7)	11-5/8	251	—	U251 (20)	†	‡	L251 (10)
YCU301A	336.4 (19,37)	11-5/8	321	—	U321 (20)	†	‡	L231 (10)

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

† UDie with adapter PT6515.

‡ U Die with adapter PUADP1.

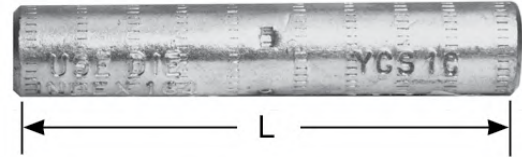
For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™ Single Sleeve Jumper, Type YCS-R

For AAC (Stranded, Compressed), ACSR, AAAC

Material: Aluminum

Tension Rating: ANSI C119.4 Class 2
 (Partial Tension)



RUS Accepted

HYSPLICE™ sleeve designed to withstand jumper loop tensile and vibration stresses. Made of aluminum with staked-in cable stop. Installed with same die as equivalent full tension sleeves. Prefilled with PENETROX™ joint compound, stripsealed and capped to limit oxide growth and increase the life of the connection.

Catalog Number	Conductor		L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)				
	ACSR, 6201, 5005	All Aluminum			MD7, MD6	35, 750	Y45	46	60
YCS4R	4	4 (7)	5	237	W237 (4)	U237 (2)	†	‡	—
YCS2R	2	2 (7)	5	239	W239 (4)	U239 (2)	†	‡	—
YCS25R	1/0	1/0 (7, 19)	7-1/8	243	WBG (5) W243 (7)	UBG (6)* U243 (4)	†	‡	—
YCS26R	2/0	2/0 (7, 19)	7	245	W245 (8)	U245 (4)	†	‡	—
YCS27R	3/0 110.8 (12-7)	3/0 (7, 19)	5-3/4	247	W247 (6)	U247 (3)	†	‡	—
YCS28R	4/0	4/0 (7, 19)	5-3/4	249	W249 (6)	U249 (3)	†	‡	L249 (2)
YCS30R	266.8 (6/7, 18-1, 26/7)	266.8	6-1/2	251	W251 (12)	U251 (6)	†	‡	L251 (3)
YCS321R	336.4 (18-1) 300	336.4 (19)	6-1/2	490	—	U490 (5)	†	‡	L490 (2)
YCS33R	336.4 (26-7, 30-7)	397.5 (19)	8-3/4	316	—	U316 (6)	†	‡	L316 (2)
YCS35R	397.5 (18-1, 26-7, 30-7)	477 (19, 37) 500 (37, 61)	8-7/8	317	—	U317 (6)	†	‡	L317 (2)
YCS361R	477 (18-1)	500 (37, 61)	8-1/4	327	—	U327 (6)	†	‡	L327 (2)
YCS37R	477 (24-7, 26-7, 30-7) 556.5 (18-1)	556.5 (19, 37)	8-3/4	261	—	U261 (6)	†	‡	L261 (2)
YCS39R	556.5 (24-7, 26-7)	—	10-3/4	608	—	U608 (9)	†	‡	L608 (3)
YCS43R	605 (30-19) 636 (24-7, 26-7, 30-19) 666.6 (24-7, 54-7)	795 (37)	10-5/8	292 or 319	—	—	S292 (6) S319 (6)	P292 (6) P319 (6)	L292 (3) L319 (3)
YCS453R	795 (36-1, 45-7)	—	10-5/8	292	—	—	S292 (6)	P292 (6)	L292 (3)
YCS45R	795 (26-7, 54-7)	900 (61, 91)	10-5/8	352	—	—	S352 (6)	P352 (6)	L352 (3)

† U Die with adapter PT6515

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

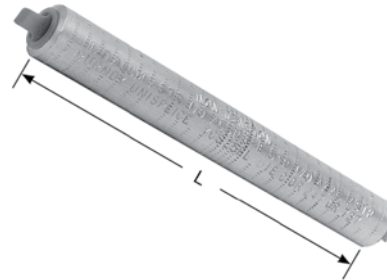
UNISPLICE™ Single Sleeve Jumper, Type YCS-RL

For AAC (Stranded, Compressed, Compact), ACSR, AAAC

Material: Aluminum

Tension Rating: ANSI C119.4 Class 2
(Partial Tension)

Aluminum jumper sleeve, with cable stop, designed to be installed with same dies as equivalent full-tension UNISPLICE™. Withstands jumper loop-tensile and vibration stresses. Prefilled with PENETROX™ joint compound, stripsealed and capped to limit oxide growth and increase the life of the connection.



Catalog Number	Conductor †††	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)	
				MD7, MD6	35,Y750, Y45†, 46‡
YCS25RL	1/0 ACSR (6-1) 1/0 6201 (7) 1/0 5005 (7) 1/0 AAC (7)	6-1/4	C or 247 or 702	WC (12) W702 (6)*	U247 (3)
YCS26RL	2/0 ACSR (6-1) 2/0 6201 (7) 2/0 5005 (7) 2/0 AAC (7)	5-5/8	659	—	U659 (3)
YCS28RL	4/0 ACSR (6-1) 4/0 6201 (7) 4/0 5005 (7) 4/0 AAC (7)	5-1/4	654	—	U654 (3)
YCS321RL	336.4 ACSR (18-1) 336.4 AAC (19)	5-1/4	655	—	U655 (3)
YCS341RL	397.5 AAC (19) 397.5 ACSR (18-1) 400 AAC (37, 61) 336.4 ACSR (18-1) 336.4 ACSR (26-7) 336.4 ACSR (30-7)	5-5/8	327	—	U327 (4)

* MD6 NON-BOW Dies produce straight sleeves without rotating tool.

† U Die with adapter PT6515

‡ U Die with adapter PUADP1.

††† Accommodates ACSR with aluminized steel core.

For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™ Jumper Loop, Type YCS-A For AAC (Stranded, Compressed, Compact)

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1A
 (Normal Tension)



HYSPLICE™ sleeve designed to withstand jumper loop tensile and vibration stresses up to 60% RBS. Made of aluminum with staked-in cable stop. Installed with same die as equivalent full-tension sleeve. Made from electrolytic grade aluminum. Surface oxides removed at factory and sealed. Pre-filled with PENETROX™ A joint compound, stripsealed and capped to limit oxide growth and to increase life of connection. For ACSR splices use the YCS-R or YCS-RL.

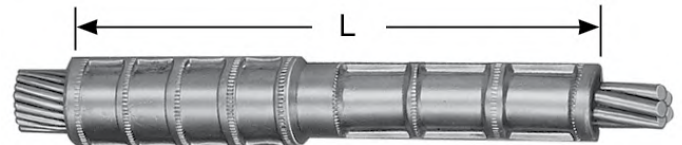
† U Die with adapter PT-6515
 ‡ U Die with adapter PUADP-1.
 For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number	Conductor	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)				
				MD7, MD6	35, 750	Y45	46	60
YCS26A	2/0 (7)	5-1/8	245	W245 (4)	U245 (2)	†	‡	—
YCS28A	4/0 (7, 19)	4	249	W249 (4)	U249 (2)	†	‡	L249 (1)
YCS301A	336.4 (19, 37)	4-3/8	321	—	U321 (3)	†	‡	L321 (2)
YCS311A	397.5 (19)	5-5/8	468	—	U468 (4)	†	‡	—
YCS331A	477 (19, 37, 61) 500 (19, 37, 61)	6-1/4	317	—	U317 (4)	†	‡	L317 (2)
YCS351A	556.5 (19, 37)	8-3/4	261	—	U261 (6)	†	‡	L261 (2)
YCS361A	636 (37)	7-3/8	469	—	—	S469 (4)	P469 (4)	L469 (2)
YCS391A	795 (37, 61)	10-1/2	342	—	—	S342 (4)	P342 (6)	L342 (3)

Jumper Sleeve Reducer, Type YCR For Copper

Material: Copper

Tension Rating: ANSI C119.4 Class 1A
 (Normal Tension)



Copper sleeve designed to join different size copper conductors on transmission jumper applications. Installed with same dies as full-tension sleeves.

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.
 † U Die with adapter PT6515.
 ‡ U Die with adapter PUADP1.
 For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number	Copper Conductor		L	Tool Series, Die Set Catalog Number, & (Crimps per End)							
				Side A				Side B			
	Side A	Side B		Die Index	MD7, MD6	35, 750, Y45†, 46‡	60	Die Index	MD6	35, 750, Y45†, 46‡	60
YCR2625	2/0 (7, 12, 19)	1/0 (7, 19)	3-3/8	166	W166 (6)	U166/U459	L166 (1)	165	W165 (3)	U165/U205	L165 (1)
YCR2725	3/0 (7, 19)	1/0 (7, 19)	3-1/2	167	—	U167/U568	L167 (1)	165	W165 (3)	U165/U205	L165 (1)
YCR2825	4/0 (7, 12, 19)	1/0 (7, 19)	3-3/8	168	—	U168 (3)	L168 (1)	165	W165 (3)	U165/U205	L165 (1)

Overhead Distribution

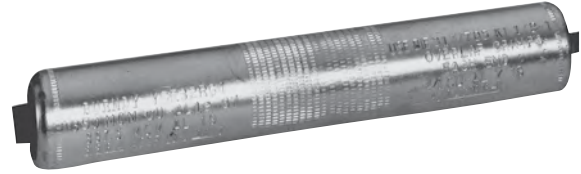
Compression Reducer - Single Sleeve Jumper Partial Tension
HYSPLICE™ Type YCR-R-G

HYSPLICE™ Single Sleeve Reducer Jumper, Type YCR-R-G

For AAC (Stranded, Compressed), ACSR, AAAC, Copper

Material: Aluminum

Tension Rating: ANSI C119.4 Class 2
(Partial Tension)



Heavy-walled aluminum sleeve designed to connect all aluminum or ACSR to copper conductors, in all service conditions encountered in transmission and distribution. Sleeve has solid center barrier and is prefilled with PENETROX™ joint compound, stripsealed and capped to limit oxide growth and increase life of connection.

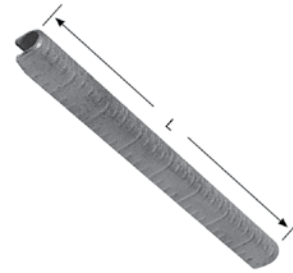
* Crimps overlap on both ends.
† U Die with adapter PT6515
‡ U Die with adapter PUADP1
For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number	Side A		Side B		L	O.D.	Tool Series, Die Set Catalog Number, & (Crimps per End)		
	ACSR, 6201, 5005	Aluminum, Copper	ACSR, 6201, 5005	Aluminum, Copper			Die Index	35, 750, Y45 †, 46 ‡	60
YCR25RG6	1/0 (6-1)	1/0 (7, 12, 19)	1/0 (6-1)	1/0 (7, 12, 19)	6-3/8	1-1/16	654 or 705	U654 U705 Crimps Overlap	L654 Crimps Overlap
YCR26RG2	2/0 (6-1)	2/0 (7, 12, 19)	1/0 (6-1)	1/0 (7, 12, 19)					
YCR26RG3			2/0 (6-1)	2/0 (7, 12, 19)					
YCR27RG5	3/0 (6-1)	3/0 (7, 12, 19)	1/0 (6-1)	1/0 (7, 12, 19)					
YCR27RG6			2/0 (6-1)	2/0 (7, 12, 19)					
YCR28RG5	4/0 (6-1)	4/0 (7, 12, 19)	1/0 (6-1)	1/0 (7, 12, 19)					
YCR28RG6			2/0 (6-1)	2/0 (7, 12, 19)					
YCR28RG7			3/0 (6-1)	3/0 (7, 12, 19)					
YCR28RG8			4/0 (6-1)	4/0 (7, 12, 19)					
YCR291RG2	266.8 (18-1)	250 (19, 37) 266.8 (7, 12, 19)	2/0 (6-1)	2/0 (7, 12, 19)	7-3/8	1-1/4	317 or 705	U317 U705 Crimps Overlap	L317 Crimps Overlap
YCR291RG3			3/0 (6-1)	3/0 (7, 12, 19)					
YCR291RG4			4/0 (6-1)	4/0 (7, 12, 19)					
YCR291RG5			266.8 (18-1)	250 (19, 37) 266.8 (7, 12, 19)					
YCR30RG4	266.8 (26-7)	300 (19, 37) 366.4 (19)	1/0 (6-1)	1/0 (7, 12, 19)					
YCR30RG6			3/0 (6-1)	3/0 (7, 12, 19)					
YCR30RG7			4/0 (6-1)	4/0 (7, 12, 19)					
YCR32RG1	336.4 (18-1) (26-7)	350 (19, 37) 397.5 (19)	1/0 (6-1)	1/0 (7, 12, 19)					
YCR32RG2			2/0 (6-1)	2/0 (7, 12, 19)					
YCR32RG3			3/0 (6-1)	3/0 (7, 12, 19)					
YCR32RG4			4/0 (6-1)	4/0 (7, 12, 19)					
YCR32RG5			266.8 (18-1)	250 (19, 37) 266.8 (7, 12, 19)					
YCR32RG6			266.8 (26-7)	300 (19, 37) 366.4 (19)					
YCR32RG7			336.4 (18-1) (26-7)	350 (19, 37) 397.5 (19)					

Compression Repair Sleeve, Types YCU-R, YOU-R For ACSR (Stranded, Compressed, Compact)

Material: Aluminum

For restoring conductivity to damaged conductors. Made of cast aluminum. Sizes up through 266.8 are U-shaped. For 300 and larger, sleeves are two-piece interlocking elements. Use same dies as equivalent full-tension sleeve. Use of PENETROX™ joint compound required.



Catalog Number	Conductor	L	Die Index	Tool Series, Die Set Catalog Number & (Number of Crimps)				
				MD7, MD6	35, 750	Y45	Y46	60
YCU4R	4 (6-1), (7-1) 4AAC	6-1/4	237	W237 (12)	U237 (6)	†	‡	—
YCU4RG1	4 (7-1)	8-1/4	239	W239 (16)	U239 (8)	†	‡	—
YCU2R	2 (6-1, 7-1)	8-1/4	239	W239 (16)	U239 (8)	†	‡	—
YCU25R	1/0 (6-1)	8-3/4	243	W243 (20)	U243 (10)	†	‡	—
YCU26R	2/0 (6-1)	10	245	W245 (24)	U245 (12)	†	‡	—
YCU27R	3/0 (6-1)	10	247	W247 (24)	U247 (12)	†	‡	—
YCU28R	4/0 (6-1)	11-7/8	249	W249 (28)	U249 (14)	†	‡	L249 (7)
YCU30R	266.8 (6-1, 18-1, 26-7)	11-5/8	251	—	U251 (20)	†	‡	L251 (10)
YOU32R	300 (26-7)	13	316	—	U316 (21)	†	‡	L316 (7)
YCU321R	336.4 (18-1)	11-5/8	547, 655, 490	—	U490 (20)	†	‡	L490 (10)
YOU33R	336.4 (26-7, 30-7)	13	316	—	U316 (21)	†	‡	L316 (7)
YOU35R	397.5 (18-1, 26-7, 30-7)	13	317, 426	—	U317 (21)	†	‡	L317 (7)
YOU361R	477 (18-1)	12-47/50	327	—	U327 (21)	†	‡	L327 (7)
YOU37R	477 (24-7, 26-7, 30-7)	12-47/50	261, 318	—	U261 (21)	†	‡	L261 (7)
YOU39R	556.5 (24-7, 26-7)	13-3/4	608	—	U608 (24)	†	‡	L608 (8)
YOU41R	605 (24-7, 54-7)	13-3/4	292, 578, 319	—	—	S292 (24)	P292 (24)	L292 (8)
YOU43R	605 (30-19) 636 (26-7, 30-19) 666.6 (24-7, 54-7)	13-3/4	292, 319, 578	—	—	S292 (24) S319 (24)	P292 (24) P319 (24)	L292 (8) L319 (8)
YOU421R	636 (36-1)	13-3/4	292, 578	—	—	S292 (24)	P292 (24)	L292 (8)
YOU453R	715.5 (26-7) 795 (36-1)	13-3/4	292, 578	—	—	S292 (24)	P292 (24)	L292 (8) L578 (8)
YOU44R	715.5 (54-7)	13-3/4	319	—	—	S319 (24)	P319 (24)	L319 (8)
YOU45R	795 (26-7, 54-7)	13-3/4	352, 579	—	—	S352 (24) S579 (24)	P352 (24) P579 (24)	L352 (8) L579 (8)
YOU48R	900 (54-7) 954 (54-7)	14-1/4	575	—	—	—	—	L575 (10)
YOU49R	1033.5 (54-7)	14-1/4	422	—	—	—	—	L422 (10)

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™ Repair Sleeve Type YCU-R For ACSR "Static Wire"

RUS Accepted

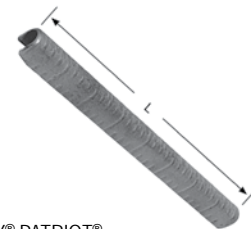
Material: Aluminum with Staked-In Cable Stop

HYSPLICE™ sleeve designed to withstand jumper loop tensile and vibration stresses. Made of aluminum with staked-in cable stop. Installed with same die as equivalent full tension sleeves. Prefilled with PENETROX™ joint compound.

† U Die with adapter PT-6515.

‡ U Die with adapter PUADP-1.

For faster installations use BURNDY® PATRIOT® family of battery tools.



Catalog Number	Conductor	L	Die Index	Tool Series, Die Set Catalog Number & (Number of Crimps)		
				MD7, MD6	35, 750, Y45†, 46‡	60
YCU27R	110.8 (12-7)	10	247	W247 (24)	U247 (12)	—
YCU28R	159 (12-7)	11-7/8	249	W249 (28)	U249 (14)	L249 (7)
YCU30R	190.8 (12-7)	11-5/8	251	—	U251 (20)	L251 (10)

HYSPLICE™ Single Sleeve, Types YDS-W, YDS For Solid Copper

Material: Copper

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



RUS Accepted

Type YDS-W sleeves are designed to develop full rated breaking strength of hard drawn and medium hard drawn solid copper conductor. Made of pure copper tubing, installed with standard tooling.

Catalog Number	Solid Conductor	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)		
				MD7, MD6	35, 750, Y45†, 46‡	60
YDS8WG1	8 Sol.	1-7/8	161	W161 (1)	U161 (1)	—
YDS8W	8 Sol.	1-1/2	171	W171 (1)	U171 (1)*	—
YDS6W	6 Sol.	2-5/8	161	W161 (2)	U161 (1)*	—
YDS4W	4 Sol.	2-1/2	162	W162 (4)	U162 (1)*	—
YDS3W	3 Sol.	2-7/8	163, 308	W163 (4)	U163 (2)* U308 (2)*	—
YDS2W	2 Sol.	3-3/4	163	W163 (6)	U163 (2)*	—
YDS1W	1 Sol.	5-7/8	164	W164 (8)	U164 (4)*	—
YDS75	1/0 Sol.	6-1/4	165	W165 (6)	U165/U205 (6)	—
YDS76	2/0 Sol.	6-5/8	166	W166 (12)	U166/U459 (6)	—
YDS78	4/0 Sol.	7-7/8	168	—	U168 (9)	L168 (3)

* Multiple crimp die set; makes more than one crimp per tool compression.

Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™ Single Sleeve, Types YDS, YDS-C
 For Stranded Copper

Material: Copper

Tension Rating: ANSI C119.4 Class 1
 (Full Tension)



Made of pure copper tubing. Designed to develop the full rated breaking strength of hard drawn or medium hard drawn copper conductor. Installed with standard tooling.

Catalog Number	Stranded Conductor	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)		
				MD7, MD6	35, 750, Y45†, 46‡	60
YDS6C	6 (7)	2-3/4	161	W161 (2)	U161 (1)*	—
YDS4C	4 (7)	2-5/8	162	W162 (4)	U162 (1)*	—
YDS3C3	3 (3)	5-1/4	163	W163 (9)	U163 (3)*	—
YDS2C	2 (7)	3-5/8	163	W163 (6)	U163 (2)*	—
YDS2C3	2 (3)	3-5/8	163	W163 (6)	U163 (2)*	—
YDS1C	1 (7, 19)	4-1/4	164	W164 (6)	U164 (3)*	—
YDS1C3	1 (3)	6-1/4	459	W166 (3)	U459 (6)	—
YDS25	1/0 (7, 19)	5-3/8	165	W165 (6)	U165 / U205 (6)	—
YDS26	2/0 (7, 12, 19)	6	166	W166 (12)	U166 / U459 (6)	—
YDS27	3/0 (7, 19)	6-3/4	167	—	U167 / U568 (7)	—
YDS28	4/0 (7, 12, 19)	6-7/8	168	—	U168 (9)	L168 (3)
YDS29	250 (7, 12, 37)	7-1/2	169	—	C169 (9)	L169 (3)
YDS30	300 (19, 37)	8-1/8	170	—	U170 (13)	L170 (3)
YDS31	350 (12, 19, 37)	10-1/4	267	—	U267 (12)	L267 (4)
YDS32	400 (19, 37)	12-3/4	209	—	U209 (15)	L209 (5)
YDS34	500 (19, 37)	11-5/8	210	—	U210 (15)	L210 (5)
YDS39	750 (37)	12-3/4	627	—	—	L627 (7)
YDS44	1000 (61, 37)	15-1/4	345	—	—	L345 (10)

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.
 † U Die with adapter PT6515.
 ‡ U Die with adapter PUADP1.
 For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™ Single Sleeve, Types YDS-A, YDS-AT For AAC (Stranded, Compressed, Compact)

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



Full Tension HYSPLICE™ sleeve made of aluminum tubing with staked-in cable stop. Sizes 1/0 and large tapered for gradual transition of stress. Installed with standard tools and dies. Prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and increase connection life.

Catalog Number	Conductor	L	Die Index	Tool Series, Die Set Catalog Number & (Number of Crimps)				
				MD7, MD6	35, 750	Y45	46	60
YDS6WA	6 (1)	3	161	W161 (2)	U161 (1)*	†	‡	—
YDS4WA	4 (1)	2-5/8	162	W162 (4)	U162 (1)*	†	‡	—
YDS2WA	2 (1)	3-7/8	163	W163 (6)	U163 (2)	†	‡	—
YDS6CA	6 (7)	3	161	W161 (2)	U161 (1)*	†	‡	—
YDS4CA	4 (7)	2-5/8	162	W162 (4)	U162 (1)*	†	‡	—
YDS2CA	2 (7)	3-7/8	163	W163 (6)	U163 (2)	†	‡	—
YDS25AT	1/0 (7)	7-1/4	BG 243	WBG (12) W243 (6)	UBG (6) U243 (3)	†	‡	—
YDS26AT	2/0 (7)	9-1/4	245	W245 (9)	U245 (5)	†	‡	—
YDS27AT	3/0 (7,19)	7-1/4	247	W247 (8)	U247 (4)	†	‡	L247 (3)
YDS28AT	4/0 (7, 19)	10-1/2	249	W249 (12)	U249 (6)	†	‡	L249 (3)
YDS29AT	250 (19)	7-1/2	616	—	U616 (6)	†	‡	—
YDS291AT	266.8 (7,19)	8-5/8	251	—	U251 (7)	†	‡	L251 (4)
YDS301AT	336.4 (19, 37)	9-7/8	321	—	U321 (8)	†	‡	L321 (4)
YDS31AT	350 (19)	11	490	—	U490 (9)	†	‡	L490 (3)
YDS311AT	397.5 (19)	12-1/4	468	—	U468 (10)	†	‡	—
YDS331AT	477 (19)	12-3/4	317	—	U317 (9)	†	‡	L317 (3)
YDS351AT	556.5 (19, 37)	12-3/4	261	—	U261 (9)	†	‡	L261 (3)
YDS361AT	636 (37)	13-1/2	469	—	—	S469 (8)	P469 (8)	L469 (4)
YDS391AT	795 (37), 800 (61)	13-5/8	342	—	—	S342 (8)	P342 (8)	L342 (4)
YDS431AT	954 (37, 61)	17-5/8	352	—	—	S352 (10)	P352 (10)	L352 (5)

* Multiple crimp die set; makes more than one crimp per tool compression.

Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

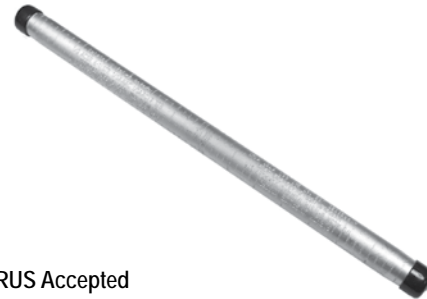
For faster installations use BURNDY® PATRIOT® family of battery tools.

UNISPLICE™ Single Sleeve, Types YDS-RL, YDS-LT
For AAC (Stranded, Compressed), ACSR, AAAC

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1
(Full Tension)

Single-sleeve aluminum UNISPLICE™ connector is designed to splice ACSR as simply as aluminum. Prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and increase the life of the connection. Eliminates strand stripping, installing separate steel sleeve and filling with joint compound. Ends ACSR joint failure due to faulty positioning of sleeve and lack of joint compound. Simplifies hot-line splicing. Electrical and mechanical performance equal to two-piece sleeves.



RUS Accepted

Catalog Number	Conductor †††	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)			
				MD7, MD6	35, 750, Y45†, 46‡	60	644 and 444S Series
YDS4RL	4 ACSR (7-1) 4 ACSR (6-1) 4 6201 (7) 4 5005 (7) 4 AAC (7)	11-7/8	BG, or 243, or 687	BG (24) WBG (11)* W243 (9) W687 (11)**	UBG (9)* U243 (6)	L243 (3)	4
YDS2RL	2 ACSR (6-1) (7-1) 2 6201 (7) 2 5005 (7) 2 AAC (7)	10-1/4	BG, or 243, or 687	BG (20) WBG (10)* W243 (10) W687 (10)**	UBG (8)* U243 (5)	L243 (3)	4
YDS021RL	2 ACSR (7-1) 2 ACSR (6-1) 2 6201 (7) 2 AAC (7)	11-1/4	C, or 167, or 247, or 702	WC (30) W247 (14) W702 (11)**	U167/U568 (16) U247 (7)	L167 (7)	4
YDS25RL	1/0 ACSR (6-1) 1/0 6201 (7) 1/0 5005 (7) 1/0 AAC (7)	13-7/8	C, or 167, or 247, or 660, or 702	WC (30) W660 (14) W702 (12)**	U167/U568 (14) U660 (7) U247 (7)	L167 (5)	5
YDS26RL	2/0 ACSR (6-1) 2/0 6201 (7) 2/0 5005 (7) 2/0 AAC (7)	13-1/2	659	—	U659 (11) Crimps Overlap	—	5
YDS27RL	3/0 ACSR (6-1) 3/0 6201 (7) 3/0 5005 (7) 3/0 AAC (7)	18-1/4	658	—	U658 (16) Crimps Overlap	—	7
YDS28RL	4/0 ACSR (6-1) 4/0 6201 (7) 4/0 5005 (7) 4/0 AAC (7)	18-1/4	654	—	U654 (18) Crimps Overlap	—	7
YDS321RL	336.4 ACSR (18-1) 336.4 AAC (19) 350 AAC	18-1/4	655	—	U655 (21) Crimps Overlap	—	7

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

** MD6 NON-BOW Dies produce straight sleeves without rotating tool.

‡ U Die with adapter PUADP1.

† U Die with adapter PT6515.

†† Accommodates compact conductor.

††† Accommodates ACSR with aluminized steel core.

For faster installations use BURNDY® PATRIOT® family of battery tools.

UNISPLICE™ Single Sleeve, Types YDS-RL, YDS-LT

For AAC (Stranded, Compressed), ACSR, AAAC

(Continued)

Catalog Number	Conductor	Code	L	Die Index	Tools, Die Set Catalog Number, & (Crimps per End)		
					35, 750, Y45†, 46†	60	644 and 444S Series
YDS30LT	312.8 6201	BUTTE	—	317	U317	L317	—
YDS32LT	394.5 6201 394.5 5005 (336.4 E.C. Equiv.)	CANTON RADIANT	14-1/2	642	U642 (12)	L642 (4)	—
YDS341RL	397.5 ACSR (18-1) 419.6 5005	REDE	22	327	U327 (18)	—	9
YDS361RL	477 (18-1) 556.5 (18-1) 587.2 5005	RUBLE	23-1/4	720 788	U-788 (31) Crimps Overlap	L720 Crimps Overlap	9
YDS36LT	559.5 6201 559.5 5005 (477 E.C. Equiv.)	DARIEN REMEX	16	667	P667**	L667 Crimps Overlap	—

** 46 Series tools only.

For faster installations use BURNDY® PATRIOT® family of battery tools.

UNISPLICE™ Single Sleeve, Type YDS-RLNI

For AAC (Stranded, Compressed) , ACSR, AAAC

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



RUS Accepted

Single-sleeve aluminum UNISPLICE™ connectors are designed to splice ACSR as simply as all aluminum. Prefilled with PENETROX™ joint compound, stripsealed, and capped to limited oxide growth and increase life of the connection. Eliminates strand stripping, installing separate steel sleeve and filling with joint compound. Ends ACSR joint failure due to faulty positioning of sleeve and lack of joint compound.

Simplifies hot-line splicing. Electrical and mechanical performance equal to two-piece sleeves. The UNISPLICE™ Type YDS-RLNI connectors are to be installed with the 644 or 444S family of next and indentor tools only.

Catalog Number	Conductor †††	L	Installation Tools / # of Crimps
			644 / 444S Series
YDS4RLNI	4 ACSR (7-1) 4 ACSR (6-1) 4 6201 (7) 4 5005 (7) 4 AAC (7)	10.2	4
YDS2RLNI	2 ACSR (6-1) (7-1) 2 6201 (7) 2 5005 (7) 2 AAC (7)	10.2	4
YDS021RLNI	2 ACSR (7-1) 2 ACSR (6-1) 2 6201 (7) 2 AAC (7)	10.2	4
YDS25RLNI	1/0 ACSR (6-1) 1/0 6201 (7) 1/0 5005 (7) 1/0 AAC (7)	12.4	5
YDS26RLNI	2/0 ACSR (6-1) 2/0 6201 (7) 2/0 5005 (7) 2/0 AAC (7)	12.4	5
YDS27RLNI	3/0 ACSR (6-1) 3/0 6201 (7) 3/0 5005 (7) 3/0 AAC (7)	17.4	7
YDS28RLNI	4/0 ACSR (6-1) 4/0 6201 (7) 4/0 5005 (7) 4/0 AAC (7)	17.4	7
YDS321RLNI	336.4 ACSR (18-1) 336.4 AAC (19) 350 AAC	17.5	7
YDS341RLNI	397.5 ACSR (18-1) 419.6 5005	22.0	9
YDS361RLNI	477 (18-1) 556.5 (18-1) 587.2 5005	23.3	9

†† Accommodates compact conductor.

††† Accommodates ACSR with aluminized steel core.

For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™ Single Sleeve, Types YDS-A, YDS-AT

For AAC (Stranded, Compressed, Compact);

Installed with BURNDY or EEI Dies

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



Full-tension HYSPLICE™ sleeve made of aluminum tubing with staked-in cable stop. Sizes 1/0 and larger are tapered for gradual transition of stress. Installed with standard BURNDY® tooling. Prefilled with PENETROX™ joint compound, stripsealed and capped, to limit oxide growth and increase the life of the connection.

Catalog Number	Conductor	L	EEI Die Index	Index	Tools, Die Set Catalog Number (Crimps per End)	
					MD7, MD6	35, 750, Y45†, 46‡
YDS2CA	2 (7)	3-7/8	6A	693	W693 (8)	U693 (2)
YDS25AT	1/0 (7)	7-1/4	8A	243	W243(6)	U243(3)
YDS27AT	3/0 (7,19)	7-1/4	10A	694	W694 (8)	U694 (4)
YDS28AT	4/0 (7, 19)	10-1/2	11A	249	W249 (12)	U249 (6)
YDS311AT	397.5 (19)	12-1/4	13A	655	—	U655 (10)
YDS331AT	477 (19)	12-3/4	14A	317	—	U317 (9)

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

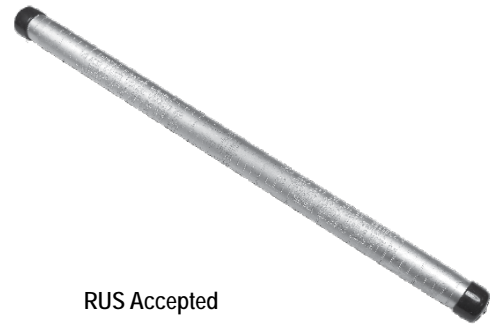
For faster installations use BURNDY® PATRIOT® family of battery tools.

UNISPLICE™ Single Sleeve, Type YDS-RLY For AAC (Stranded, Compressed), ACSR, AAAC

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1
(Full Tension)

Similar to the single-sleeve aluminum UNISPLICE™ connectors Type YDS-RL in most ways, the Type YDS-RLY are specifically designed to eliminate possible conductor basketing (bird caging) on ACSR. Installed by crimping form end of connector towards center with standard installation tooling. Supplied prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and increase the life of the connection. Factory installed tape on pressure relief holes must be in place when conductors are inserted.



RUS Accepted

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

** MD6 NON-BOW Dies produce straight sleeves without rotating tool.

‡ U Die with adapter PUADP1.

† U Die with adapter PT6515.

††† Accommodates ACSR with aluminized steel core.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number	Conductor †††	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)			
				MD7, MD6	35, 750, Y45†, 46‡	60	644 and 444S Series
YDS4RLY	4ACSR (7-1) 4ACSR (6-1) 4 6201 (7) 4 5005 (7) 4AAC (7)	12-1/2	BG, or 243, or 687	BG (20) WBG (10)* W687 (10)**	UBG (8)* U243 (6)	L243 (3)	4
YDS2RLY	2ACSR (6-1) 2 6201 (7) 2 5005 (7) 2AAC (7)	12-3/8	BG, or 243, or 687	BG (20) WBG (10)* W687 (10)**	UBG (8)* U243 (6)	L243 (3)	4
YDS021RLY	2ACSR (7-1) 2ACSR (6-1) 2 6201 (7) 2AAC (7)	14-3/8	C, or 167, or 247, or 702	WC (24) W702 (11)**	U167 (12) U247 (6)	L167 (6)	4
YDS25RLY	1/0 ACSR (6-1) 1/0 6201 (7) 1/0 5005 (7) 1/0 AAC (7)	17	C, or 167, or 247, or 660, or 702	WC (30) W660 (14) W702 (12)**	U167/U568 (14) U660 (7) U247 (7)	L167 (5)	5
YDS26RLY	2/0 ACSR (6-1) 2/0 6201 (7) 2/0 5005 (7) 2/0 AAC (7)	15	659	—	U659 Crimps Overlap	—	5
YDS27RLY	3/0 ACSR (6-1) 3/0 6201 (7) 3/0 5005 (7) 3/0 AAC (7)	21	658	—	U658 Crimps Overlap	—	7
YDS28RLY	4/0 ACSR (6-1) 4/0 6201 (7) 4/0 5005 (7) 4/0 AAC (7)	21	654	—	U654 Crimps Overlap	—	7
YDS321RLY	336.4 ACSR (18-1) 336.4 AAC (19)	20-1/2	655	—	U655 Crimps Overlap	—	7

Overhead Distribution

Compression Splices - Two Sleeve Full Tension
HYSPLICE™ Types YDS-R SET, YDS-RP1, YDS-RP2

HYSPLICE™ Two Sleeve, Types YDS-R SET, YDS-RP1 (Aluminum), YDS-RP2 (Steel)

For ACSR (Stranded, Compressed, Compact)

Material: Aluminum (Outer Sleeve)
Steel (Inner Sleeve)

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



RUS Accepted

Two-piece, full tension HYSPLICE™ connectors, consist of an aluminum outer sleeve and steel inner sleeve. Tapered outer sleeve provides gradual transition of stress. Filler holes provided for PENETROX™ joint compound. Sizes 1/0 and larger are supplied with plugs for filler hole. Installed with standard tooling and dies (Series 35 and Series 750 platforms install through 556). Aluminum and steel sleeves can be ordered separately or in sets.

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number			Conductor	L	Die Index	Tools, Die Set Catalog Number, & (Crimps per End)		
Set	Sleeves					MD7, MD6	35, 750, Y45†, 46‡	60
YDS021R	Steel Alum.	YDS25RP2 YDS021RP1	2 (7/1) Sparate	4.75" 17.00"	242 241	W242 (8) W241 (10)	U242 (4) U241 (5)	—
YDS1R	Steel Alum.	YDS1RP2 YDS1RP1	1 (6/1) Robin	4.13" 16.63"	240 241	W240 (6) W241 (10)	U240 (3) U241 (5)	—
YDS25R	Steel Alum.	YDS25RP2 YDS25RP1	1/0 (6/1) Raven	4.75" 17.00"	242 243	W242 (8) W243 (12)	U242 (4) U243 (6)	—
YDS26R	Steel Alum.	YDS26RP2 YDS26RP1	2/0 (6/1) Quail	5.25" 19.75"	242 245	W242 (8) W245 (15)	U242 (4) U245 (8)	—
YDS27R	Steel Alum.	YDS27RP2 YDS27RP1	3/0 (6/1) Pigeon	5.25" 16.75"	248 247	W248 (16) W247 (12)	U248 (8) U247 (6)	L248 (3)* L247 (4)*
YDS28R	Steel Alum.	YDS28RP2 YDS28RP1	4/0 (6/1) Penguin	5.13" 18.88"	248 249	W248 (14) W249 (14)	U248 (7) U249 (7)	L248 (4)* L249 (4)
YDS291R	Steel Alum.	YDS1RP2 YDS291RP1	266.8 (18 - 1)	4-1/8" 19-3/4"	240 251	W240 (6) —	U240 (3) U251 (12)	— L251 (6)
YDS30R	Steel Alum.	YDS30RP2 YDS30RP1	266.8 (26/7) Owl 266.8 (26/7) Partridge	6.00" 19.75"	250 251	—	U250 (10) U251 (10)	L250 (3) L251 (5)
YDS321R	Steel Alum.	YDS25RP2 YDS321RP1	336.4 (18/1) Merlin	4.75" 17.88"	242 490	W242 (8) —	U242 (4) U490 (10)	L242 (2)* L490 (4)
YDS32R	Steel Alum.	YDS32RP2 YDS33RP1	336.4 (26/7) Linnet 336.4 (30/7) Oriole	6.88" 22.25"	252 316	—	U252 (9) U316 (9)	L252 (3) L316 (3)
YDS33R	Steel Alum.	YDS41RP2 YDS33RP1	336.4 (30/7) Oriole	8.63" 22.25"	305 316	—	U305 (9) U316 (9)	L305 (3) L316 (3)
YDS34R	Steel Alum.	YDS34RP2 YDS35RP1	397.5 (26/7) Ibis 397.5 (30/7) Lark	6.25" 25.63"	253 317	—	U253 (9) U317 (12)	L253 (3) L317 (4)
YDS35R	Steel Alum.	YDS44RP2 YDS35RP1	397.5 (30/7) Lark	8.00" 25.63"	255 317	—	U255 (12) U317 (12)	L255 (4) L317 (4)
YDS361R	Steel Alum.	YDS27RP2 YDS361RP1	477.0 (18/1) Pelican	5.25" 25.63"	248 327	W248 (16) —	U248 (8) U327 (16)	L248 (4)* L327 (5)
YDS326R	Steel Alum.	YDS34RP2 YDS37RP1	477.0 (24/7) Flicker 477.0 (26/7) Hawk 477.0 (30/7) Hen	6.25" 26.38"	253 261	—	U253 (9) U261 (12)	L253 (3) L261 (4)
YDS36R	Steel Alum.	YDS36RP2 YDS37RP1	477.0 (26/7) Hawk	7.88" 26.38"	350 261	—	U350 (12) U261 (12)	L350 (4) L261 (4)

HYSPLICE™ Two Sleeve, Types YDS-R SET, YDS-RP1 (Aluminum), YDS-RP2 (Steel)

For ACSR (Stranded, Compressed, Compact)
 (Continued)



RUS Accepted

Catalog Number		Conductor	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)				
Set	Sleeves				35, 750,	Y45	46	60	
YDS392R	Steel	YDS41RP2 YDS39RP1	556.5 (24-7)	8-5/8 26-1/8	305 608	U305 (9)	†	‡	L305 (3)
	Alum.					U608 (15)	†	‡	L608 (5)
YDS40R	Steel	YDS44RP2 YDS39RP1	556.5 (26-7)	8 26-1/8	255 608	U255 (12)	†	‡	L255 (4)
	Alum.					U608 (15)	†	‡	L608 (5)
YDS42R	Steel	YDS43RP2 YDS43RP1	636 (24-7)	8 32-1/2	254 319	—	S254 (15)	P254 (15)	L254 (5)
	Alum.					—	S319 (18)	P319 (18)	L319 (6)
YDS43R45RS	Steel	YDS45RP2 YDS43RP1	636 (26-7)	9 32-1/2	320 319	—	S320 (15)	P320 (15)	L320 (5)
	Alum.					—	S319 (18)	P319 (18)	L319 (6)
YDS43R43RS	Steel	YDS43RP2 YDS43RP1	666.6 (24-7)	8 32-1/2	254 319	—	S254 (15)	P254 (15)	L254 (5)
	Alum.					—	S319 (18)	P319 (18)	L319 (6)
YDS451R49RS	Steel	YDS49RP2 YDS451RP1	795 (26-7)	10 32-1/2	419 579	—	—	P419 (21)	L419 (7)
	Alum.					—	S579 (13)	P579 (13)	L579 (6)
YDS45R45RS	Steel	YDS45RP2 YDS45RP1	795 (54-7)	9 32-1/2	320 352	—	S320 (15)	P320 (15)	L320 (5)
	Alum.					—	S352 (12)	P352 (12)	L352 (6)
YDS451R34RS	Steel	YDS34RP2 YDS451RP1	900 (45-7)	6-1/4 32-1/2	253 579	U253 (9)	†	‡	L253 (3)
	Alum.					—	S579	P579	L579 (6)
YDS49R	Steel	YDS49RP2 YDS49RP1	1033.5 (54-7)	10 37	419 422	—	—	—	L419 (7)
	Alum.					—	—	—	L422 (8)
YDS50R	Steel	YDS36RP2 YDS49RP1	1113 (45-7)	7-7/8 37	350 422	U350 (12)	†	‡	L350 (4)
	Alum.					—	—	—	L422 (8)

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

For ACSR "Static" Wire

Catalog Number		Conductor	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)			
Set	Sleeves				MD7, MD6	35, 750, Y45†, 46‡	60	
YDS011R	Steel	YDS27RP2 YDS011RP1	80 (8/1)	5-1/4 19-3/4	248 245	W248 (16)	U248 (8)	—
	Alum.					W245 (12)	U245 (6)	—
YDS251R	Steel	YDS34RP2 YDS251RP1	101.8 (12/7)	6-1/4 22-1/4	253 316	—	U253 (9)	L253 (3)
	Alum.					—	U316 (9)	L316 (3)
YDS261R	Steel	YDS41RP2 YDS261RP1	134.6 (12/7)	8-5/8 22-1/4	305 316	—	U305 (9)	L305 (3)
	Alum.					—	U316 (9)	L316 (3)
YDS271R	Steel	YDS44RP2 YDS271RP1	159 (12/7)	8 25-5/8	255 317	—	U255 (12)	L255 (4)
	Alum.					—	U317 (12)	L317 (4)

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

HYSPLICE™ Two Sleeve, Types YDS-R, YDS-RE

For ACSR

Material: Aluminum (Outer Splice)
Steel (Inner Splice)

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



Two-piece, full tension HYSPLICE™ splices, made of aluminum outer sleeve and steel sleeve for steel core. Designed to be installed with BURNDY® EEI dies. BURNDY® and EEI die index numbers are clearly marked on the sleeve.

Catalog Number Aluminum & Steel Sleeve Set	Catalog Number Aluminum Sleeve	Conductor	Aluminum Outer Sleeve					Catalog Number Steel Sleeve	Steel Inner Sleeve				
			L	EEI Die #	Die Index	Tools, Die Set Catalog No., & (Crimps per End)			LL	EEI Die #	Die Index	Tools, Die Set Catalog No., & (Crimps per End)	
						MD6	35, 750, Y45†, 46‡					MD6	35, Y750, Y45†, 46‡
YDS2RE	YDS021REP1	2 (6-1)	17-1/8	6A	693	W693 (20)	U693 (5)	YDS2REP2	4-1/8	1S	690	W690 (8)	U690 (4)
YDS021RE	—	2 (7-1)		8A	243	W243 (10)	U243 (5)	YDS25REP2	4-3/4	2S	691	W691 (9)	U691 (3)
—	YDS25RP1	1/0 (6-1)	19-3/4	9A	245	W245 (12)	U245 (6)	—	5-1/4	4S	692	W692 (12)	U692 (6)
—	YDS26RP1	2/0 (6-1)		10A	694	W694 (12)	U694 (6)	YDS27RP2	5-1/4	5S	248	W248 (8)	U248 (8)
YDS27RE	YDS27RP1	3/0 (6-1)	18-7/8	11A	249	W249 (14)	U249 (7)	YD28REP2	5-1/4	5S	248	W248 (8)	U248 (8)
YDS28RE	YDS28RP1	4/0 (6-1)	17-7/8	13A	655	—	U655 (9)	YDS25REP2	4-3/4	2S	691	W691 (9)	U691 (3)
—	—	336.4 (18-1)		14A	327	W327	U327 (16)	YDS27RP2	5-1/4	5S	248	W248 (8)	U248 (3)
YDS361R	YDS361RP1	477 (18-1)											

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™ Two Sleeve, Types YDS-E, YDS-H, YDS-U

For Steel

Material: Steel

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



Full tension HYSPLICE™ sleeves designed for HS, EHS, Utilities (UT), or Siemens-Martin (SM) galvanized steel guy, messenger, and "Static" conductor. Made of hot-rip galvanized seamless milled steel tubing lined with silicone carbide particles.

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

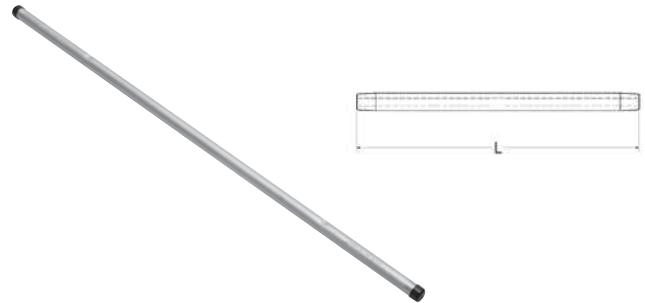
Catalog Number	Conductor			L	Die Index	Tools, Die Set Catalog Number, & (Crimps per End)	
	Size	Str.	Grade			35, 750, Y45†, 46‡	60
YDS250E	1/4	7	EHS	6-3/4	609	U609 (10)	—
YDS312H	5/16	7	HS	10-5/8	257	U257 (20)	L257 (5)*
YDS312E	5/16	7	EHS	8-1/2	305	U305 (6)	L305 (3)
YDS375H	3/8	7	HS, UT	9	304	U304 (12)	L304 (4)
YDS500H	1/2	7	HS	9-5/8	293	—	L293 (6)

**UNISPLICE™ Single Sleeve Replacement Splice,
Type YDSR-RL**

For AAC (Stranded, Compact), ACSR, AAAC

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1A
(Full Tension)



Single sleeve aluminum UNISPLICE™ replacement splices are designed to facilitate the permanent replacement of existing line splices, including automatic type. Utilizing all the benefits of the standard UNISPLICE™ connectors, the extra long Replacement UNISPLICE™ Type YDSR-RL fills the gap of a cutout splice and eliminates the need to find like conductor. It also reduces installation time of the current standard methods by half, reducing the total number of splices necessary from two to one. All splices are prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and to increase the life of the connection.

- ① U Die with adapter PT-6515.
- ② U Die with adapter PUADP-1.
- * Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.
- ** MD6 NON-BOW Dies produce straight sleeves without rotating tool.
- † Overlap Crimps
- For faster installations use BURNDY® PATRIOT® family of battery tools.

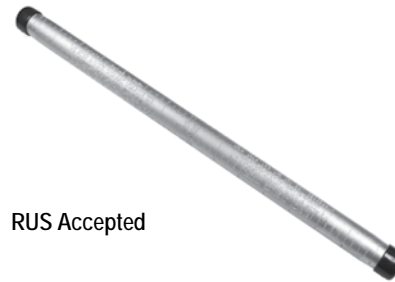
Catalog Number	Conductor		L	Die Index	Installation Tooling Data (# of crimps per end)					
	AWG / kcmil	Str.			MD7, MD6 HYTOOL™	35	750	Y45 ①	46 ②	644 and 444S Series
YDSR4RL	4 ACSR 4 6201 4 5005 4 AAC	6-1; 7-1 7 7 7	24.63"	BG 687 243	WBG (11)* W687 (9)** W243 (11)	UBG (9)* U243 (6)	UBG (9) U243 (6)	UBG (9) U243 (6)	UBG (9) U243 (6)	4
YDSR2RL	2 ACSR 2 6201 2 5005 2 AAC	6-1; 7-1 7 7 7	28.00"	BG 687 243	WBG (20) W687 (10)** W243 (10)	UBG (8)* U243 (5)	UBG (8) U243 (5)	UBG (8) U243 (5)	UBG (8) U243 (5)	4
YDSR25RL	1/0 ACSR 1/0 6201 1/0 5005 1/0 AAC	6-1 7 7 7	34.13"	C 167 247 660 702	WC (30) W247 (14) W660 (15) W702 (14)**	U167/U568 (15) U247 (8) U660 (8)	U167/U568 (15) U247 (8) U660 (8)	U167/U568 (15) U247 (8) U660 (8)	U167/U568 (15) U247 (8) U660 (8)	4
YDSR26RL	2/0 ACSR 2/0 6201 2/0 5005 2/0 AAC	6-1 7 7 7	35.50"	659	—	U659 † (11)	U659 † (11)	U659 † (11)	U659 † (11)	5
YDSR27RL	3/0 ACSR 3/0 6201 3/0 5005 3/0 AAC	6-1 7 7 7	42.25"	658	—	U658 † (16)	U658 † (16)	U658 † (16)	U658 † (16)	5
YDSR28RL	4/0 ACSR 4/0 6201 4/0 5005 4/0 AAC	6-1 7 7 7	45.75"	654	—	U654 † (18)	U654 † (18)	U654 † (18)	U654 † (18)	7
YDSR321RL	336.4 ACSR 336.4 AAC 350.0 AAC	18-1 19 19	45.75"	655	—	U655 † (21)	U655 † (21)	U655 † (21)	U655 † (21)	7
YDSR341RL	397.5 ACSR 419.6 5005	18-1 19	49.50"	327	—	U327 (18)	U327 (18)	U327 (18)	U327 (18)	7
YDS361RL	477 (18-1) 556.5 (18-1) 587.2 5005	18-1 18-1 19	23.21"	720 788	—	U-788 † (31)	U-788 † (31)	U-788 † (31)	U-788 † (31)	9

UNISPLICE™ Reducer Splice; Type YDR-R For AAC (Stranded, Compressed), ACSR, AAAC

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1
(Full Tension)

Single-sleeve aluminum UNISPLICE™ reducer is designed to splice ACSR as simply as all aluminum. Prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and increase the life of the connection. Eliminates strand stripping, installing separate steel sleeve and filling with joint compound. Electrical and mechanical performance equal to two-piece sleeves.



RUS Accepted

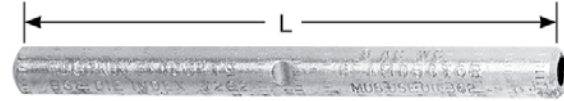
Catalog Number	Side A		Side B		L	OD	Tools, Die Set Catalog Number (# crimps per side)			
	ACSR, 6201, 5005	Aluminum	ACSR, 6201, 5005	Aluminum			Die Index	MD6 / MD7 Series	35 and 750 Series	644 and 444S Series
YDR2R4RG1	#2 (6/1)	#2	#4 (6/1)	#4	11.91	0.66	BG 243	WBG (10) W243 (12)	UBG (1) U243 (6)	4
YDR25R4RL	1/0 (6/1)	1/0	#4 (6/1)	#4	12.93	0.80	167 247 K737	W167 (32) W247 (16) WK737 (32)	U167 (14) U247 (7) UK737 (14)	5
YDR25R2RL	1/0 (6/1)	1/0	#2 (6/1)	#2	12.93	0.80	167 247 K737	W167 (32) W247 (16) WK737 (32)	U167 (14) U247 (7) UK737 (14)	5
YDR27R25RL	3/0 (6/1)	3/0	1/0 (6/1)	1/0	18.18	0.91	658	—	U658 (16 overlap) U658 (11 spaced)	7
YDR28R26R	4/0 (6/1)	4/0	2/0 (6/1)	2/0	18.65	1.02	654	—	U654 (18 overlap) U654 (12 spaced)	7
YDR28R27R	4/0 (6/1)	4/0	3/0 (6/1)	3/0	18.65	1.02	654	—	U654 (18 overlap) U654 (12 spaced)	7
YDR391RL321RL	556.5 (18/1)	—	336.4 (18/1)	—	16.27	1.40	318/261	—	U261 (12)	7

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions. For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™, Type YDS-K For Copperweld

Material: Copper

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



Full tension HYSPLICE™ designed to exceed the minimum rated breaking strength of 30% conductivity extra high strength Copperweld and lower strength conductors. Made of pure copper tubing. Installed with standard BURNDY® tools and dies.

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.
† U Die with adapter PT-6515.
‡ U Die with adapter PUADP-1.
For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog Number	Conductor	L	Die Index	Tool Series, Die Set Catalog Number, & (Crimps per End)		
				MD7, MD6	35, 750, Y45†, 46‡	60
YDS8WK	8 Sol.	3-3/4	285, or 162	W162 (6)	U285 (2)	—
YDS6WK	6 Sol.	4-3/8	276, or 162	W162 (6)	U276 (6)	—
YDS3K10	(3 #10)	4-7/8	403	—	U403 (3)*	—
YDS3K8	(3 #8)	5-5/8	205	—	U205 (5)	—
YDS3K7	5/16 (7 #10) (3 #7)	10	167	—	U167/U568 (10)	L167 (4)
YDS3K6	11/32 (7#9) (3#6)	9-1/2	331	—	U331 (9)	L331 (3)
YDS3K5	3/8 (7 #8) (3 #5)	6-7/8	259	—	U259 (6)	L259 (2)
YDS7K7	7/16 (7 #7)	6-7/8	328	—	—	L328 (3)
YDS7K6	1/2 (7 #6)	9-3/8	260	—	—	L260 (4)
YDS7K5	9/16 (7 #5)	11-3/8	344	—	—	L344 (6)

Single Sleeve Splice, Type YTS-E For EHS Steel

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



RUS Accepted

Full tension splice for EHS steel guy, messenger, or "static" cable. Sleeve is prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and increase the life of the connection.

Catalog Number	Conductor †	L	Tool Series, Die Sets	
	EHS Steel		Die Index	60*
YTS375E	3/8" 7 Str.	10-3/8	723	L723
YTS438E	7/16" 7 Str.	11-7/8	726	L726

* Overlap crimps.

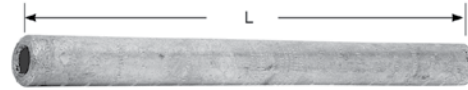
† Sleeve is high strength aluminum alloy for optimum corrosion resistance.

For faster installations use BURNDY® PATRIOT® family of battery tools.

HYSPLICE™, Types YDS-KT, YDS-F For Copperweld, Copper

Material: Copper

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



RUS Accepted

Full tension HYSPLICE™ splice is made of pure copper tubing. Type YDS-KT is tapered to provide gradual transition of stress on Type "A" conductor. HYSPLICE™ Type YDS-F connectors are recommended for Type "F" conductor.

Catalog Number	Conductor	L	Die Index	Tools, Die Set Catalog Number, & (Crimps per End)		
				MD7, MD6	35, 750, Y45†, 46‡	60
YDS8KT	8A	5	162 or 202	W162 (4)	U202 (4)*	—
YDS6KT	6A	6-1/8	162 or 203	W162 (5)	U203 (5)*	—
YDS4KT	4A	6-3/8	163 or 204	W163 (5)	U204 (10)	—
YDS2KT	2A	7-3/4	205	—	U205	—
YDS3K6	11/32 (7#9) (3#6)	9-1/2	331	—	U331 (9)	L331 (3)
YDS2F	2F	6-1/4	329	—	U329 (4)	—
YDS25F	1/0F	8-3/4	568	—	U167/U568 (8)	—
YDS26F	2/0F	9-5/8	552	—	U552 (11)	—
YDS28F	4/0F	11-7/8	331	—	U331 (12)	L331(4)

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Single Sleeve Splice, Type YDS-M-T For Alumoweld

Material: Aluminum

Tension Rating: ANSI C119.4 Class 1
(Full Tension)



RUS Accepted

Full tension splice for Alumoweld transmission lines. Five connectors accommodate eight conductor sizes. Sleeve is pre-filled with PENETROX™ joint compound and capped.

* Overlap crimps.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

††† Sleeve is high strength aluminum alloy for optimum corrosion resistance.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Catalog ††† Number	Conductor ALUMOWELD	L	Tools, Die Sets		
			Die Index	35, 750, Y45†, 46‡	60
YDS7M10T	7 #10, 3 #7	10	676 or 721	U676 (8)	L721
YDS7M9T	7 #9, 3 #6	10-3/8	677	U677 (10)	—
YDS7M8T	7 #8, 3 #5	12-1/4	668 or 723	U668 (13)	L723
YDS7M7T	7 #7	14-1/2	678 or 726	U678 (19)	L726
YDS7M6T	7 #6	15-1/8	679 or 726	U679 (2)	L726

Table of Contents

Deadend Fitting and Accessories.....	H-72
Loop	
Type UP-R.....	H-72
Type BC.....	H-73
Type M.....	H-73
Primary and Bus Strain	
Type CUW-E.....	H-74
Type DUW.....	H-74
Types CUW-A-E, CUW-R-E.....	H-75
Types DUW-A, DUW-A-E.....	H-75

Deadend Fittings and Accessories

General Overview

The deadend method selected for any particular application will depend upon the nature of the application, the size of the conductor, holding strength required, and preference for mechanical or compression devices.

Secondaries are commonly deadended by bending wire around a spool insulator and snubbing with the same connectors used for the secondary to service drop connection. On copper conductor, connectors such as U-bolt deadend Type BC, SERVIT® Type KS, OKLIP™ connector Type KVS or CRIMPIT™ Type YC-C are recommended. These connectors provide high holding strength without damaging conductor strands. On aluminum wires, CLIPIT™ UW-R, mechanical connector is recommended.

The same methods can also be used on primaries. However, the straight line clamp Type CUW-A-E is more popular for this application. They are easier to install on either hot or de-energized lines. They are particularly well suited to hot-line maintenance, and allow easy re-sagging of conductors.

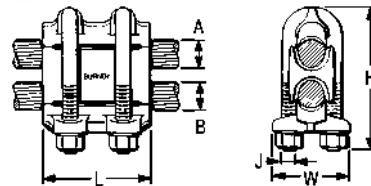
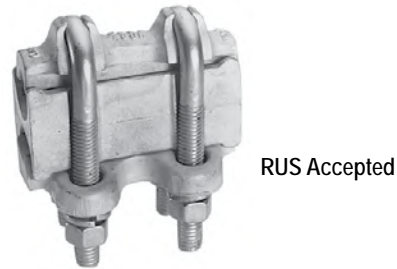
Straight line types are also popular for deadending strain buses. These are normally large, hard to handle conductors that do not lend themselves to snub or "quadrant" types. Types DUW or CUW-E are recommended for copper conductor and DUW-A and DUW-AE for aluminum and ACSR. The pulling eye on the DUW-A-E is in line with the cable to make installation easier.

Heavy Duty Parallel Clamp Type UP-R

For AAC (Stranded, Compressed, Compact†), ACSR†, AAAC, Copper

Material: Aluminum

Heavy duty aluminum connector for feeder, subtransmission, and primary distribution. Massive design and large spacer give maximum protection against galvanic action and overload conditions. Spacing of U-bolts, tapered bell mouths, and modified V groove minimize cold flow, eliminate cable damage, and produce wiping action on conductors. Spacer taps confine cable strands to prevent splaying. Captured, heat treated aluminum alloy U-bolts. PENETROX™ joint compound recommended for all combinations.



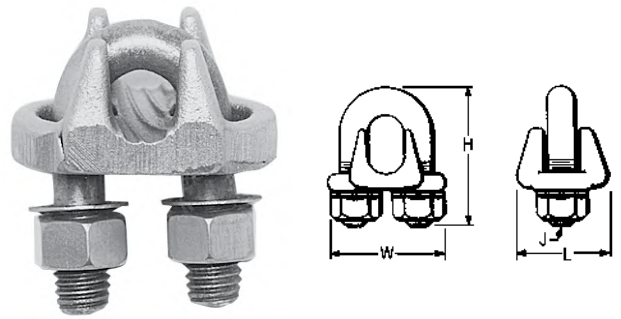
Catalog Number	Groove A		Groove B		Dimensions			
	ACSR †, 6201, 5005	Copper or Aluminum †	ACSR †, 6201, 5005	Copper or Aluminum †	H	J	L	W
UP34R	110.8 (12-7) - 397.5 (18-1)	3/0 Str. - 400	110.8 (12.7) - 397.5 (18-1)	3/0 Str. - 400	4-5/8	1/2-13	4	2-5/8
UP45R36R	336.4 (30-7) - 795 (30-19)	397.5 - 954	110.8 (12-7) - 447 (18-1)	3/0 Str. - 500	5-1/4	1/2-13	4	2-7/8
UP45R	336.4 (30-7) - 795 (30-19)	397.5 - 954	336.4 (30-7) - 795 (30-19)	397.5 - 954	6-1/4	5/8-11	4-1/2	3-1/4

† Accommodates compact and compressed conductors within diameter range.
To ensure proper tightening torque use BURNDY® BTW torque wrenches.

Deadend Clamp, Type BC For Guy Wire

Material: Copper

Deadend clamp for Guy Wire, Type BC is supplied with DURIMUM™ silicon bronze U-bolt, nuts, and washers. Saddle is made of high strength corrosion resistant copper alloy.

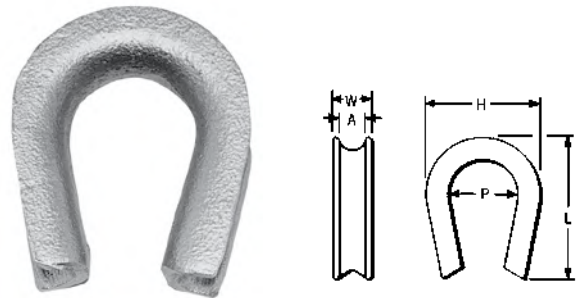


Catalog Number	Copper	Guy Wire	Dimensions			
			H	J	L	W
BC2C	2 Sol.	5/16	2	3/8	1-1/4	1-3/4
BC25	1/0 Str.	3/8			1-3/8	
BC28	2/0 Str. - 4/0 Str.	1/2	2-3/8	1/2	1-3/4	2-1/4

Deadend Thimble, Type M For Copper, Guy Wire

Material: Copper

High strength corrosion resistant copper alloy thimble groove to fit any size guy wire used for deadending. Generous radius prevents kinking or overstressing outer strands of wire.



Catalog Number	Groove Size A	Dimensions			
		H	L	P	W
M20	5/16	1-5/8	1-7/8	7/8	5/8
M30	3/8	1-7/8	2-1/8	1	
M40	7/16	1-3/4	2-5/8	1-1/8	
M50	1/2	1-7/8	2-1/4	1-3/8	7/8
M60	5/8	2-1/4	2-5/8		1
M70	3/4	2-5/8	3-1/4	1-3/4	1-1/4
M80	7/8	3	3-3/8	2	1-3/8
M90	1	3-3/8	3-3/4		

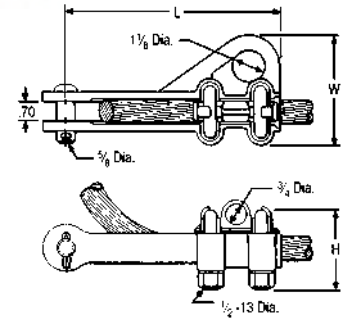
Deadend Clamp, Type CUW-E For Copper

Material: Copper

High strength, two-bolt, cast copper alloy strain clamp with single saddle designed for short span distribution and strain bus application. Galvanized steel clevis pin, and U-bolts.



Catalog Number	Conductor Range	Dimensions		
		H	L	W
CUW34E	4/0 Str. - 500	3	7-3/8	4
CUW44E	500 - 1000	3-3/8	8-3/4	4-1/2



To ensure proper tightening torque use BURNDY® BTW torque wrenches.

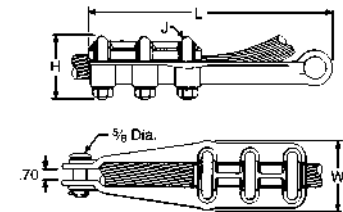
Deadend Clamp, Type DUW For Copper

Material: Copper

High strength, corrosion resistant copper alloy strain clamp with three DURIMUM™ silicon bronze U-bolts and single serrated saddle. Galvanized steel clevis pin.



Catalog Number	Conductor	Dimensions			
		H	J	L	W
DUW28	1 Str. - 4/0 Str.	2-1/2	3/8	9-7/8	2-1/4
DUW31	4/0 Str. - 350	2			2-3/8
DUW34	350-500	2-5/8	1/2		2-3/4
DUW44	500-1000	2-7/8		11-3/8	3-1/4



To ensure proper tightening torque use BURNDY® BTW torque wrenches.

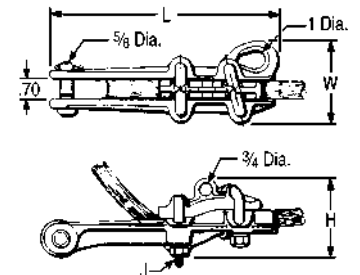
Deadend Clamp, Types CUW-A-E, CUW-R-E For AAC (Stranded, Compressed†), ACSR†, AAAC

Material: Aluminum

High strength, aluminum clamp for deadending primary distribution lines. Straight-line design with hot stick lifting-eye, pulling-eye, and captured, angled U-bolts, facilitates installation and maintenance, especially on hot-line work. Snub-pocket V-shaped, range-taking conductor groove, and galvanized steel U-bolts provide high holding strength.



RUS Accepted



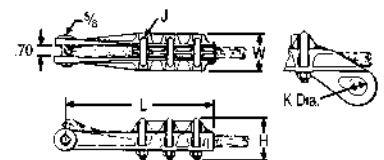
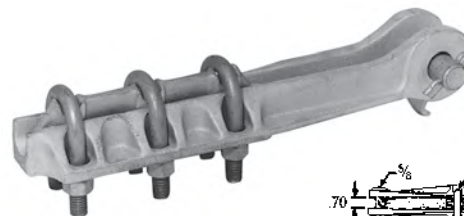
Catalog Number	Aluminum †	ACSR †, 6201, 5005	Dimensions			
			H	J	L	W
CUW26RE1	2 Str. - 2/0 (19)	4 - 2/0	3	3/8-16	8	3
CUW30AE	1/0 (7) - 300	1/0 - 266.8 (18-1)	3-5/8	1/2-13	10	3-1/2
CUW32RE	3/0 (7) - 350	3/0 - 336.4 (26-7)	4	1/2-13	10	3-5/8
CUW361RE	4/0 - 500	4/0 - 477 (18-1)	4-1/8	1/2-13	11	3-5/8
CUW391AE	336.4 - 795	300 (26-7) 636 (26-7)	4-7/8	1/2-13	11	4-1/8

† Accommodates compressed conductors within diameter range.
 To ensure proper tightening torque use BURNDY® BTW torque wrenches.

Deadend Clamp, Types DUW-A, DUW-A-E For AAC (Stranded, Compressed†), ACSR†, AAAC

Material: Aluminum

High strength cast aluminum alloy clamp recommended for strain bus applications. Three galvanized steel U-bolts, single saddle, and headed clevis pin provide high holding strength. Type DUW-A-E has a pulling-eye in line with conductor for easier installation.



Catalog Number		Conductor		Dimensions				
Without Pulling Eye	With Pulling Eye	Aluminum †	ACSR †, 6201, 5005	H	J	K	L	W
DUW28A	—	1 - 4/0	2 (7-1) - 4/0	2	3/8	0.88	9-1/2	2-1/4
DUW44A	DUW44AE	500-1000	397.5 (30.7) - 900 (54-7)	3-3/8	1/2	1.25	11-1/4	3-5/8

† Accommodates compressed conductors within diameter range.
 To ensure proper tightening torque use BURNDY® BTW torque wrenches.

Table of Contents

Compression Terminals and Accessories.....	H-77
Types YCA-2N, YCAB-4N.....	H-77
Type YCA-RL-2N.....	H-78
Types YCA-R-N, YCAK-R-N.....	H-79
Type YAK-A-2G.....	H-81
Types YCAK-A, YRA.....	H-82

Compression Terminals and Accessories General Overview

Compression terminals are used to make convenient and reliable connections to switch pads, transformers, and other electrical equipment. They accommodate either copper, aluminum, ACSR, ACAR, Alumoweld, or steel conductor and come with one, two, or four hole NEMA drilled pads to match the equipment drilling. Standard copper and aluminum terminals are also listed in the compression section (Section C of BURNDY® Master Catalog).

HYLUG™ Terminals, Types YCA-2N, YCAB-4N For Copper

Material: Copper



Compression HYLUG™ terminals designed for terminating copper conductors to switch pads and other substation or switch yard apparatus. NEMA standard mounting holes. Made of pure copper. Installed with same die as equivalent full-tension jumper loop and repair sleeves.

Catalog Number	Conductor	Fig. No.	C	L	T	Die Index	Tool Series, Die Set Catalog Number, & (Number of Crimps)			
							MD7, MD6	35, 750, Y45†, 46‡	60	
YCA252N	1/0 (7, 19)	1	7/8	5-3/8	1/8	165	W165 (3)	U165/U205 (3)	—	
YCA262N	2/0 (7, 19, 37)		1	5-1/4	1/4	166	W166 (6)	U166/U459 (3)	—	
YCA272N	3/0 (7, 19)		1-1/8	5-3/8		167	—	U167/U568 (3)	L167 (1)	
YCA282N	4/0 (7, 12, 19)		1-1/4		3/8	168	—	U168 (3)	L168 (1)	
YCAB284N	4/0 (7, 12, 19)	2	3	—		—	—	—		
YCA292N	250 (7, 19, 37)	1	1-3/8	5-5/8		3/8	169	—	U169 (4)	L169 (1)
YCA302N	300 (19, 37)		1-1/2	5-1/2			170	—	U170 (5)	L170 (1)
YCA312N	350 (12, 19, 37)		1-5/8	6-1/2	1/2	267	—	U267 (6)	L267 (2)	
YCA322N	400 (19, 37)	6-3/4		209		—	U209 (6)	L209 (2)		
YCAB324N	400 (19, 37)	2	3	7-1/8	210	—	—	—		
YCA342N	500 (19, 37)	1	1-7/8	6-1/2		3/8	—	U210 (6)	L210 (2)	
YCAB344N	500 (19, 37)	2	3	6-7/8	1/2	—	—	—		
YCA392N	750 (37, 61)	1	2-3/8	7-1/4	5/8	627	—	—	L627 (3)	
YCAB394N	750 (37, 61)	2	3	7-1/2	1/2	—	—	—	—	
YCAB444N	1000 (61)			7-7/8	5/8	345	—	—	L345 (4)	

YCAB have brazed pads.

† U Die with adapter PT6515

‡ U Die with adapter PUADP1

To ensure proper tightening torque use BURNDY® BTW torque wrenches.

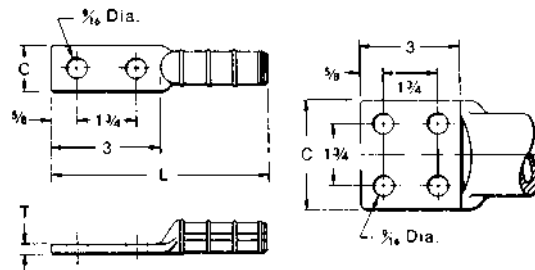


Fig. 1

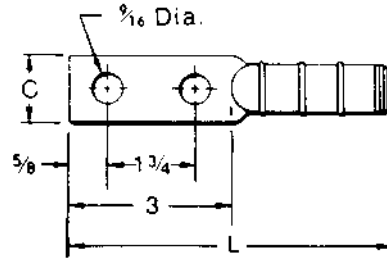
Fig. 2

HYLUG™ Terminals, Type YCA-RL-2N

For AAC (Stranded, Compressed, Compact), ACSR, AAAC

Material: Aluminum

Aluminum compression HYLUG™ for terminating overhead conductors to switch pads and other substation or switch yard apparatus. NEMA standard mounting holes. Installed with same die as equivalent full tension UNISPLICE™. Prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and increase the life of the connection.



Catalog Number	Conductor	C	L	T	Die Index	Tools, Die Set Catalog Number, & (Number of Crimps)		
						MD7, MD6	35, 750, Y45†, 46‡	
YCA4RL2N	4 ACSR (6-1, 7-1) 4 6201 (7) 4 AAC (7)	7/8	6	3/8	BG, 243, 687	WBG (8) Fixed BG (8) W687 (4)	U243	
YCA2RL2N	2 ACSR (6-1, 7-1) 2 6201 (7) 2 AAC (7)							
YCA25RL2N	1/0 ACSR (6-1) 1/0 6201 (7) 1/0 AAC (7) 1/0 5005 (7)	1-1/8	7		C, 247, 702	WC (12) W702 (4)**	U247 (3)	
YCA26RL2N	2/0 ACSR (6-1) 2/0 6201 (7) 2/0 AAC (7) 2/0 5005 (7)				6-1/2	6-1/2	659	—	U659 (3)
YCA27RL2N	3/0 ACSR (6-1) 3/0 6201 (7) 3/0 AAC (7)	1-1/4	658				—	U658 (3)
YCA28RL2N	4/0 ACSR (6-1) 4/0 6201 (7) 4/0 AAC (7) 4/0 5005 (7)	1-1/2	654				—	U654 (3)
YCA321RL2N	336.4 ACSR (18-1) 336.4 AAC (19) 500 AAC	1-5/8	655				—	U655 (3)

† U Die with adapter PT6515.

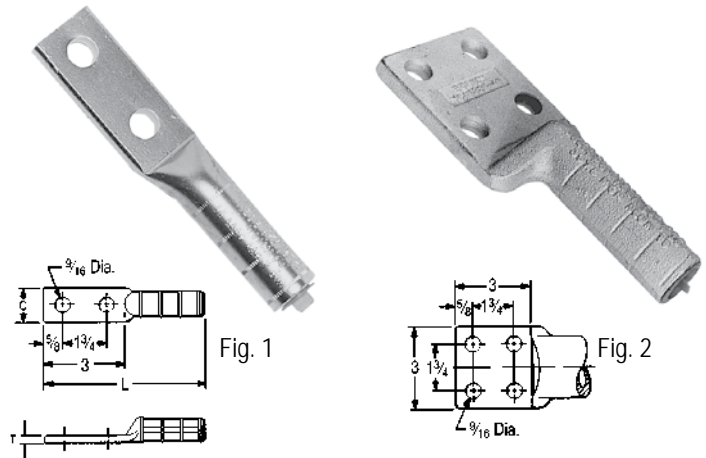
‡ U Die with adapter PUADP1.

** MD6 NON-BOW Dies produce straight sleeves without rotating tool.
For faster installations use BURNDY® PATRIOT® family of battery tools.

HYLUG™ Terminals, Types YCA-R-N, YCAK-R-N
 For AAC (Stranded, Compressed, Compact), ACSR, AAAC

Material: Aluminum

Aluminum compression HYLUG™ for terminating jumper loops and equipment taps at switchpads and other substation apparatus, or to Type YDW-R deadends. NEMA standard mounting holes. Installed with same dies as equivalent full-tension sleeves. Prefilled with PENETROX™ joint compound, stripealed, and capped to limit oxide growth and increase the life of the connection.



Catalog Number	Conductor		Fig No.	C	L	T	Die Index	Die Set, Tool Series Catalog Number, & (Number of Crimps)				
	ACSR, 6201, 5005	Aluminum						MD7, MD6 Series	35, 750	Y45	46	60
YCA4R2N	4	4 (7)	1	1-1/4	5-5/8	1/4	237	W237 (3)	U237 (2)	†	‡	—
YCA2R2N	2	2 (7)		7/8	6-1/4		KS18 243 BG or 8A	239	W239 (3)	U239 (2)	†	‡
YCA25R2N	1/0	1/0 (7,19)	2	3	6-7/8	3/8	245AA	BG (8) WBG (4)* U243 (2)	U-BG (4)	†	‡	—
YCAK25R4N				3	6-7/8	3/8	BG (8) WBG (4)* U243 (2)	U243 (2)	†	‡	L243 (1)	
YCA26R2N	2/0	2/0 (7,19)	1	1	6-3/8	1/4	247	W245 (4)	U245 (2)	†	‡	L245 (1)
YCA27R2N	3/0 - 110.8 (12-7)	3/0 (7,19)		1-1/8	6-3/4		249	W247 (6)	U247 (3)	†	‡	L247 (2)
YCA28R2N	4/0 (6-1, 6-7)	4/0 (7,19)	2	1-1/4	6-7/8	3/8	249	K840 249 11A	U249 (3)	†	‡	L249 (2)
YCAK28R4N				3	7-3/8		249	11A	†	‡	L249 (2)	
YCA30R2N	266.8	266.8 (7,19)	1	1-1/2	6-3/4	3/8	251	—	U251 (4)	†	‡	L251 (2)
YCAK30R4N	(18-1, 6-7 26-7)			2	3		7-3/8	251	—	†	‡	L251 (2)
YCA321R2N	336.4 (18-1)	336.4 (19) - 350 (19, 37, 61)	1	1-1/2	7	3/8	321	—	U321 (4)	†	‡	L321 (2)
YCAK321R4N				2	3		7-1/8	321	—	†	‡	L321 (2)
YCA33R2N	336.4 (26-7, 30-7) 397.5 (18-1)	397.5 (19)	1	1-5/8	7-1/4	3/8	316	—	U316 (4)	†	‡	L316 (2)
YCAK33R4N				2	3		7-3/8	316	—	†	‡	L316 (2)
YCA35R2N	397.5 (26-7, 30-7)	477 (19, 37) - 500 (37, 61)	1	1-7/8	7-1/2	3/8	317	—	U317 (4)	†	‡	L317 (2)
YCAK35R4N				2	3		7-3/8	317	—	†	‡	L317 (2)
YCA361R2N	477 (18-1)	500 (37, 61)	1	1-7/8	7-5/8	7/16	327	—	U327 (4)	†	‡	L327 (2)
YCAK361R4N				2			3	327	—	†	‡	L327 (2)
YCA37R2N	556.5 (18-1)	556.5 (19, 37)	1	2	8-1/8	3/8	261	—	U261 (5)	†	‡	L261 (2)
YCAK37R4N	477 (24-7, 26-7, 30-7)			2			3	261	—	†	‡	L261 (2)
YCA39R2N	556.5 (24-7, 26-7)	—	1	2-1/8	8-3/8	1/2	608	—	U608 (6)	†	‡	L608 (2)
YCAK39R4N				2			3	608	—	†	‡	L608 (2)
YCAK361A4N	—	636 (37)	2	3	8-1/8	1/2	469	—	—	—	P469 (6)	L469 (2)

* Multiple crimp die set; makes more than one crimp per tool compression. Figure indicates number of compressions.
 † U Die with adapter PT6515.
 ‡ U Die with adapter PUADP1.

YCA HYLUGS™ are made from heavy walled tubing. YCA4R-2N, YCA2R-2N and all YCAK HYLUGS™ are cast aluminum alloy. For faster installations use BURNDY® PATRIOT® family of battery tools.

(Table continued on next page.)

HYLUG™ Terminals, Types YCA-R-N, YCAK-R-N
For AAC (Stranded, Compressed, Compact), ACSR, AAAC
(Continued)

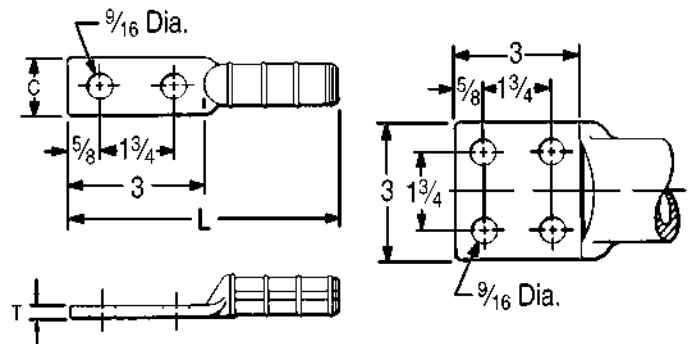


Fig. 1

Fig. 2

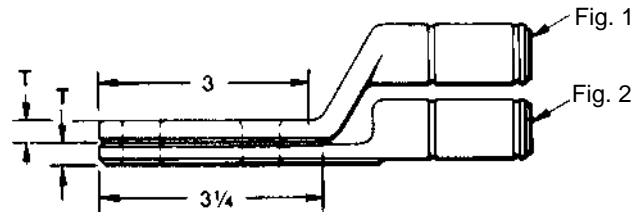
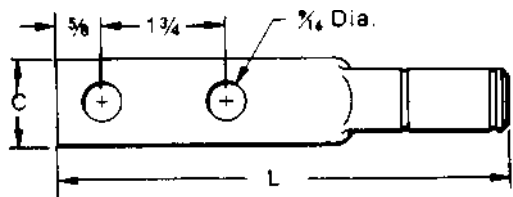
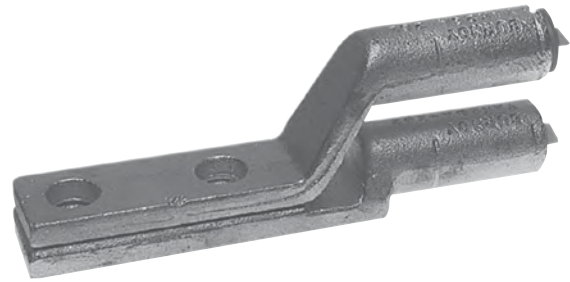
Catalog Number	Conductor		Fig No.	C	L	T	Die Index	Die Set, Tools Catalog Number, & (Number of Crimps)		
	ACSR, 6201, 5005	Aluminum						Y45	46	60
YCA43R2N	605 (30-19)	795 (37, 61)	1	2-1/2	10-1/4	3/4	292 or 319	S292 (6) S319 (6)	P292 (6) P319 (6)	L292 (3) L319 (3)
YCAK43R4N	636 (24-7, 26-7, 30-19) 666.6 (24-7)	700 (61) 750 (61)	2	3	9-5/8					
YCA391A2N	—	795 (37)	1	2-3/8	10-1/8	5/8	342	S342 (6)	P342 (6)	L342 (3)
YCAK391A4N	—	750 (61)			9-7/8					
YCAK453R4N	795 (36-1) 715.5 (26-7) 795 (45-7)	—	2	3	9-5/8	5/8	292*, 578	S292 (6)	P292 (6)	L292 (3)
YCA44A2NG2	—	1000	1	2-3/8	11	5/8	342	S342 (6)	P342 (6)	L342 (3)
YCA45R2N	795 (26-7, 54-7)	900 (61, 91) 954 (37, 61) 1000 (61)			2-1/2						10-1/4	352	S352 (6) S579 (6)	P352 (6) P579 (6)	352 (3) L579 (3)
YCAK45R4N		9-5/8								
YCA48R4N	900 (54-7) 954 (54-7) (45-7) 1033.5 (45-7) (36-1)	—	2	3	10	3/4	575	—	—	L575 (3)
YCA441A4N	—	1033.5 (37, 61) - 113 (61)								
YCA451A4N	1113 (54-19)	1272 (61)			10-1/4	5/8	422	—	—	L422 (3)

* Multiple crimp die set; makes more than one crimp per tool compression.
Figure indicates number of compressions.
YCA HYLUGS™ are made from heavy walled tubing.
YCA4R-2N, YCA2R-2N and all YCAK HYLUGS™ are cast aluminum alloy.
For faster installations use BURNDY® PATRIOT® family of battery tools.

Stacking HYLUG™ Terminals, Type YAK-A-2G
For AAC (Stranded, Compressed)

Material: Aluminum

Cast aluminum HYLUG™ with a special tongue configuration for stacking of conductors on two and four hole NEMA transformer or equipment terminal pads. Up to eight conductors may be staked on one four hole NEMA pad. These stackable HYLUG™ terminals are prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and increase the life of the connection.



Catalog Number	Fig No.	Conductor	C	L	T	Die Index	Tool Series, Die Set & (Number of Crimps)			
							MD7, MD6 Series	35, 750	Y45	46
YAK2CA2G1	1	2 Str.	7/8	5-5/8	1/4	BG K-5/8 243	BG (3) WBG (1) W243 (1)	UBG (1) UK581T (3) U243 (1)	†	‡
YAK2CA2G2	2									
YAK25A2G1	1	1/0 Str.	7/8	5-5/8	1/4	BG K-5/8 243	BG (3) WBG (1) W243 (1)	UBG (1) UK581T (3) U243 (1)	†	‡
YAK25A2G2	2									
YAK28A2G1	1	4/0 Str.**	1-1/8	6-1/4	5/16	249 K-840	W249* WK840*	U249*	†	‡
YAK28A2G2	2									
YAK29A2G1	1	250	1-5/8	6-7/8	3/8	299 705	—	U31ART* U705	†	‡
YAK31A2G1	1	350								
YAK31A2G2	2	350								
YAK311A2G1	1	397.5	1-5/8	7-3/4	7/16	317 705	—	U317* U705*	†	‡
YAK311A2G2	2										397.5
YAK34A2G1	1	500								
YAK34A2G2	2	500								
YAK361A2G1	1	600 636	1-5/8	8-1/4	5/8	608 722 786	—	U608* U786*	†	‡
YAK361A2G2	2										636
YAK39A2G1	1	700								
YAK39A2G2	2	750								
YAK44A2NG8	1	1000	1-5/8	8-7/8	—	302	—	—	S44ART*	P44ART*
YAK44A2NG7	2										1000

* Overlap crimps.

** Accommodates 4/0 Str., Al or Cu.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Aluminum HYLUG™ Terminals, Types YCAK-A, YRA For AAC (Stranded, Compressed), ACSR, Copper

Material: Aluminum

Aluminum HYLUG™ terminals for joining aluminum and copper cable to transformer and equipment pads. HYLUG™ terminals are prefilled with PENETROX™ joint compound, stripsealed, and capped to limit oxide growth and increase the life of the connection. Installed with standard tooling, five die sets install fourteen terminal sizes.

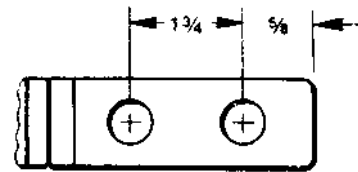
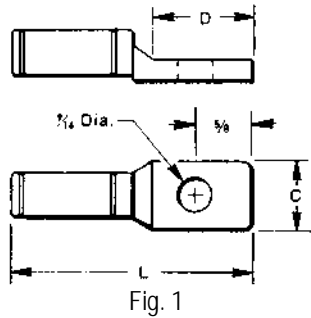


Fig. 2

Catalog Number	Fig No.	Conductor			C	D	L	Die Index	Die Set, Tool Catalog Number & (Number of Crimps)				
		Copper	Aluminum Conc. & Compact	ACSR					MD7, MD6 Series	35, 750	Y45	46	
YRA8CU1	1	6 Sol. - 8 Sol.	8 Str.	—	15/16	1-1/16	2-9/16	BG 243	BG (3) K 5/8 243 (1)	UBG (1) UK5/81T (3) U243 (1)	†	‡	
YRA6CU1		4 Sol. - 6 Str.	4 Sol. - 6 Str.	6 (6-1)									
YRA4CU1		2 Sol. - 4 Str.	2 Sol. - 4 Str.	4 (6-1, 7-1)									
YRA1CU1		1 Str. - 2 Str.	1 Str. - 2 Str.**	2 (6-1, 7-1)									
YRA25A1		—	1/0 Str.	—									
YRAL4CU		2 Sol. - 4 Str.	2 Sol. - 4 Str.	4 (6-1, 7-1)									
YRAL1CU		1 Str. - 2 Str.	1 Str. - 2 Str.	2 (6-1, 7-1)									
YRA25U		1/0 Str.	1/0 Str.	1/0 (6-1)		1-1/4	3-1/4	249 K840	W249* WK840*	U249* UK840	†	‡	
YRA26U		2/0 Str.	2/0 Str.	2/0 (6-1)									
YRA27U		3/0 Str.	3/0 Str.	—									
YRA28U		4/0 Str.	4/0 Str.	—									
YCAK28A2G1*		4/0 Str.	4/0 Str.	—									
YCAK29A2G1*	250	250	4/0 (6-1)	1-1/4	3								5-5/8	317 705	—	U317* U705*	† S705* †	‡ P705* ‡
YCAK31AG1*	350	350	—			1-5/16	4-1/2						
YCAK31A2G1*	—	—	—			—	6-1/4						
YCAK34A2G3*	500	500	—	1-1/2	3	6-1/2	608 786	— —	U608* U786*	† S786* †	‡ P786* ‡		
YCAK36A2G1*	—	600	—									—	6-15/16
YCAK39A2G2*	—	750	—									—	—
YCAK44A2G2*	—	1000	—									1-11/16	7-1/2	302	—	—	S44ART*	P44ART*

* Overlap crimps.

** YRA1CU-1 not recommended for 2 comp. conductor.

† U Die with adapter PT6515.

‡ U Die with adapter PUADP1.

For faster installations use BURNDY® PATRIOT® family of battery tools.

Table of Contents

Full Tension EHV Splice Kits for ACSR ConductorI-3

Terminals for ACSR ConductorI-4

Terminals, EHV, for ACSR ConductorI-5

Jumper Sleeves, EHV, for ACSR ConductorI-6

Full Tension EHV Splice Kits for ACSS ConductorI-7

Terminals for ACSS ConductorI-8

Terminals, EHV, for ACSS ConductorI-9

Jumper Sleeves, EHV, for ACSS ConductorI-10

Full Tension EHV Splices for AAC / ACAR ConductorI-11

Terminals for ACAR Stranded Aluminum CableI-12

Terminals, EHV, for ACAR Stranded Aluminum CableI-13

Jumper Sleeves, EHV, for ACAR Stranded Aluminum CableI-14

Terminals for Alumoweld, EHS SteelI-15

Full Tension Sleeves for AlumoweldI-16

Full Tension Splices for EHS Steel Guy, Messenger, "Static" CableI-17

Full Tension Deadend Kits for ACCC® ConductorI-18

Full Tension Compression Splice Kits for ACCC® ConductorI-20

Terminals for ACCC® ConductorI-21

T-Tap with Pad Connectors for ACCC® ConductorI-23

Repair Sleeves for ACCC® ConductorI-24

Terminal Pad Caps (one piece)I-25

Bolted Bundled Cable SpacersI-26

Bolted Bundled Cable Spacers (Three Conductor)I-28

Spacer DampersI-29

Rigid SpacersI-30

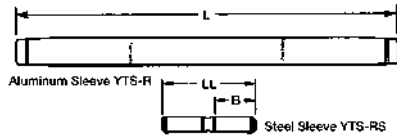
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Type YTS-RT-RS EHV

Full Tension EHV Splice Kit for ACSR Conductor

Full tension, two-piece, compression splice for ACSR transmission lines at 345 kV and over. Outer aluminum sleeve has filler hole and plug for PENETROX™ joint compound. Kit includes the outer aluminum and inner steel sleeves.



Conductor Name	Size kcmil	ACSR Stranding		Splice Kit	Aluminum Sleeve			Steel Sleeve		
		Alum.	Steel		Inches		Die*‡	Inches		Die*
					L	O.D.		LL	B	
Linnet	336.4	26	7	YTS32RT34RS	17.92	1.19	L717	5.74	2.45	L718
Oriole	336.4	30	7	YTS32RT33RS	17.92	1.19	L717	5.74	2.45	L718
Ibis	397.5	26	7	YTS34RT34RS	17.92	1.28	L719	5.74	2.45	L718
Flicker	477	24	7	YTS36RT362RS	18.92	1.41	L720	5.88	2.46	L721
Hawk	477	26	7	YTS36RT36RS	18.92	1.41	L720	5.76	2.46	L721
Parakeet	556.5	24	7	YTS39RT43RS	20.74	1.50	L722	5.90	2.47	L723
Dove	556.5	26	7	YTS39RT43RS	20.74	1.50	L722	5.90	2.47	L723
Peacock	605	24	7	YTS43RT43RS	22.28	1.61	L724	5.90	2.47	L723
Squab	605	26	7	YTS43RT43RS	22.28	1.61	L724	5.90	2.47	L723
Rook	636	24	7	YTS43RT43RS	22.28	1.61	L724	5.90	2.47	L723
Grosbeak	636	26	7	YTS43RT43RS	22.28	1.61	L724	5.90	2.47	L723
Flamingo	666.6	24	7	YTS43RT43RS	22.28	1.61	L724	5.90	2.47	L723
Starling	715.5	26	7	YTS451RT48RS	28.96	1.80	L725	9.00	4.00	L726
Cuckoo	795	24	7	YTS451RT449RS	28.96	1.80	L725	9.00	4.00	L726
Drake	795	26	7	YTS451RT48RS	28.96	1.80	L725	9.00	4.00	L726
Tern	795	45	7	YTS451RT481RS	28.96	1.80	L725	9.00	4.00	L726
Condor	795	54	7	YTS451RT449RS	28.96	1.80	L725	9.00	4.00	L726
Rail	954	45	7	YTS48RT481RS	29.16	1.97	L727	9.00	4.01	L726
Cardinal	954	54	7	YTS48RT48RS	29.16	1.97	L727	9.00	4.00	L726
Ortolan	1033.5	45	7	YTS49RT483RS	29.02	1.97	L727	9.00	4.01	L726
Curlew	1033.5	54	7	YTS49RT48RS	29.02	1.97	L727	9.00	4.00	L726
Bluejay	1113	45	7	YTS49RT483RS	29.02	1.97	L727	9.00	4.01	L726
Finch	1113	54	19	YTS52RT48RS	42.33	2.25	L728	9.00	4.00	L726
Bunting	1192.5	45	7	YTS52RT521RS	42.33	2.25	L728	9.00	4.00	L726
Bittern	1272	45	7	YTS52RT521RS	42.33	2.25	L728	9.00	4.00	L726
Pheasant	1272	54	19	YTS52RT59RS	42.33	2.25	L728	9.00	4.07	L726
Dipper	1351.5	45	7	YTS52RT521RS	42.33	2.25	L728	9.00	4.00	L726
Martin	1351.5	54	19	YTS52RT59RS	42.33	2.25	L728	9.00	4.07	L726
Nuthatch	1510.5	45	7	YTS549RT521RS	34.13	2.50	L729	9.00	4.00	L726
Parrot	1510.5	54	19	YTS549RT59RS	34.13	2.50	L729	9.10	4.07	L726
Lapwing	1590	45	7	YTS549RT549RS	34.13	2.50	L729	9.00	4.00	L726
Falcon	1590	54	19	YTS56RT59RS	34.13	2.50	L729	9.10	4.07	L726
Chukar	1780	84	19	YTS58RT48RS	35.46	2.50	L735	9.00	4.00	L726
Bluebird	2156	84	19	YTS59RT59RS	42.91	2.50	L735	9.10	4.07	L726
Kiwi	2167	72	7	YTS59RT521RS	42.91	2.50	L735	9.00	4.00	L726

Splice Kit: Includes aluminum sleeve and steel sleeve.

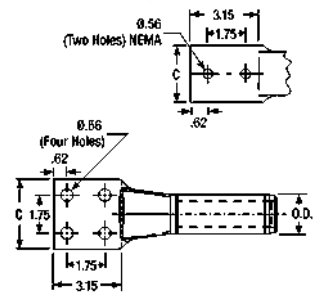
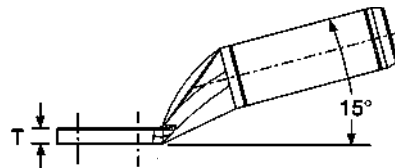
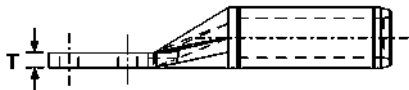
* Overlap crimps.

‡ Wide dies may be used on aluminum only (no steel), add suffix "W" to part number (example: L725W).

NOTE: Remove "T" from middle of part number for non-EHV <230kV version. (Example: YTS56R59RS)

Types YNA-R15, YNA-R Compression Terminals for ACSR Conductor

Compression terminal for ACSR transmission lines up to and including 230 kV. Two hole NEMA tongue through 556.5 kcmil and four hole on larger sizes. Includes PENETROX™ joint compound in barrel and oxide retardant on pad.

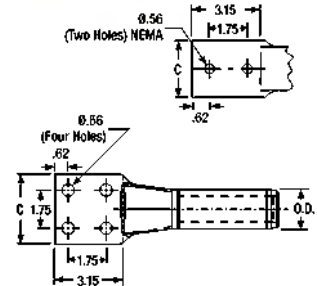
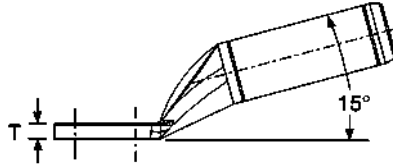
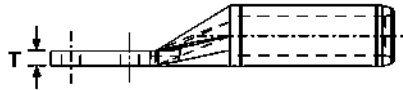


Conductor Name	ACSR		15° Terminal		Straight Terminal		Inches		Die*†	
	Size kcmil	Stranding		Catalog Number	Inches L	Catalog Number	Inches L	C†		T
		Alum.	Steel							
Linnet	336.4	26	7	YNA32R15	8.92	YNA32R	8.96	1.68	0.39	L717
Oriole	336.4	30	7	YNA32R15	8.92	YNA32R	8.96	1.68	0.39	L717
Ibis	397.5	26	7	YNA34R15	9.31	YNA34R	9.08	1.78	0.46	L719
Flicker	477	24	7	YNA36R15	9.62	YNA36R	9.47	1.96	0.48	L720
Hawk	477	26	7	YNA36R15	9.62	YNA36R	9.47	1.96	0.48	L720
Parakeet	556.5	24	7	YNA39R15	10.09	YNA39R	9.84	2.08	0.53	L722
Dove	556.5	26	7	YNA39R15	10.09	YNA39R	9.84	2.08	0.53	L722
Peacock	605	24	7	YNA43R15	10.16	YNA43R	10.07	3.07	0.36	L724
Squab	605	26	7	YNA43R15	10.16	YNA43R	10.07	3.07	0.36	L724
Rook	636	24	7	YNA43R15	10.16	YNA43R	10.07	3.07	0.36	L724
Grosbeak	636	26	7	YNA43R15	10.16	YNA43R	10.07	3.07	0.36	L724
Flamingo	666.6	24	7	YNA43R15	10.16	YNA43R	10.07	3.07	0.36	L724
Starling	715.5	26	7	YNA451R15	10.21	YNA451R	10.28	3.22	0.45	L725
Cuckoo	795	24	7	YNA451R15	10.21	YNA451R	10.28	3.22	0.45	L725
Drake	795	26	7	YNA451R15	10.21	YNA451R	10.28	3.22	0.45	L725
Tern	795	45	7	YNA451R15	10.21	YNA451R	10.28	3.22	0.45	L725
Condor	795	54	7	YNA451R15	10.21	YNA451R	10.28	3.22	0.45	L725
Ruddy	900	45	7	YNA49R15	10.35	YNA49R	10.46	3.22	0.52	L727
Rail	954	45	7	YNA49R15	10.35	YNA49R	10.46	3.22	0.52	L727
Cardinal	954	54	7	YNA49R15	10.35	YNA49R	10.46	3.22	0.52	L727
Ortolan	1033.5	45	7	YNA49R15	10.35	YNA49R	10.46	3.22	0.52	L727
Curlew	1033.5	54	7	YNA49R15	10.35	YNA49R	10.46	3.22	0.52	L727
Bluejay	1113	45	7	YNA49R15	10.35	YNA49R	10.46	3.22	0.52	L727
Finch	1113	54	19	YNA52R15	12.09	YNA52R	12.24	3.22	0.71	L728
Bunting	1192.5	45	7	YNA52R15	12.09	YNA52R	12.24	3.22	0.71	L728
Bittern	1272	45	7	YNA52R15	12.09	YNA52R	12.24	3.22	0.71	L728
Pheasant	1272	54	19	YNA52R15	12.09	YNA52R	12.24	3.22	0.71	L728
Dipper	1351.5	45	7	YNA52R15	12.09	YNA52R	12.24	3.22	0.71	L728
Martin	1351.5	54	19	YNA52R15	12.09	YNA52R	12.24	3.22	0.71	L728
Nuthatch	1510.5	45	7	YNA56R15	12.50	YNA56R	12.74	3.44	0.81	L729
Parrot	1510.5	54	19	YNA56R15	12.50	YNA56R	12.74	3.44	0.81	L729
Lapwing	1590	45	7	YNA56R15	12.50	YNA56R	12.74	3.44	0.81	L729
Falcon	1590	54	19	YNA56R15	12.50	YNA56R	12.74	3.44	0.81	L729
Chukar	1780	84	19	YNA58R15	13.25	YNA58R	13.34	3.47	0.76	L735
Bluebird	2156	84	19	YNA59R15	13.12	YNA59R	13.25	3.57	0.61	L735
Kiwi	2167	72	7	YNA59R15	13.12	YNA59R	13.25	3.57	0.61	L735

† Two hole NEMA pads standard on conductors up to 556.5 kcmil; Four hole NEMA pads on larger conductor sizes.
 To specify hardware for bolting to corresponding Deadends add the suffix H to the catalog number (example: YNA52RH).
 * Overlap crimps.
 ‡ Wide dies may be used on aluminum only (no steel), add suffix "W" to part number (example: L725W).

Types YNA-RT15, YNA-RT EHV
Compression Terminals for ACSR Conductor

Compression terminal for ACSR transmission lines at 345 kV and over. Two hole NEMA tongue supplied through 636 kcmil and four hole on larger sizes. Includes PENETROX™ joint compound in barrel and oxide retardant on pad.



Conductor Name	ACSR		15° Terminal		Straight Terminal		Inches		Die†‡	
	Size kcmil	Stranding		Catalog Number	Inches L	Catalog Number	Inches L	C†		T
		Alum.	Steel							
Linnnet	336.4	26	7	YNA32RT15	9.04	YNA32RT	9.14	1.68	0.39	L717
Oriole	336.4	30	7	YNA32RT15	9.04	YNA32RT	9.14	1.68	0.39	L717
Ibis	397.5	26	7	YNA34RT15	9.21	YNA34RT	9.3	1.78	0.46	L719
Flicker	477	24	7	YNA36RT15	9.63	YNA36RT	9.7	1.96	0.48	L720
Hawk	477	26	7	YNA36RT15	9.63	YNA36RT	9.7	1.96	0.48	L720
Parakeet	556.5	24	7	YNA39RT15	10.02	YNA39RT	10.09	2.08	0.53	L722
Dove	556.5	26	7	YNA39RT15	10.02	YNA39RT	10.09	2.08	0.53	L722
Peacock	605	24	7	YNA43RT15	10.21	YNA43RT	10.32	3.22	0.36	L724
Squab	605	26	7	YNA43RT15	10.21	YNA43RT	10.32	3.22	0.36	L724
Rook	636	24	7	YNA43RT15	10.21	YNA43RT	10.32	3.22	0.36	L724
Grosbeak	636	26	7	YNA43RT15	10.21	YNA43RT	10.32	3.22	0.36	L724
Flamingo	666.6	24	7	YNA43RT15	10.21	YNA43RT	10.32	3.22	0.36	L724
Starling	715.5	26	7	YNA451RT15	10.65	YNA451RT	10.57	3.22	0.45	L725
Cuckoo	795	24	7	YNA451RT15	10.65	YNA451RT	10.57	3.22	0.45	L725
Drake	795	26	7	YNA451RT15	10.65	YNA451RT	10.57	3.22	0.45	L725
Tern	795	45	7	YNA451RT15	10.65	YNA451RT	10.57	3.22	0.45	L725
Condor	795	54	7	YNA451RT15	10.65	YNA451RT	10.57	3.22	0.45	L725
Ruddy	900	45	7	YNA49RT15	10.94	YNA49RT	10.77	3.22	0.52	L727
Rail	954	45	7	YNA49RT15	10.94	YNA49RT	10.77	3.22	0.52	L727
Cardinal	954	54	7	YNA49RT15	10.94	YNA49RT	10.77	3.22	0.52	L727
Oortolan	1033.5	45	7	YNA49RT15	10.94	YNA49RT	10.77	3.22	0.52	L727
Curlew	1033.5	54	7	YNA49RT15	10.94	YNA49RT	10.77	3.22	0.52	L727
Bluejay	1113	45	7	YNA49RT15	10.94	YNA49RT	10.77	3.22	0.52	L727
Finch	1113	54	19	YNA52RT15	12.62	YNA52RT	13.82	3.22	0.71	L728
Bunting	1192.5	45	7	YNA52RT15	12.62	YNA52RT	13.82	3.22	0.71	L728
Bittern	1272	45	7	YNA52RT15	12.62	YNA52RT	13.82	3.22	0.71	L728
Pheasant	1272	54	19	YNA52RT15	12.62	YNA52RT	13.82	3.22	0.71	L728
Dipper	1351.5	45	7	YNA52RT15	12.62	YNA52RT	13.82	3.22	0.71	L728
Martin	1351.5	54	19	YNA52RT15	12.62	YNA52RT	13.82	3.22	0.71	L728
Nuthatch	1510.5	45	7	YNA56RT15	13.36	YNA56RT	13.76	3.44	0.86	L729
Parrot	1510.5	54	19	YNA56RT15	13.36	YNA56RT	13.76	3.44	0.86	L729
Lapwing	1590	45	7	YNA56RT15	13.36	YNA56RT	13.76	3.44	0.86	L729
Falcon	1590	54	19	YNA56RT15	13.36	YNA56RT	13.76	3.44	0.86	L729
Chukar	1780	84	19	YNA58RT15	14.08	YNA58RT	13.7	3.47	0.80	L735
Bluebird	2156	84	19	YNA59RT15	13.75	YNA59RT	13.54	3.57	0.64	L735
Kiwi	2167	72	7	YNA59RT15	13.75	YNA59RT	13.54	3.57	0.64	L735

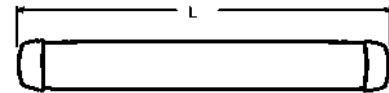
† Two hole NEMA pads standard for conductors up to 556.5 kcmil; Four hole NEMA pads on larger conductor sizes. Shielding cap STS43A-4N required for EHV applications (two caps required). To specify hardware for bolting to corresponding Deadends add the suffix H to catalog number (example: YNA52RTH).

* Overlap crimps.

‡ Wide dies may be used on aluminum only (no steel), add suffix "W" to part number (example: L725W).

Type YNS-RT EHV Jumper Loop Sleeve for ACSR Conductor

Compression terminal for ACSR transmission lines over 230 kV. Sleeve is pre-filled with PENETROX™ joint compound and capped.



Conductor Name	ACSR		Jumper Sleeve	Inches		Die*†	
	Size kcmil	Stranding		L	O.D.		
		Alum.					Steel
Linnet	336.4	26	7	YNS32RT	8.96	1.19	L717
Oriole	336.4	30	7	YNS32RT	8.96	1.19	L717
Ibis	397.5	26	7	YNS34RT	9.10	1.30	L719
Flicker	477	24	7	YNS36RT	9.64	1.41	L720
Hawk	477	26	7	YNS36RT	9.64	1.41	L720
Parakeet	556.5	24	7	YNS39RT	10.26	1.50	L722
Dove	556.5	26	7	YNS39RT	10.26	1.50	L722
Peacock	605	24	7	YNS43RT	10.48	1.61	L724
Squab	605	26	7	YNS43RT	10.48	1.61	L724
Rook	636	24	7	YNS43RT	10.48	1.61	L724
Grosbeak	636	26	7	YNS43RT	10.48	1.61	L724
Flamingo	666.6	24	7	YNS43RT	10.48	1.61	L724
Starling	715.5	26	7	YNS451RT	10.60	1.80	L725
Cuckoo	795	24	7	YNS451RT	10.60	1.80	L725
Drake	795	26	7	YNS451RT	10.60	1.80	L725
Tern	795	45	7	YNS451RT	10.60	1.80	L725
Condor	795	54	7	YNS451RT	10.60	1.80	L725
Ruddy	900	45	7	YNS49RT	10.66	1.97	L727
Rail	954	45	7	YNS49RT	10.66	1.97	L727
Cardinal	954	54	7	YNS49RT	10.66	1.97	L727
Ortolan	1033.5	45	7	YNS49RT	10.66	1.97	L727
Curlew	1033.5	54	7	YNS49RT	10.66	1.97	L727
Bluejay	1113	45	7	YNS49RT	10.66	1.97	L727
Finch	1113	54	19	YNS52RT	16.20	2.25	L728
Bunting	1192.5	45	7	YNS52RT	16.20	2.25	L728
Bittern	1272	45	7	YNS52RT	16.20	2.25	L728
Pheasant	1272	54	19	YNS52RT	16.20	2.25	L728
Dipper	1351.5	45	7	YNS52RT	16.20	2.25	L728
Martin	1351.5	54	19	YNS52RT	16.20	2.25	L728
Nuthatch	1510.5	45	7	YNS56RT	15.58	2.50	L729
Parrot	1510.5	54	19	YNS56RT	15.58	2.50	L729
Lapwing	1590	45	7	YNS56RT	15.58	2.50	L729
Falcon	1590	54	19	YNS56RT	15.58	2.50	L729
Chukar	1780	84	19	YNS58RT	15.46	2.50	L735
Bluebird	2156	84	19	YNS59RT	15.14	2.50	L735
Kiwi	2167	72	7	YNS59RT	15.14	2.50	L735

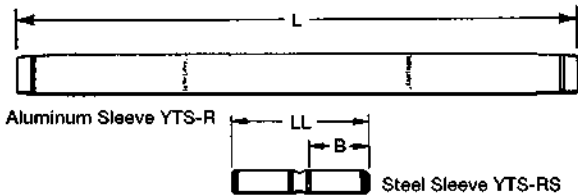
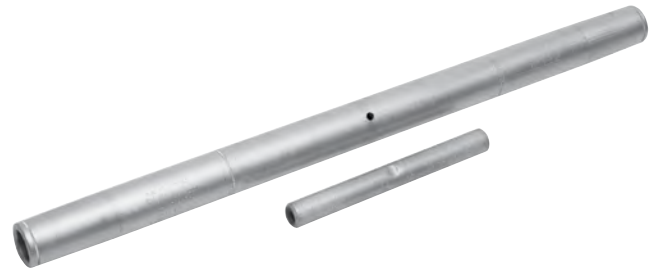
* Overlap crimps.

† Wide dies may be used on aluminum only, add suffix "W" to part number (example: L725W).

NOTE: Remove "T" suffix for part number for non-EHV <230kV version. (Example: YNS58R)

Type YTS-RT-RSHT EHV
Full Tension EHV Splice Kit for ACSS Conductor

Full tension, two-piece, compression splice for 250° C ACSS transmission lines at 345 kV and over. Outer aluminum sleeve has filler hole and plug for PENETROX™ joint compound. Kit includes the outer aluminum and inner steel sleeves.



Conductor Name	ACSS		Splice Kit	Aluminum Sleeve			Steel Sleeve			
	Size kcmil	Stranding		Inches		Die* ‡	Inches		Die*	
		Alum.		Steel	L		O.D.	LL		B
Linnet	336.4	26	7	YTS32RT34RSHT	25.92	1.19	L717	5.74	2.45	L718
Oriole	336.4	30	7	YTS32RT33RSHT	25.92	1.19	L717	5.74	2.45	L718
Ibis	397.5	26	7	YTS34RT34RSHT	25.92	1.28	L719	5.74	2.45	L718
Flicker	477	24	7	YTS36RT362RSHT	26.92	1.41	L720	5.88	2.46	L721
Hawk	477	26	7	YTS36RT36RSHT	26.92	1.41	L720	5.76	2.46	L721
Parakeet	556.5	24	7	YTS39RT43RSHT	28.74	1.50	L722	5.90	2.47	L723
Dove	556.5	26	7	YTS39RT43RSHT	28.74	1.50	L722	5.90	2.47	L723
Peacock	605	24	7	YTS43RT43RSHT	30.28	1.61	L724	5.90	2.47	L723
Squab	605	26	7	YTS43RT43RSHT	30.28	1.61	L724	5.90	2.47	L723
Rook	636	24	7	YTS43RT43RSHT	30.28	1.61	L724	5.90	2.47	L723
Grosbeak	636	26	7	YTS43RT43RSHT	30.28	1.61	L724	5.90	2.47	L723
Flamingo	666.6	24	7	YTS43RT43RSHT	30.28	1.61	L724	5.90	2.47	L723
Starling	715.5	26	7	YTS451RT48RSHT	36.96	1.80	L725	9.00	4.00	L726
Cuckoo	795	24	7	YTS451RT449RSHT	36.96	1.80	L725	9.00	4.00	L726
Drake	795	26	7	YTS451RT48RSHT	36.96	1.80	L725	9.00	4.00	L726
Tern	795	45	7	YTS451RT48RSHT	36.96	1.80	L725	9.00	4.00	L726
Condor	795	54	7	YTS451RT449RSHT	36.96	1.80	L725	9.00	4.00	L726
Rail	954	45	7	YTS48RT481RSHT	37.96	1.97	L727	9.00	4.01	L726
Cardinal	954	54	7	YTS48RT48RSHT	37.96	1.97	L727	9.00	4.01	L726
Ortolan	1033.5	45	7	YTS49RT483RSHT	37.02	1.97	L727	9.00	4.01	L726
Curlew	1033.5	54	7	YTS49RT48RSHT	37.02	1.97	L727	9.00	4.00	L726
Bluejay	1113	45	7	YTS49RT483RSHT	37.02	1.97	L727	9.00	4.01	L726
Finch	1113	54	19	YTS52RT48RSHT	50.33	2.25	L728	9.00	4.00	L726
Bunting	1192.5	45	7	YTS52RT521RSHT	50.33	2.25	L728	9.00	4.00	L726
Bittern	1272	45	7	YTS52RT521RSHT	50.33	2.25	L728	9.00	4.00	L726
Pheasant	1272	54	19	YTS52RT59RSHT	50.33	2.25	L728	9.10	4.07	L726
Dipper	1351.5	45	7	YTS52RT521RSHT	50.33	2.25	L728	9.00	4.00	L726
Martin	1351.5	54	19	YTS52RT59RSHT	50.33	2.25	L728	9.10	4.07	L726
Nuthatch	1510.5	45	7	YTS549RT521RSHT	42.13	2.50	L729	9.00	4.00	L726
Parrot	1510.5	54	19	YTS549RT59RSHT	42.13	2.50	L729	9.10	4.07	L726
Lapwing	1590	45	7	YTS549RT549RSHT	42.13	2.50	L729	9.00	4.00	L726
Falcon	1590	54	19	YTS56RT59RSHT	42.13	2.50	L729	9.10	4.07	L726
Chukar	1780	84	19	YTS58RT48RSHT	43.46	2.50	L735	9.00	4.00	L726
Bluebird	2156	84	19	YTS59RT59RSHT	50.91	2.50	L735	9.10	4.07	L726
Kiwi	2167	72	7	YTS59RT521RSHT	50.91	2.50	L735	9.00	4.00	L726

Splice Kit: Includes aluminum sleeve and steel sleeve.

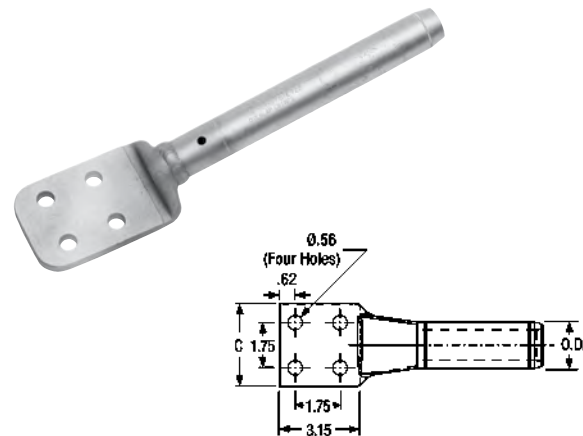
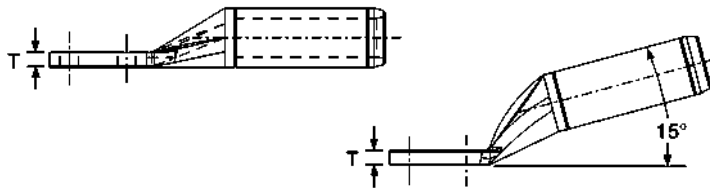
* Overlap crimps.

‡ Wide dies may be used on aluminum only (no steel), add suffix "W" to part number (example: L725W).

NOTE: Remove "T" from middle of part number for non-EHV <230kV version. (Example: YTS56R59RSHT)

Types BYNA-R15HT, BYNA-RHT Compression Terminals for ACSS Conductor

Compression terminal for ACSS transmission lines up to and including 230 kV.



Conductor Name	ACSS		15° Terminal		Straight Terminal		Inches			Die*†	
	Size kcmil	Stranding		Catalog Number	Inches L	Catalog Number	Inches L	C	D		T
		Alum.	Steel								
Linnet	336.4	26	7	BYNA32R15HT	16.21	BYNA32RHT	16.56	3.25	4.50	0.75	L717
Oriole	336.4	30	7	BYNA32R15HT	16.21	BYNA32RHT	16.56	3.25	4.50	0.75	L717
Ibis	397.5	26	7	BYNA34R15HT	16.24	BYNA34RHT	16.60	3.25	4.50	0.75	L719
Flicker	477	24	7	BYNA36R15HT	16.51	BYNA36RHT	16.92	3.25	4.50	0.75	L720
Hawk	477	26	7	BYNA36R15HT	16.51	BYNA36RHT	16.92	3.25	4.50	0.75	L720
Parakeet	556.5	24	7	BYNA39R15HT	16.89	BYNA39RHT	17.30	3.25	4.50	0.75	L722
Dove	556.5	26	7	BYNA39R15HT	16.89	BYNA39RHT	17.30	3.25	4.50	0.75	L722
Peacock	605	24	7	BYNA43R15HT	14.41	BYNA43RHT	15.46	3.07	3.95	0.36	L724
Squab	605	26	7	BYNA43R15HT	14.41	BYNA43RHT	15.46	3.07	3.95	0.36	L724
Rook	636	24	7	BYNA43R15HT	14.41	BYNA43RHT	15.46	3.07	3.95	0.36	L724
Grosbeak	636	26	7	BYNA43R15HT	14.41	BYNA43RHT	15.46	3.07	3.95	0.36	L724
Flamingo	666.6	24	7	BYNA43R15HT	14.41	BYNA43RHT	15.46	3.07	3.95	0.36	L724
Starling	715.5	26	7	BYNA451R15HT	15.10	BYNA451RHT	15.46	3.22	3.95	0.45	L725
Cuckoo	795	24	7	BYNA451R15HT	15.10	BYNA451RHT	15.46	3.22	3.95	0.45	L725
Drake	795	26	7	BYNA451R15HT	15.10	BYNA451RHT	15.46	3.22	3.95	0.45	L725
Tern	795	45	7	BYNA451R15HT	15.10	BYNA451RHT	15.46	3.22	3.95	0.45	L725
Condor	795	54	7	BYNA451R15HT	15.10	BYNA451RHT	15.46	3.22	3.95	0.45	L725
Ruddy	900	45	7	BYNA49R15HT	15.14	BYNA49RHT	15.66	3.22	3.95	0.52	L727
Rail	954	45	7	BYNA49R15HT	15.14	BYNA49RHT	15.66	3.22	3.95	0.52	L727
Cardinal	954	54	7	BYNA49R15HT	15.14	BYNA49RHT	15.66	3.22	3.95	0.52	L727
Ortolan	1033.5	45	7	BYNA49R15HT	15.14	BYNA49RHT	15.66	3.22	3.95	0.52	L727
Curlew	1033.5	54	7	BYNA49R15HT	15.14	BYNA49RHT	15.66	3.22	3.95	0.52	L727
Bluejay	1113	45	7	BYNA49R15HT	15.14	BYNA49RHT	15.66	3.22	3.95	0.52	L727
Finch	1113	54	19	BYNA52R15HT	16.81	BYNA52RHT	18.71	3.22	3.95	0.71	L728
Bunting	1192.5	45	7	BYNA52R15HT	16.81	BYNA52RHT	18.71	3.22	3.95	0.71	L728
Bittern	1272	45	7	BYNA52R15HT	16.81	BYNA52RHT	18.71	3.22	3.95	0.71	L728
Pheasant	1272	54	19	BYNA52R15HT	16.81	BYNA52RHT	18.71	3.22	3.95	0.71	L728
Dipper	1351.5	45	7	BYNA52R15HT	16.81	BYNA52RHT	18.71	3.22	3.95	0.71	L728
Martin	1351.5	54	19	BYNA52R15HT	16.81	BYNA52RHT	18.71	3.22	3.95	0.71	L728
Nuthatch	1510.5	45	7	BYNA56R15HT	17.56	BYNA56RHT	18.65	3.44	3.95	0.86	L729
Parrot	1510.5	54	19	BYNA56R15HT	17.56	BYNA56RHT	18.65	3.44	3.95	0.86	L729
Lapwing	1590	45	7	BYNA56R15HT	17.56	BYNA56RHT	18.65	3.44	3.95	0.86	L729
Falcon	1590	54	19	BYNA56R15HT	17.56	BYNA56RHT	18.65	3.44	3.95	0.86	L729
Chukar	1780	84	19	BYNA58R15HT	18.28	BYNA58RHT	18.59	3.47	3.95	0.80	L735
Bluebird	2156	84	19	BYNA59R15HT	17.95	BYNA59RHT	18.43	3.57	3.95	0.64	L735
Kiwi	2167	72	7	BYNA59R15HT	17.95	BYNA59RHT	18.43	3.57	3.95	0.64	L735

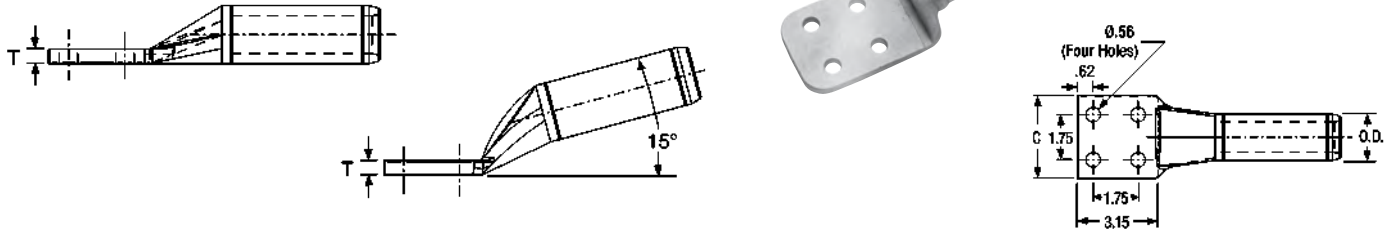
To specify hardware for bolting to corresponding dead-ends add the suffix "H" to the catalog number (example: BYNA52RHHT).

* Overlap crimps.

† Wide dies may be used on aluminum only (no steel), add suffix "W" to part number (example: L725W).

Types BYNA-RT15HT, BYNA-RTHT EHV
Compression Terminals for ACSS Conductor

Compression terminal for 250° C ACSS transmission lines at 345 kV and over.



Conductor Name	ACSS		15° Terminal		Straight Terminal		Inches			Die*†	
	Size kcmil	Stranding		Catalog Number	Inches L	Catalog Number	Inches L	C	D		T
		Alum.	Steel								
Linnnet	336.4	26	7	BYNA32RT15HT	16.41	BYNA32RTHT	16.56	3.25	4.50	0.75	L717
Oriole	336.4	30	7	BYNA32RT15HT	16.41	BYNA32RTHT	16.56	3.25	4.50	0.75	L717
Ibis	397.5	26	7	BYNA34RT15HT	16.45	BYNA34RTHT	16.60	3.25	4.50	0.75	L719
Flicker	477	24	7	BYNA36RT15HT	16.76	BYNA36RTHT	16.92	3.25	4.50	0.75	L720
Hawk	477	26	7	BYNA36RT15HT	16.76	BYNA36RTHT	16.92	3.25	4.50	0.75	L720
Parakeet	556.5	24	7	BYNA39RT15HT	17.12	BYNA39RTHT	17.30	3.25	4.50	0.75	L722
Dove	556.5	26	7	BYNA39RT15HT	17.12	BYNA39RTHT	17.30	3.25	4.50	0.75	L722
Peacock	605	24	7	BYNA43RT15HT	14.41	BYNA43RTHT	15.46	3.07	3.95	0.36	L724
Squab	605	26	7	BYNA43RT15HT	14.41	BYNA43RTHT	15.46	3.07	3.95	0.36	L724
Rook	636	24	7	BYNA43RT15HT	14.41	BYNA43RTHT	15.46	3.07	3.95	0.36	L724
Grosbeak	636	26	7	BYNA43RT15HT	14.41	BYNA43RTHT	15.46	3.07	3.95	0.36	L724
Flamingo	666.6	24	7	BYNA43RT15HT	14.41	BYNA43RTHT	15.46	3.07	3.95	0.36	L724
Starling	715.5	26	7	BYNA451RT15HT	15.10	BYNA451RTHT	15.46	3.22	3.95	0.45	L725
Cuckoo	795	24	7	BYNA451RT15HT	15.10	BYNA451RTHT	15.46	3.22	3.95	0.45	L725
Drake	795	26	7	BYNA451RT15HT	15.10	BYNA451RTHT	15.46	3.22	3.95	0.45	L725
Tern	795	45	7	BYNA451RT15HT	15.10	BYNA451RTHT	15.46	3.22	3.95	0.45	L725
Condor	795	54	7	BYNA451RT15HT	15.10	BYNA451RTHT	15.46	3.22	3.95	0.45	L725
Ruddy	900	45	7	BYNA49RT15HT	15.14	BYNA49RTHT	15.66	3.22	3.95	0.52	L727
Rail	954	45	7	BYNA49RT15HT	15.14	BYNA49RTHT	15.66	3.22	3.95	0.52	L727
Cardinal	954	54	7	BYNA49RT15HT	15.14	BYNA49RTHT	15.66	3.22	3.95	0.52	L727
Ortolan	1033.5	45	7	BYNA49RT15HT	15.14	BYNA49RTHT	15.66	3.22	3.95	0.52	L727
Curlew	1033.5	54	7	BYNA49RT15HT	15.14	BYNA49RTHT	15.66	3.22	3.95	0.52	L727
Bluejay	1113	45	7	BYNA49RT15HT	15.14	BYNA49RTHT	15.66	3.22	3.95	0.52	L727
Finch	1113	54	19	BYNA52RT15HT	16.81	BYNA52RTHT	18.71	3.22	3.95	0.71	L728
Bunting	1192.5	45	7	BYNA52RT15HT	16.81	BYNA52RTHT	18.71	3.22	3.95	0.71	L728
Bittern	1272	45	7	BYNA52RT15HT	16.81	BYNA52RTHT	18.71	3.22	3.95	0.71	L728
Pheasant	1272	54	19	BYNA52RT15HT	16.81	BYNA52RTHT	18.71	3.22	3.95	0.71	L728
Dipper	1351.5	45	7	BYNA52RT15HT	16.81	BYNA52RTHT	18.71	3.22	3.95	0.71	L728
Martin	1351.5	54	19	BYNA52RT15HT	16.81	BYNA52RTHT	18.71	3.22	3.95	0.71	L728
Nuthatch	1510.5	45	7	BYNA56RT15HT	17.56	BYNA56RTHT	18.65	3.44	3.95	0.86	L729
Parrot	1510.5	54	19	BYNA56RT15HT	17.56	BYNA56RTHT	18.65	3.44	3.95	0.86	L729
Lapwing	1590	45	7	BYNA56RT15HT	17.56	BYNA56RTHT	18.65	3.44	3.95	0.86	L729
Falcon	1590	54	19	BYNA56RT15HT	17.56	BYNA56RTHT	18.65	3.44	3.95	0.86	L729
Chukar	1780	84	19	BYNA58RT15HT	18.28	BYNA58RTHT	18.59	3.47	3.95	0.80	L735
Bluebird	2156	84	19	BYNA59RT15HT	17.95	BYNA59RTHT	18.43	3.57	3.95	0.64	L735
Kiwi	2167	72	7	BYNA59RT15HT	17.95	BYNA59RTHT	18.43	3.57	3.95	0.64	L735

To specify hardware for bolting to corresponding dead-ends add the suffix "H" to the catalog number (example: BYNA52RHHT).

* Overlap crimps.

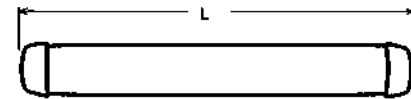
† Wide dies may be used on aluminum only (no steel), add suffix "W" to part number (example: L725W).

Type BYNS-RTHT EHV Jumper Loop Sleeve for ACSS Conductor

Jumper sleeve for 250° C ACSS transmission lines uat 345 kV and over. Sleeve is pre-filled with PENETROX™ joint compound and capped.



Conductor Name	ACSS		Jumper Sleeve	Inches L	Die*‡	
	Size kcmil	Stranding				
		Alum.				Steel
Linnet	336.4	26	7	BYNS32RTHT	18.84	L717
Oriole	336.4	30	7	BYNS32RTHT	18.84	L717
Ibis	397.5	26	7	BYNS34RTHT	18.98	L719
Flicker	477	24	7	BYNS36RTHT	19.52	L720
Hawk	477	26	7	BYNS36RTHT	19.52	L720
Parakeet	556.5	24	7	BYNS39RTHT	20.12	L722
Dove	556.5	26	7	BYNS39RTHT	20.12	L722
Peacock	605	24	7	BYNS43RTHT	20.24	L724
Squab	605	26	7	BYNS43RTHT	20.24	L724
Rook	636	24	7	BYNS43RTHT	20.24	L724
Grosbeak	636	26	7	BYNS43RTHT	20.24	L724
Flamingo	666.6	24	7	BYNS43RTHT	20.24	L724
Starling	715.5	26	7	BYNS451RTHT	20.36	L725
Cuckoo	795	24	7	BYNS451RTHT	20.36	L725
Drake	795	26	7	BYNS451RTHT	20.36	L725
Tern	795	45	7	BYNS451RTHT	20.36	L725
Condor	795	54	7	BYNS451RTHT	20.36	L725
Ruddy	900	45	7	BYNS49RTHT	20.42	L727
Rail	954	45	7	BYNS49RTHT	20.42	L727
Cardinal	954	54	7	BYNS49RTHT	20.42	L727
Ortolan	1033.5	45	7	BYNS49RTHT	20.42	L727
Curlew	1033.5	54	7	BYNS49RTHT	20.42	L727
Bluejay	1113	45	7	BYNS49RTHT	20.42	L727
Finch	1113	54	19	BYNS52RTHT	25.96	L728
Bunting	1192.5	45	7	BYNS52RTHT	25.96	L728
Bittern	1272	45	7	BYNS52RTHT	25.96	L728
Pheasant	1272	54	19	BYNS52RTHT	25.96	L728
Dipper	1351.5	45	7	BYNS52RTHT	25.96	L728
Martin	1351.5	54	19	BYNS52RTHT	25.96	L728
Nuthatch	1510.5	45	7	BYNS56RTHT	25.34	L729
Parrot	1510.5	54	19	BYNS56RTHT	25.34	L729
Lapwing	1590	45	7	BYNS56RTHT	25.34	L729
Falcon	1590	54	19	BYNS56RTHT	25.34	L729
Chukar	1780	84	19	BYNS58RTHT	25.22	L735
Bluebird	2156	84	19	BYNS59RTHT	24.9	L735
Kiwi	2167	72	7	BYNS59RTHT	24.9	L735



* Overlap crimps.

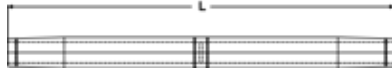
‡ Wide dies may be used on aluminum only (no steel), add suffix "W" to part number (example: L725W).

NOTE: Remove "T" from middle of part number for non-EHV <230kV version. (Example: BYNS58RHT)

Type YTS-AT EHV

Full Tension Splice for AAC/ACAR

Full tension splice for Stranded Aluminum Transmission line at 345 kV and over. Manufactured of aluminum tube with staked-in cable stop. Prefilled with PENETROX™ joint compound and capped.



Catalog Number	Conductor			Inches L	Tool, Die Sets			
	Conductor Name	Aluminum			Die Index	Y45*	46* Series	Y60LW* †
		kcmil	Strands					
YTS301AT	Tulip	336.4	19	9.75	717	S725	P725	L717
YTS301AT		350	37			S725	P725	
YTS311AT	Canna	397.5	19	9.99	719	S719	P719	L719
YTS311AT		400	37			S719	P719	
YTS331AT	Cosmos	450	37	10.01	719	S719	P719	
YTS331AT		477	19			S719	P719	
YTS331AT	Syringa	477	37			S719	P719	
YTS351AT	Hyacinth	500	37	11.88	720	S720	P720	L720
YTS351AT	Dahlia	556.5	19			S720	P720	
YTS351AT	Mistletoe	556.5	37			S720	P720	
YTS361AT	Orchid	600	61	12.92	722	S722	P722	L722
YTS361AT		636	37			S722	P722	
YTS39AT	Violet	715.5	37	14.36	724	S724	P724	L724
YTS39AT	Nasturtium	715.5	61			S724	P724	
YTS39AT	Cattail	750	61			S724	P724	
YTS391AT	Lilac	795	37	16.36	724	S724	P724	
YTS391AT		795	61			S724	P724	
YTS391AT		800	61			S724	P724	
YTS431AT	Anemone	874.5	37	17.92	725	S725	P725	L725
YTS431AT	Crocus	874.5	61			S725	P725	
YTS431AT	Magnolia	954	37			S725	P725	
YTS431AT	Goldenrod	954	61			S725	P725	
YTS445AT	Bluebell	1033.5	37	19.57	727	—	—	L727
YTS445AT	Larkspur	1033.5	61			—	—	
YTS445AT	Marigold	1113	37			—	—	
YTS445AT		1113	61			—	—	
YTS451AT	Hawthorn	1192.6	61	19.24	727	—	—	L728
YTS451AT	Nacrcissus	1272	61			—	—	
YTS457AT	Columbine	1351.5	61	21.08	728	—	—	L728
YTS457AT	Carnation	1431	61			—	—	
YTS463AT	Coreopsis	1590	61	22.56		—	—	
YTS47AT	Jessamine	1750	61	21.08	728	—	—	L728
YTS48AT		2000	169	23.02	735	—	—	L735
YTS484AT		2300	61	23.00		—	—	
YTS486AT	Lupine	2500	91	24.28	740	—	—	L740

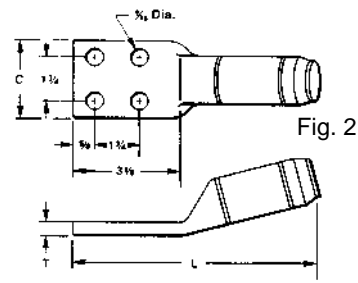
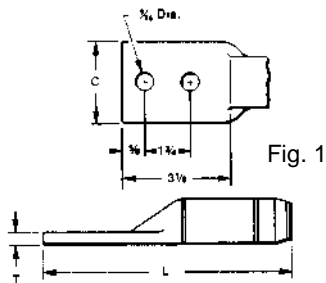
* Overlap Crimp.

† Wide dies may be used on aluminum only, add suffix "W" to part number (example: L725W).

Types YNA-R15, YNA-R

Compression Terminal for ACAR, Stranded Aluminum Cable

Compression terminal for ACAR and Stranded Aluminum Cable. Two hole NEMA tongue supplied through 650 kcmil Aluminum for transmission line up to and including 230 kV. Four hole NEMA supplied on sizes above 650 kcmil. When used with YTW Deadends, the 15° angle tongue provides either a 0° or 30° tap. Uses same dies as equivalent full tension sleeve or deadend. Barrel pre-filled with PENETROX™ joint compound and capped. Pad coated with oxide retardant.



Catalog Number †		Conductor		Fig. #	C	L 15°	L Straight	T	Tools, Die Sets			
15°	Straight	ACAR	Aluminum						Die Index	Y45*	46* Series	Y60LW*‡
YNA32R15	YNA32R	395.1 - 395.2	336.4 - 350	1	1.68"	8.92"	8.96"	0.39"	717	S717	P717	L717
YNA34R15	YNA34R	—	397.5 - 477		1.78"	9.31"	9.08"	0.46"	719	S719	P719	L719
YNA36R15	YNA36R	—	500 - 556.5		1.96"	9.62"	9.47"	0.48"	720	S720	P720	L720
YNA39R15	YNA39R	634.9 - 653.1	600 - 650		2.08"	10.09"	9.84"	0.53"	722	S722	P722	L722
YNA43R15	YNA43R	—	700 - 800	2	3.07"	10.16"	10.07"	0.36"	724	S724	P724	L724
YNA451R15	YNA451R	840.2 - 927.2	795 - 1000		3.22"	10.21"	10.28"	0.45"	725	S725	P725	L725
YNA49R15	YNA49R	983.1 - 1198	1033.5 - 1272			10.35"	10.46"	0.52"	727			L727
YNA52R15	YNA52R	1277 - 1280	1351.5 - 1510			12.09"	12.24"	0.71"	728			L728
YNA54R15	YNA54R	1534	1590 - 1600	1	13.30"	13.46"	0.71"	728			L728	
YNA56R15	YNA56R	1650 (42/19 STR)	1700 - 1800	2	3.44"	12.50"	12.74"	0.86"	729	—	—	L729
YNA58R15	YNA58R	—	2000	1	3.47"	13.25"	13.34"	0.76"	735			L735
YNA59R15	YNA59R	—	2250 - 2300		3.57"	13.12"	13.25"	0.61"	735			L735
YNA594R15	YNA594R	2267 - 2500	2500		3.70"	12.81"	14.35"	0.68"	740			L740

† To specify mounting hardware for bolting to corresponding deadend pad, add suffix "H" to catalog number (example: YNA54RTH)

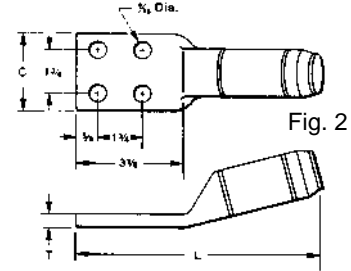
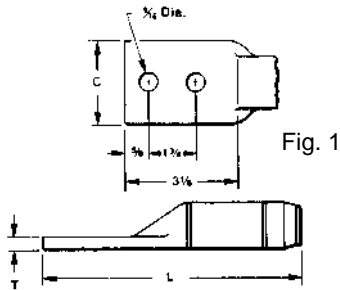
* Overlap Crimp.

‡ Wide dies may be used on aluminum only, add suffix "W" to part number (example: L725W).

Types YNA-RT15, YNA-RT EHV

Compression Terminal for EHV ACAR, Stranded Aluminum Cable

Compression terminal for ACAR and Stranded Aluminum Cable. Two hole NEMA tongue supplied through 650 kcmil Aluminum for transmission line at 345 kV and above. Four hole NEMA supplied on sizes above 650 kcmil. When used with YTW Deadends, the 15° angle tongue provides either a 0° or 30° tap. Uses same dies as equivalent full tension sleeve or deadend. Barrel prefilled with PENETROX™ joint compound and capped. Pad coated with oxide retardant.



Catalog Number †		Conductor		Fig. No.	C	L 15°	L Straight	T	T 15	Tools, Die Sets				
15°	Straight	ACAR	Aluminum							Die Index	Y45*	46* Series	Y60LW*‡	
YNA32RT15	YNA32RT	395.1 - 395.2	336.4 - 350	1	1.68"	9.04"	9.14"	0.39"	0.39"	717	S717	P717	L717	
YNA34RT15	YNA34RT	—	397.5 - 477		1.78"	9.21"	9.30"	0.46"	0.46"	719	S719	P719	L719	
YNA36RT15	YNA36RT	—	500 - 556.5		1.96"	9.63"	9.70"	0.48"	0.48"	720	S720	P720	L720	
YNA39RT15	YNA39RT	650 (37)	600 - 650		2.08"	10.02"	10.09"	0.53"	0.53"	722	S722	P722	L722	
YNA43RT15	YNA43RT	—	700 - 800	2	3.22"	10.21"	10.32"	0.36"	0.36"	724	S724	P724	L724	
YNA451RT15 ‡‡	YNA451RT ‡‡	850 (37) 900 (37)	795 - 1000			10.65"	10.57"	0.45"	0.45"	725	S725	P725	L725	
YNA49RT15 ‡‡	YNA49RT ‡‡	1000 (61) 1100 (61)	1033.5 - 1272			10.94"	10.77"	0.52"	0.52"	727	—	—	L727	
YNA52RT15 ‡‡	YNA52RT ‡‡	4 (7)	1351.5 - 1510			12.62"	13.82"	0.71"	0.71"	728	—	—	L728	
YNA54RT15 ‡‡	YNA54RT ‡‡	1534	1590 - 1600			—	—	0.71"	0.71"	728	—	—	L728	
YNA56RT15 ‡‡	YNA56RT ‡‡	1650 (42/19 STR)	1700 - 1800			3.44"	13.36"	13.76"	0.86"	0.86"	729	—	—	L729
YNA58RT15 ‡‡	YNA58RT ‡‡	—	2000			3.47"	14.08"	13.70"	0.80"	0.80"	735	—	—	L735
YNA59RT15 ‡‡	YNA59RT ‡‡	—	2250 - 2300			3.57"	13.75"	13.54"	0.64"	0.64"	735	—	—	L735
YNA594RT15 ‡‡	YNA594RT ‡‡	2267 - 2500	2500			3.70"	—	—	0.68"	0.68"	740	—	—	L740

† To specify mounting hardware for bolting to corresponding deadend pad, add suffix "H" to catalog number (example: YNA54RTH)

* Overlap crimps

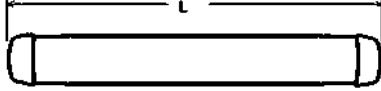
‡ Wide dies may be used, add suffix "W" to part number (example: L725W)

‡‡ If shielding caps are required for this item, use Catalog Number STS43A-4N

Type YNS-RT EHV

Jumper Loop Sleeve for EHV ACAR, Stranded Aluminum Cable

Jumper sleeve for ACAR and Stranded Aluminum Cable. over 230 kV. Sleeve prefilled with PENETROX™ joint compound and capped.



Catalog Number	Conductor (Kcmil)		Inches L	Tools, Die Sets			
	ACAR	Aluminum		Die Index	Y45*	46* Series	Y60LW*‡
YNS32RT	395.1 - 395.2	336.4 - 350	8.96	717	S717	P717	L717
YNS34RT	-	397.5 - 477	9.10	719	S719	P719	L719
YNS36RT	-	500 - 556.5	9.64	720	S720	P720	L720
YNS39RT	634.9 - 653.1	600 - 650	10.26	722	S722	P722	L722
YNS43RT	-	700 - 800	10.48	724	S724	P724	L724
YNS451RT	840.2 - 927.2	795 - 1000	10.60	725	S725	P725	L725
YNS49RT	983.1 - 1198	1033.5 - 1272	10.66	727	—	—	L727
YNS52RT	1277 - 1280	1351.5 - 1510	16.20	728	—	—	L728
YNS54RT	1534	1590 - 1600	16.11	728	—	—	L728
YNS56RT	1650 (42-19 STR)	1700 - 1800	15.58	729	—	—	L729
YNS58RT	-	2000	15.46	735	—	—	L735
YNS59RT	-	2250 - 2300	15.14	735	—	—	L735
YNS594RT	2267 - 2500	2500	16.53	740	—	—	L740

* Overlap crimps

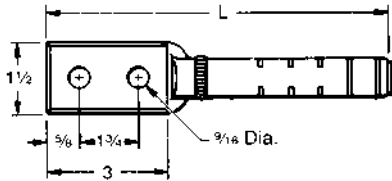
‡ Wide dies may be used, add suffix "W" to part number (example: L725W).

NOTE: Remove "T" suffix for non-EHV <230kV version. (Example: YNS39R)

Type YNA-M-T

Terminal for Alumoweld, EHS Steel

Compression terminal for joining Alumoweld and EHS Steel to Types YTW-M-T and YTW-E deadends. Installed with same dies as equivalent full tension splice and deadend. Barrel is prefilled with PENETROX™ joint compound and capped.



Catalog Number	Conductor		L (IN)	Die Index	Tools Dies and Sets (Number of Crimps)	
	Alumoweld	EHS Steel			35, 750, 45†, 46‡ Series	Y60LW*
YNA7M10T	7 #10, 3 #7	5/16" 7 str.	8.50	676 or 721	U676 (4)	L721
YNA7M8T	7 #8, 3 #5	3/8" 7 str.	9.81	668 or 723	U668 (7)	L723
YNA7M7T	7 #7, 3 #5	7/16" 7 str.	9.95	678 or 726	U678 (10)	L726
YNA7M6T	7 #6	1/2" 7 str.	9.80	679 or 726	U679 (11)	L789

* Overlap crimps.

† U Die with adapter PT6515.

‡‡ U Die with adapter PUADP1.

Type YDS-M-T

Full Tension Sleeve for Alumoweld

Full tension splice for Alumoweld transmission lines. Five connectors accommodate eight conductor sizes. Sleeve is prefilled with PENETROX™ joint compound and capped.



RUS Accepted

Catalog Number †††	Conductor	L (in)	Tools Dies and Sets (Number of Crimps)		
	Alumoweld		Die Index	Y35	Y60LW*
YDS7M10T	7 #10, 3 #7	9.91	676 or	U676 (8)	—
			721	—	L721
YDS7M9T	7 #9, 3 #6	10.41	677	U677 (10)	—
YDS7M8T	7 #8, 3 #5	12.21	668 or	U668 (13)	—
			723	—	L723
YDS7M7T	7 #7	14.56	678 or	U678 (19)	—
			726	—	L726
YDS7M6T	7 #6	15.17	679 or	U679 (2)	—
			726	—	L726

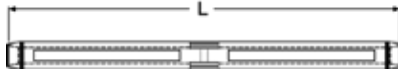
* Overlap crimps.

††† Sleeve is high strength aluminum alloy for optimum corrosion resistance.

Type YTS-E

Full Tension Splice for EHS Steel, Messenger, "Static" Cable

Full tension splice for EHS Steel Guy, Messenger, or "Static" Cable. Sleeve is prefilled with PENETROX™ joint compound and capped.



Catalog Number †	Accommodates EHS Steel	L (in)	Tools, Die Sets	
			Die Index	Y60LW*
YTS312E	5/16" 7 Str	11.30	721	L721
YTS375E	3/8" 7 Str.	10.38	723	L723
YTS438E	7/16" 7 Str.	11.78	726	L726
YTS500E	1/2" 7 Str	16.63	789	L789

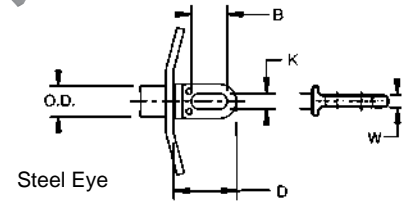
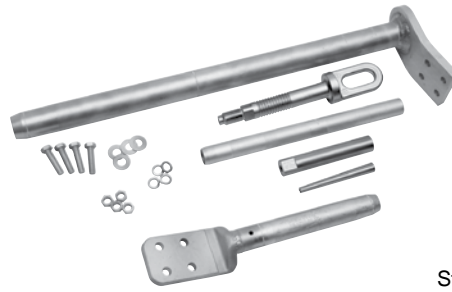
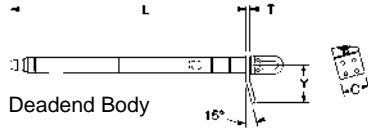
* Overlap crimps.

† Sleeve is high strength aluminum alloy for optimum corrosion resistance.

Full Tension Deadend Kits

For ACCC® Conductor; Single / Double Pads available

Full tension deadends for ACCC® transmission lines up to and including 230 kV. Standard 15° NEMA tap pad provides either 0° or 30° tap when Type BYNA-RT15HACCC terminal is used.



ACCC® Conductor Name	Size kcmil	Single Pad Deadend Kit Including Composite Core Grip Components (See Note 2 for Double Pad)	15 Degree Terminal with Aluminum Hardware Included in Kit	Installation Tooling Using 60 Ton Y60LW	
				Die* Deadend	Die* Terminal
Helsinki	297	YTW160MRE15ACK6	BYNA106MM2T15HACCC	L727W	L725W
Pasadena	297				
Jaipur	307	YTW165MRE15ACK6	BYNA32RT15HACCC	L727W	L717W
Zadar	350	YTW320RE15ACCCK4			
Linnet	430	YTW32RE15ACCCK4			
Copenhagen	434	YTW320RE15ACCC4			
Oriole	439	YTW320RE15ACCC4	BYNA235MMT15HACCC	L735W	L720W
Reykjavik	440	YTW235MRE15ACK5			
Monte Carlo	451	YTW245MRE15ACK6	BYNA245MM2T15HACCC	L727W	L725W
Waco	454	YTW245MRE15ACK6			
Glasgow	467	YTW36RE15ACCCK4	BYNA36RT15HACCC	L727W	L720W
Laredo	530				
Casablanca	540	YTW330MRE15ACK6	BYNA39RT15HACCC	L735W	L722W
Irving	609				
Hawk	611	YTW36RE15ACCCK4	BYNA36RT15HACCC	L727W	L720W
Oslo	619	YTW330MRE15ACK6			
Lisbon	623	YTW36RE15ACCCK4	BYNA39RT15HACCC	L735W	L722W
Dove	714	YTW36RE15ACCCK4			
Amsterdam	725	YTW39RE15ACCCK4	BYNA39RT15HACCC	L727W	L722W
Grosbeak	821	YTW43RE15ACCCK4			
Brussels	832	YTW43RE15ACCCK4	BYNA43RT15HACCC	L727W	L724W
Stockholm 3L	895	YTW470MRE15ACK5			
Lubbock	904	YTW470MRE15ACK5	BYNA451RT15HACCC	L735W	L725W
Stockholm 2L	914				
Warsaw	1002	YTW530MRE15ACK5			
Galveston	1011	YTW451RE15ACCCK4			
Drake	1026				
Dublin	1035				

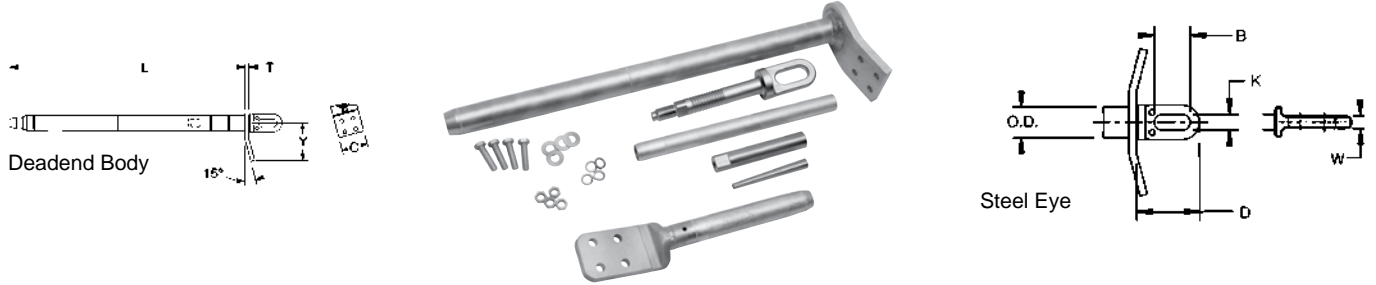
Notes:
ACCC is a Registered Trade Mark of CTC Cable Corp.

* Overlap Crimps

- Other styles may be available. Please contact customer service for products or conductor sizes not shown.
- Dual (2) Pad Deadend catalog numbers have "D" in the middle after "E". Example for Drake Dual Pad Kit = YTW451RED15ACCCK4

- Deadend Kit Contains: Aluminum Body, Steel Eye, Terminal with Hardware, and Composite Core Grip Components
- Designed for corona free operation up to 230 kV without accessories. Contact factory for 345 kV and 500 kV operation.
- For stainless steel hardware, contact customer service.
- Dimensions in brackets [] denote metric units and are rounded to nearest whole number.

Full Tension ACCC® Deadend Kits
(Continued)



ACCC® Conductor Name	Size kcmil	Single Pad Deadend Kit Including Composite Core Grip Components (See Note 2 for Double Pad)	15 Degree Terminal with Aluminum Hardware Included in Kit	Installation Tooling	
				Using 60 Ton Y60LW	
				Die* Deadend	Die* Terminal
Plano	1059	YTW570MRE15ACK5	BYNA590MRT15HACCC	L727W	
Mahakam	1075	YTW545MRE15ACK5			
Hamburg	1078	YTW570MRE15ACK5			
Corpus Christi	1103	YTW590MRE15ACK5			
Milan	1120				
Arlington	1151	YTW610MRE15ACK5			
Rome	1169				
Cardinal	1222	YTW48RE15ACCK4	BYNA49RT15HACCC	L735W	
Vienna	1242				
Fort Worth	1300	YTW690MRE15ACK5			
Budapest	1319				
El Paso	1350	YTW710MRE15ACK5			
Prague	1363		BYNA760MRT15HACCC	L728W	
Beaumont	1429	YTW760MRE15ACK5			
Munich	1447				
San Antonio	1475	YTW780MRE15ACK5	BYNA52RT15HACCC	L728W	
London	1498				
Bittern	1582	YTW52RE15ACCK4			
Paris	1606		BYNA56RT15HACCC	L735W	L735W
Lapwing	1949	YTW549RE15ACCK4			
Madrid	1999				

Notes:
ACCC is a Registered Trade Mark of CTC Cable Corp.

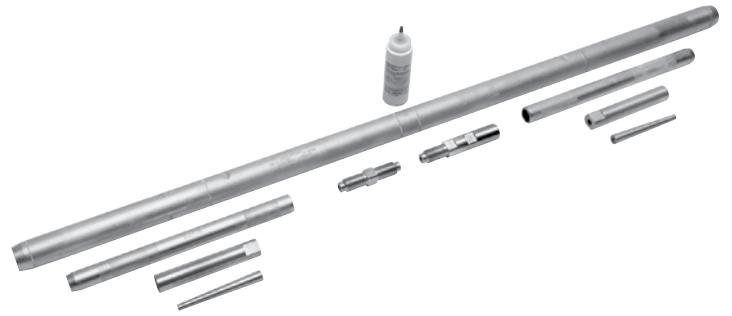
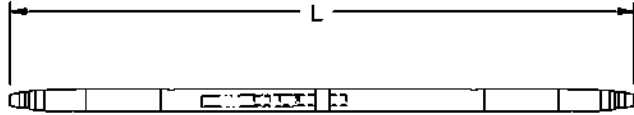
* Overlap Crimps

- Other styles may be available. Please contact customer service for products or conductor sizes not shown.
- Dual (2) Pad Deadend catalog numbers have "D" in the middle after "E". Example for Drake Dual Pad Kit = YTW451RED15ACCK4

- Deadend Kit Contains: Aluminum Body, Steel Eye, Terminal with Hardware, and Composite Core Grip Components
- Designed for corona free operation up to 230 kV without accessories. Contact factory for 345 kV and 500 kV operation.
- For stainless steel hardware, contact customer service.
- Dimensions in brackets [] denote metric units and are rounded to nearest whole number.

Full Tension Splice Kits For ACCC® Conductor

Two-piece, full tension splices for ACCC® transmission lines up to and including 230 kV.



Conductor Name	Size kcmil	Catalog Number	Die*	
			Using Y60LW tool	
Helsinki	297	YTS160MRTAC5	L727W	
Pasadena	297			
Jaipur	307	YTS165MRTAC5		
Zadar	350	YTS320RTACCC2		
Linnet	430	YTS32RTACCC2		
Copenhagen	434			
Oriole	439	YTS320RTACCC2		
Reykjavik	440			
Monte Carlo	451	YTS235MRTAC5		
Waco	454	YTS245MRTAC5		
Glasgow	467			
Laredo	530	YTS36RTACCC2		
Casablanca	540			
Irving	609	YTS330MRTAC5		L735W
Hawk	611	YTS36RTACCC2		L727W
Oslo	619	YTS330MRTAC5	L735W	
Lisbon	623	YTS36RTACCC2	L727W	
Dove	714	YTS39RTACCC2		
Amsterdam	725			
Grosbeak	821	YTS43RTACCC2		
Brussels	832			
Stockholm 3L	895	YTS470MRTAC5	L735W	
Lubbock	904			
Stockholm 2L	914			
Warsaw	1002	YTS530MRTAC5		
Galveston	1011			

Conductor Name	Size kcmil	Catalog Number	Die*
			Using Y60LW tool
Drake	1026	YTS451RTACCC2	L735W
Dublin	1035		
Plano	1059	YTS570MRTAC5	
Mahakam	1075	YTS545MRTAC5	
Hamburg	1078	YTS570MRTAC5	
Corpus Christi	1103		
Milan	1120		
Arlington	1151	YTS610MRTAC5	
Rome	1169		
Cardinal	1222	YTS48RTACCC2	
Vienna	1242		
Fort Worth	1300	YTS690MRTAC5	
Budapest	1319		
El Paso	1350	YTS710MRTAC5	
Prague	1363		
Beaumont	1429	YTS760MRTAC5	
Munich	1447		
San Antonio	1475	YTS780MRTAC5	
London	1498		
Bittern	1582	YTS52RTACCC2	
Paris	1606		
Lapwing	1949	YTS549RTACCC2	L735W
Madrid	1999		

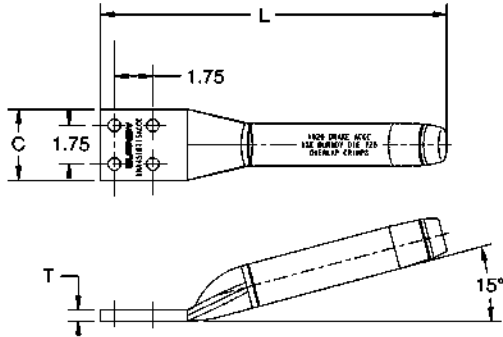
Notes:
ACCC is a Registered Trade Mark of CTC Cable Corp.

* Overlap Crimps

- Other styles may be available. Please contact customer service for products or conductor sizes not shown.
- Splice Kit Contains: Aluminum Body and Composite Core Grip Components
- Designed for corona free operation up to 230 kV without accessories. Contact factory for 345 kV and 500 kV operation.
- Dimensions in brackets [] denote metric units and are rounded to nearest whole number.

Types BYNA-RTACCC, BYNA-RT15ACCC
Terminals for ACCC®, Straight and 15 Degree

Compression terminal for ACCC® transmission lines up to and including 230 kV.



Conductor Name	Size kcmil	15 Degree Terminal Catalog Number with AL Hardware	Straight Terminal Catalog Number with AL Hardware	Installation Tooling			
				Die Index	Y45*	46 Series*	Y60LW*
Helsinki	297	BYNA160MM2T15HACCC	BYNA160MM2THACCC	725	S725	P725	L725W
Pasadena	297						
Jaipur	307						
Zadar	350	BYNA32RT15HACCC	BYNA32RTHACCC	717	S717	P717	L717W
Linnet	430						
Copenhagen	434						
Oriole	439						
Reykjavik	440						
Monte Carlo	451	BYNA235MMT15HACCC	BYNA235MMTHACCC	720	S720	P720	L720W
Waco	454	BYNA245MM2T15HACCC	BYNA245MM2THACCC	725	S725	P725	L725W
Glasgow	467						
Laredo	530	BYNA36RT15HACCC	BYNA36RTHACCC	720	S720	P720	L720W
Casablanca	540						
Irving	609	BYNA39RT15HACCC	BYNA39RTHACCC	722	S722	P722	L722W
Hawk	611	BYNA36RT15HACCC	BYNA36RTHACCC	720	S720	P720	L720W
Oslo	619	BYNA39RT15HACCC	BYNA39RTHACCC	722	S722	P722	L722W
Lisbon	623	BYNA36RT15HACCC	BYNA36RTHACCC	720	S720	P720	L720W
Dove	714	BYNA39RT15HACCC	BYNA39RTHACCC	722	S722	P722	L722W
Amsterdam	725						
Grosbeak	821	BYNA43RT15HACCC	BYNA43RTHACCC	724	S724	P724	L724W
Brussels	832						

Notes:

ACCC is a Registered Trade Mark of CTC Cable Corp.

* Overlap Crimps

- Other styles may be available. Please contact customer service for products or conductor sizes not shown.
- Designed for corona free operation up to 230 kV without accessories. Contact factory for 345 kV and 500 kV operation.
- For stainless steel hardware, contact customer service.
- Dimensions in brackets [] denote metric units and are rounded to nearest whole number.

Compression Terminals for ACCC® (Continued)



Conductor Name	Size kcmil	15 Degree Terminal Catalog Number with AL Hardware	Straight Terminal Catalog Number with AL Hardware	Installation Tooling			
				Die Index	Y45*	46 Series*	Y60LW*
Stockholm 3L	895	BYNA451RT15HACCC	BYNA451RTHACCC	725	S725	P725	L725W
Lubbock	904						
Stockholm 2L	914						
Warsaw	1002						
Galveston	1011						
Drake	1026						
Dublin	1035						
Plano	1059	BYNA590MRT15HACCC	BYNA590MRTHACCC	727	—	—	L727W
Mahakam	1075						
Hamburg	1078						
Corpus Christi	1103						
Milan	1120						
Arlington	1151						
Rome	1169						
Cardinal	1222	BYNA49RT15HACCC	BYNA49RTHACCC	727	—	—	L727W
Vienna	1242						
Fort Worth	1300						
Budapest	1319						
El Paso	1350						
Prague	1363	BYNA760MRT15HACCC	BYNA760MRTHACCC	728	—	—	L728W
Beaumont	1429						
Munich	1447	BYNA52RT15HACCC	BYNA52RTHACCC	728	—	—	L728W
San Antonio	1475						
London	1498						
Bittern	1582						
Paris	1606	BYNA56RT15HACCC	BYNA56RTHACCC	735	—	—	L735W
Lapwing	1949						
Madrid	1999						

Notes:
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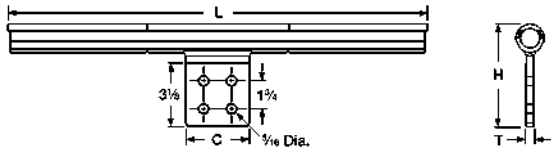
* Overlap Crimps

- Other styles may be available. Please contact customer service for products or conductor sizes not shown.
- Designed for corona free operation up to 230 kV without accessories. Contact factory for 345 kV and 500 kV operation.
- For stainless steel hardware, contact customer service.
- Dimensions in brackets [] denote metric units and are rounded to nearest whole number.

Type YNTA-RTACCC

T-Tap Connector with Pad for ACCC®

Two-piece compression T-Tap connector to a NEMA pad for ACCC® transmission lines up to and including 230 kV.



Conductor Name	Size kcmil	Catalog Number	Dimensions (Inches)				Installation Tooling			
			L	C	H	T	Die Index	Y45*	46* Series	Y60LW*
Waco	454	YNTA245MRTACCC	25.50 [648]	4.00	5.93 [150]	0.56 [14]	719	S719	P719	L719W
Glasgow	467				6.03 [153]					
Laredo	530	YNTA36RTACCC	25.50 [648]	4.00	6.03 [153]	0.56 [14]	720	S720	P720	L720W
Casablanca	540				6.13 [156]					
Hawk	611				6.24 [158]					
Lisbon	623	YNTA39RTACCC	26.06 [662]	4.00	6.13 [156]	0.56 [14]	722	S722	P722	L722W
Oslo	619				6.24 [158]					
Dove	714	YNTA43RTACCC	26.28 [667]	4.00	6.24 [158]	0.56 [14]	724	S724	P724	L724W
Amsterdam	725				6.43 [163]					
Grosbeak	821	YNTA451RTACCC	26.38 [670]	4.00 [102]	6.43 [163]	0.56 [14]	725	S725	P725	L725W
Brussels	832				6.60 [168]					
Stockholm 3L	895				6.60 [168]					
Lubbock	904				6.60 [168]					
Stockholm 2L	914				6.60 [168]					
Warsaw	1002				6.60 [168]					
Galveston	1011				6.60 [168]					
Drake	1026				6.60 [168]					
Dublin	1035	YNTA49RTACCC	26.36 [669]	4.00	6.60 [168]	0.56 [14]	727	—	—	L727W
Mahakam	1075				6.60 [168]					
Hamburg	1078				6.60 [168]					
Milan	1120				6.60 [168]					
Arlington	1151				6.60 [168]					
Rome	1169				6.60 [168]					
Cardinal	1222				6.60 [168]					
Vienna	1242				6.60 [168]					
Fort Worth	1300				6.60 [168]					
Budapest	1319				6.60 [168]					
El Paso	1350	YNTA52RTACCC	29.32 [745]	4.00	7.00 [178]	0.69 [17]	728	—	—	L728W
Prague	1363				7.00 [178]					
Beaumont	1429				7.00 [178]					
Munich	1447				7.00 [178]					
San Antonio	1475				7.00 [178]					
London	1498				7.00 [178]					
Bittern	1582	YNTA52RTACCC	29.32 [745]	4.00	7.00 [178]	0.69 [17]	728	—	—	L728W
Paris	1606				7.00 [178]					

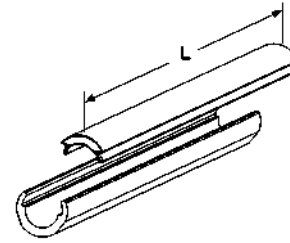
Notes:
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* Overlap Crimps

1. Other styles may be available. Please contact customer service for products or conductor sizes not shown.
2. Designed for corona free operation up to 230 kV without accessories. Contact factory for 345 kV and 500 kV operation.
3. Dimensions in brackets [] denote metric units and are rounded to nearest whole number.

Type YNU-RACCC Compression Repair Sleeve for ACCC®

Two-piece compression repair sleeves for temporary restoration of conductivity to damaged ACCC® transmission lines.



Conductor Name	Size kcmil	Catalog Number	Installation Tooling			
			Die Index	Y45*	Y46*	Y60BHU*
Glasgow	473	YNU245MRACCC	719	S719	P719	L719W
Casablanca	546	YNU36RACCC	720	S720	P720	L720W
Hawk	611					
Lisbon	629					
Oslo	627	YNU39RACCC	722	S722	P722	L722W
Dove	713					
Amsterdam	733					
Grosbeak	816	YNU43RACCC	724	S724	P724	L724W
Brussels	839					
Stockholm	913	YNU451RACCC	725	S725	P725	L725W
Warsaw	1016					
Drake	1020					
Dublin	1043					
Hamburg	1092					
Milan	1134	YNU49RACCC	727	—	—	L727W
Rome	1183					
Cardinal	1222					
Vienna	1255					
Budapest	1332					
Prague	1377					
Munich	1461					
London	1512	YNU52RACCC	728	—	—	L728W
Bittern	1572					
Paris	1620					

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Dimensions in brackets [] denotes metric units and are rounded to nearest whole number.

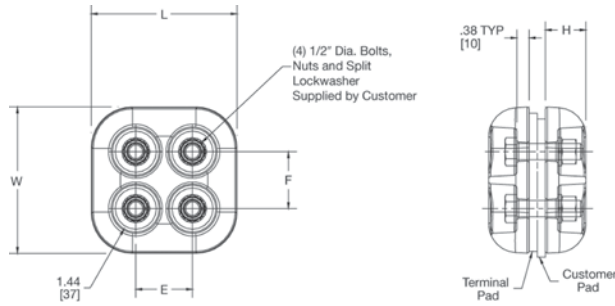
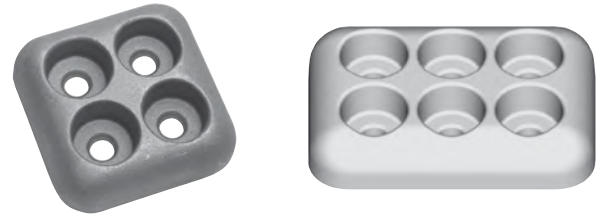
* Overlap crimps.

Type STS-A-NCG, Single Piece
Terminal Pad Cap; EHV

Bolted 1-piece terminal pad cap of cast Aluminum; Stainless Steel Hardware.

Material: Cast 356 Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV



Catalog Number	E	F	H	L	W	Maximum Shielded Area
STS44ACG10	1.75 [44]	1.75 [44]	1.50 [38]	4.00 [102]	4.00 [102]	3.5 x 3.5
STS44A4NCG2	1.75 [44]	1.75 [44]	1.25 [32]	4.50 [114]	4.50 [114]	4 x 4
STS46A6NCG1	1.75 [44]	1.75 [44]	1.25 [32]	4.50 [114]	6.50 [165]	6 x 4

NOTES:

- Dimensions in brackets [] are in millimeters.
- Catalog number is for one shielding cap only. If more than one is required, specify total quantity.

Type S2GPB-A (Spacer); Type S2GBPA-A (Terminal Tap); Type SH2GBP-A (Bus Support) Bolted Bundled Cable Spacers

Bolted Cable-to-Cable Spacer (Two Cables), cable spacer with four hole pad, and cable spacer to insulator.

Material: Cast 356 Aluminum Alloy
Hardware: Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV



Fig. 1

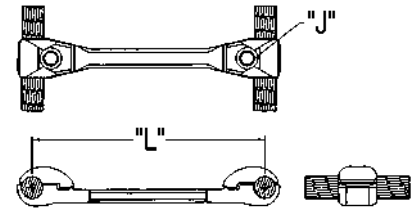


Fig. 1

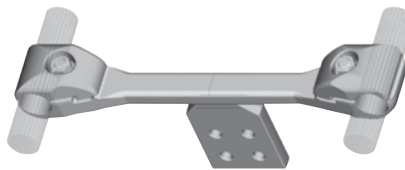


Fig. 2

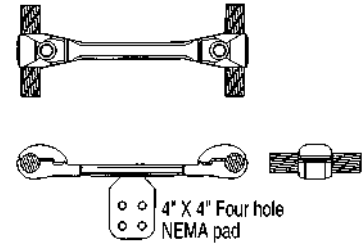


Fig. 2

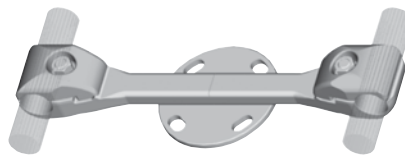


Fig. 3

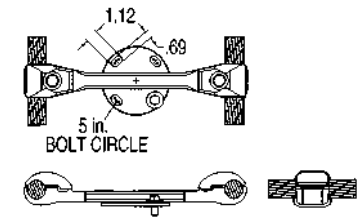


Fig. 3

Catalog Number			Cable Range		Cable Dia.		"L"	"J" Dia.
Fig. 1	Fig. 2	Fig. 3	AAC	ACSR	Min.	Max.		
S2GBP41A	S2GBPA41A	SH2GBP41A5	795 kcmil 37 Str. (1.026 Dia.)	715 kcmil 24/7 Str. (1.036 Dia.)	1.026 [26]	1.092 [28]	18.00 [457]	5/8"-11 X 1-3/4" LG. Alum. Alloy
S2GBP41A12	S2GBPA41A12	SH2GBP41A512	874.5 kcmil 61 Str. (1.077 Dia.)	715.5 kcmil 26/7 Str. (1.051 Dia.)			12.00 [305]	
S2GBP44A	S2GBPA44A	SH2GBP44A5	954 kcmil 61 Str. (1.126 Dia.)	795 kcmil 24/7 Str. (1.092 Dia.)	1.092 [28]	1.165 [30]	18.00 [457]	5/8"-11 X 2" LG. Alum. Alloy
S2GBP44A12	S2GBPA44A12	SH2GBP44A512		795 kcmil 54/7 Str. (1.093 Dia.)			12.00 [305]	
S2GBP445A	S2GBPA445A	SH2GBP445A5	1033.5 kcmil 37 Str. (1.170 Dia.)	954 kcmil 45/7 Str. (1.165 Dia.)	1.165 [30]	1.246 [32]	18.00 [457]	5/8"-11 X 2" LG. Alum. Alloy
S2GBP445A12	S2GBPA445A12	SH2GBP445A512		1033.5 kcmil 45/7 Str. (1.213 Dia.)			12.00 [305]	
S2GBP45A	S2GBPA45A	SH2GBP45A5	1192 kcmil 61 Str. (1.258 Dia.)	1033.5 kcmil 54/7 Str. (1.246 Dia.)	1.246 [32]	1.382 [35]	18.00 [457]	5/8"-11 X 2" LG. Alum. Alloy
S2GBP45A12	S2GBPA45A12	SH2GBP45A512		1192.5 kcmil 54/19 Str. (1.333 Dia.)			12.00 [305]	

NOTES:

- Dimensions in brackets [] are in millimeters.
- For stainless steel hardware add SUFFIX "SS" to catalog number (example: S2GBP41ASS).
- For variations in cable spacing contact factory.
- For pad rotated 90° on S2GBPA-A add suffix R90 to the catalog number (example: S2GBPA44AR90).
- For Bolt Circles other than 5 inch on type SH2GBP-A contact factory.
- S2GBPA-A connectors rated 550 kV when used with type "STS" Shielding Caps. Ordered separately.

Type S2GPB-A (Spacer);
 Type S2GBPA-A (Terminal Tap);
 Type SH2GBP-A (Bus Support)
 (Continued)

Catalog Number			Cable Range		Cable Dia.		"L"	"J" Dia.
Fig. 1	Fig. 2	Fig. 3	AAC	ACSR	Min.	Max.		
S2GBP46A	S2GBPA46A	SH2GBP46A5	1590 kcmil 61 Str. (1.453 Dia.)	1272 kcmil 54/19 Str. (1.382 Dia.)	1.382 [35]	1.504 [38]	18.00 [457]	5/8"-11 X 1-3/4" LG. Alum. Alloy
S2GBP46A12	S2GBPA46A12	SH2GBP46A512	1600 kcmil 127 Str. (1.454 Dia.)	1431 kcmil 54/19 Str. (1.465 Dia.)			12.00 [305]	
S2GBP48A	S2GBPA48A	SH2GBP48A5	1750 kcmil 127 Str. (1.526 Dia.)	1590 kcmil 45/7 Str. (1.502 Dia.)	1.504 [38]	1.632 [41]	18.00 [457]	5/8"-11 X 2" LG. Alum. Alloy
S2GBP48A12	S2GBPA48A12	SH2GBP48A512	2000 kcmil 91 Str. (1.630 Dia.)	1750 kcmil 84/19 Str. (1.602 Dia.)			12.00 [305]	
S2GBP483A	S2GBPA483A	SH2GBP483A5	2000 kcmil 91 Str. (1.630 Dia.)	1890 kcmil 84/19 Str. (1.650 Dia.)	1.632 [41]	1.737 [44]	18.00 [457]	
S2GBP483A12	S2GBPA483A12	SH2GBP483A512	2250 kcmil 91 Str. (1.729 Dia.)	2167 kcmil 72/7 Str. (1.737 Dia.)			12.00 [305]	
S2GBP486A	S2GBPA486A	SH2GBP486A5	2300 kcmil 61 Str. (1.750 Dia.)	2167 kcmil 72/7 Str. (1.737 Dia.)	1.737 [44]	1.824 [46]	18.00 [457]	
S2GBP486A12	S2GBPA486A12	SH2GBP486A512	2500 kcmil 127 Str. (1.823 Dia.)	2156 kcmil 84/19 Str. (1.762 Dia.)			12.00 [305]	

NOTES:

1. Dimensions in brackets [] are in millimeters.
2. For stainless steel hardware add SUFFIX "SS" to catalog number (example: S2GBP41ASS).
3. For variations in cable spacing contact factory.
4. For pad rotated 90° on S2GBPA-A add suffix R90 to the catalog number (example: S2GBPA44AR90).
5. For Bolt Circles other than 5 inch on type SH2GBP-A contact factory.
6. S2GBPA-A connectors rated 550 kV when used with type "STS" Shielding Caps. Ordered separately.

Type S3GPB-A

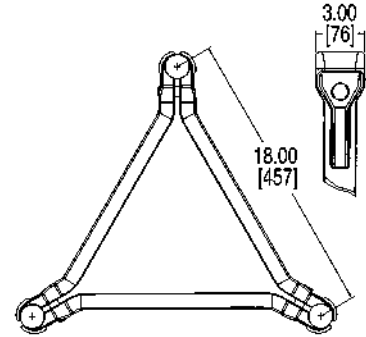
Bolted Bundled Cable Spacers (3 Conductor)

Bolted Cable-to-Cable Spacer (Three Cables).

Material: Cast 356 Aluminum Alloy

Hardware: Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV



Catalog Number	Cable Range		Cable Dia.		"J" Dia.
	AAC	ACSR	Min.	Max.	
S3GBP41A	795 kcmil 37 Str. (1.036 Dia.) 874.5 kcmil 61 Str. (1.077 Dia.)	715 kcmil 24/7 Str. (1.036 Dia.) 715.5 kcmil 26/7 Str. (1.051 Dia.)	1.026 [26]	1.092 [28]	5/8"-11 x 1-1/2" LG. Alum. Alloy
S3GBP44A	954 kcmil 61 Str. (1.126 Dia.)	795 kcmil 24/7 Str. (1.092 Dia.) 795 kcmil 54/7 Str. (1.093 Dia.)	1.092 [28]	1.165 [30]	5/8"-11 x 1-3/4" LG. Alum. Alloy
S3GBP445A	1033.5 kcmil 37 Str. (1.170 Dia.) 1113 kcmil 61 Str. (1.216 Dia.)	954 kcmil 45/7 Str. (1.165 Dia.) 1033.5 kcmil 45/7 Str. (1.213 Dia.)	1.165 [30]	1.246 [32]	
S3GBP45A	1192 kcmil 61 Str. (1.258 Dia.) 1272 kcmil 61 Str. (1.300 Dia.)	1033.5 kcmil 54/7 Str. (1.246 Dia.) 1192.5 kcmil 54/19 Str. (1.333 Dia.)	1.246 [32]	1.382 [35]	
S3GBP46A	1590 kcmil 61 Str. (1.453 Dia.) 1600 kcmil 127 Str. (1.454 Dia.)	1272 kcmil 54/19 Str. (1.382 Dia.) 1431 kcmil 54/19 Str. (1.465 Dia.)	1.382 [35]	1.504 [38]	"5/8"-11 x 2" LG. Alum. Alloy"
S3GBP48A	1750 kcmil 127 Str. (1.526 Dia.) 2000 kcmil 91 Str. (1.630 Dia.)	1590 kcmil 47/7 Str. (1.502 Dia.) 1750 kcmil 84/19 Str. (1.602 Dia.)	1.504 [38]	1.632 [41]	
S3GBP483A	2000 kcmil 91 Str. (1.630 Dia.) 2250 kcmil 91 Str. (1.729 Dia.)	1890 kcmil 84/19 Str. (1.650 Dia.) 2167 kcmil 72/7 Str. (1.737 Dia.)	1.632 [41]	1.737 [44]	"5/8"-11 x 2" LG. Alum. Alloy"
S3GBP486A	2300 kcmil 61 Str. (1.750 Dia.) 2500 kcmil 127 Str. (1.823 Dia.)	2167 kcmil 72/7 Str. (1.737 Dia.) 2156 kcmil 84/19 Str. (1.762 Dia.)	1.737 [44]	1.824 [46]	

NOTES:

1. Dimensions in brackets [] are in millimeters.
2. For stainless steel hardware add SUFFIX "SS" to catalog number (example: S3GBP48ASS).
3. For variations in cable spacing contact factory.
4. For four hole straight pad tap or 90° version or bus support three bundled cable spacer, contact the factory.

Type S-D-R
Spacer Damper

Since the 1960s, BURNDY Spacer Dampers have been used on bundled conductor transmission lines around the world. Over 850,000 units have been installed on over 40,000 phase miles of conductor. Projects have included 2, 3, 4, and 6 bundle arrangements at voltage levels from 230 kV to 800 kV AC and up to +/- 600 kV DC.

BURNDY motion control products are engineered per customer requirements and industry standards. Our engineering team has the experience and technology to provide the proper motion control solutions for your bundled conductor transmission line projects.

Our history of design, testing, and field installation experience, enables us to provide Spacer Damper products along with placement recommendations for optimum performance.

In most cases Spacer Dampers are custom designed for the specific transmission line requirements. Contact the factory for more information.

For installation points per span, contact the factory.

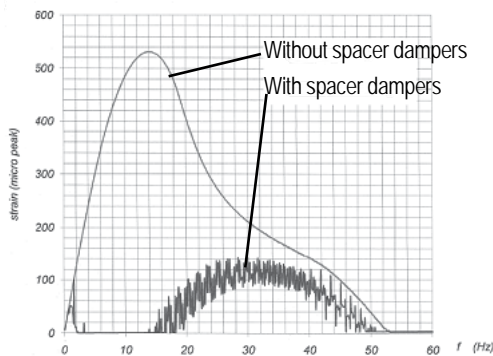
Conductor placement installation points are calculated with proprietary BURNDY software.

Note: Other Bundle Configurations and Diameters may be available. Contact Customer Service.



Conductors: ACSR, AAC, ACAR					
Catalog Number	Bundle Size	Conductor Diameter Range	Spacing	Wrench Size	Tightening Torque
S3D451RMX1	3	1.09 - 1.13" 27.7 - 28.7mm	18" [457mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S3D48RMX1	3	1.16 - 1.20" 29.5 - 30.5mm	18" [457mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S3D55RMX1	3	1.50 - 1.55" 38.1 - 39.4mm	18" [457mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S3D56RMX1	3	1.60 - 1.64" 40.6 - 41.6mm	18" [457mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S3D451R25MX1	3	1.09 - 1.13" 27.7 - 28.7mm	2 @ 18" [457mm] 1 @ 25.5 [648mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S3D48R25MX1	3	1.16 - 1.20" 29.5 - 30.5mm	2 @ 18" [457mm] 1 @ 25.5 [648mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S3D55R25MX1	3	1.50 - 1.55" 38.1 - 39.4mm	2 @ 18" [457mm] 1 @ 25.5 [648mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S3D59R25MX1	3	1.73 - 1.77" 43.9 - 45.0mm	2 @ 18" [457mm] 1 @ 25.5 [648mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S4D451RMX1	4	1.09 - 1.13" 27.7 - 28.7mm	18" [457mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S4D48RMX1	4	1.16 - 1.20" 29.5 - 30.5mm	18" [457mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m
S4D55RMX1	4	1.50 - 1.55" 38.1 - 39.4mm	18" [457mm]	5/8" 16 mm	55 ft.-lb. 74.6 daN.m

Cr+B	Cname	Grosbeak	string
	eds	0.22	()
	lam	0.85	()
LL	769	m	
D	D	0.025146	m
	m	1.302	kg
	H0	112.100	N
	Vllex	2.351	m/s
H	H	24.662	N
	VT	137.6	m/s
NSS	10	()	
Cr+B	IR	60	Hz

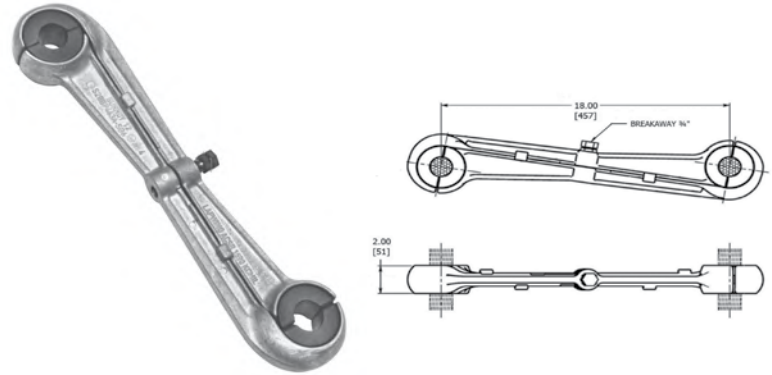


LSS(1)	LSS(2)	LSS(3)	LSS(4)	LSS(5)	LSS(6)	LSS(7)	LSS(8)	LSS(9)	LSS(10)	LSS(11)	LSS(12)	LSS(13)	LSS(14)	LSS(15)
Cr+O	44.0	82.5	87.0	84.0	90.0	85.5	82.5	88.5	84.0	41.0				
DLoc(1)	DLoc(2)	DLoc(3)	DLoc(4)	DLoc(5)	DLoc(6)	DLoc(7)	DLoc(8)	DLoc(9)	DLoc(10)	DLoc(11)	DLoc(12)	DLoc(13)	DLoc(14)	DLoc(15)
	44.0	126.5	213.5	297.5	387.5	473.0	555.5	644.0	728.0	769.0				

Type S2GBP-ASG Rigid Spacers

Since the 1960s, BURNDY has been providing motion control products for transmission lines. This rigid spacer line addresses the needs for many new transmission lines being designed with twin bundle conductor per phase. BURNDY rigid spacers are engineered to perform to customer and industry standards and carry with them the design, testing and field installation experience to provide the right solution for each transmission lines.

Placement recommendations are provided for optimum performance on each project.



Industry Specifications:

IEC 61854:1998

Performance Requirements:

Corrosion Protection: Breakaway Bolt - Black Anodized Aluminum
Clamp Slip: Longitudinal = 200 lbs.
 Torsional = 10 lb-ft
Breakaway Bolt: 10% above installation torque without damage
Fault Current: Up to 30kA
Simulated Short Circuit: Compression = 2400 lbs
 Tensile = 1200 lbs.
Fatigue: Longitudinal = 1 million cycles
Voltage Rating: 345 kV
Temperature Rating: High Temperature (HT) Silicone rated to 250°C max
 Standard EPDM rated to 125°C;
 150°C (2 hours emergency)

Application Specifications:

Installation Torque: 752 lb-in ± 10%
Clamp: Breakaway secondary bolt head
Clamp Frame: Aluminum Alloy
Shearhead Bolt: Aluminum Alloy
Placement: Provided based on customer's span information

Packaging:

Typical Example: 10 spacers per wood box (25"x11.5"x11")
 Each spacer packed in plastic bag
 (Actual packaging would be based on customers specifications for project worksite.)

Product Description:

Bundle Size: 2 Conductors
Spacing: 18" center to center
Weight: 6 lbs.

Catalog Number	Conductor O.D. inches [metric]	Liner Material	Conductor Type
S2GBP451ASG4	1.08" - 1.15" [27.4 - 29.2]	EPDM	ACSR
S2GBP451ASG1HT	1.08" - 1.15" [27.4 - 29.2]	Silicone	ACSS/ACCC
S2GBP47ASG1	1.15" - 1.19" [29.2 - 30.2]	EPDM	ACSR
S2GBP47ASG2HT	1.15" - 1.19" [29.2 - 30.2]	Silicone	ACSS/ACCC
S2GBP48ASG2	1.19" - 1.25" [30.2 - 31.8]	EPDM	ACSR
S2GBP48ASG1HT	1.19" - 1.25" [30.2 - 31.8]	Silicone	ACSS/ACCC
S2GBP52ASG1	1.25" - 1.31" [31.8 - 33.3]	EPDM	ACSR
S2GBP52ASG2HT	1.25" - 1.31" [31.8 - 33.3]	Silicone	ACSS/ACCC
S2GBP51ASG1	1.32" - 1.36" [33.5 - 34.5]	EPDM	ACSR
S2GBP51ASG2HT	1.32" - 1.36" [33.5 - 34.5]	Silicone	ACSS/ACCC
S2GBP521ASG1	1.37" - 1.41" [34.8 - 35.8]	EPDM	ACSR
S2GBP521ASG2HT	1.37" - 1.41" [34.8 - 35.8]	Silicone	ACSS/ACCC
S2GBP54ASG1	1.42" - 1.46" [36.1 - 37.1]	EPDM	ACSR
S2GBP54ASG2HT	1.42" - 1.46" [36.1 - 37.1]	Silicone	ACSS/ACCC
S2GBP463ASG6	1.50" - 1.55" [38.1 - 39.4]	EPDM	ACSR
S2GBP463ASG1HT	1.50" - 1.55" [38.1 - 39.4]	Silicone	ACSS/ACCC



Table of Contents

WEJTAP™ Connection System OverviewJ-3

WEJTAP™ System; Test DataJ-4

WEJTAP™ Ordering Information.....J-5

WEJTAP™ CoversJ-5

WEJTAP™ Selection Chart
by DiameterJ-6

WEJTAP™ for CopperJ-9

WEJTAP™ for Copper; Run/Tap
Ranges by ConnectorJ-10

WEJTAP™ STIRRUP™J-11

WEJTAP™ STIRRUP™ Selection Chart
by DiameterJ-11

WEJTAP™ Installation Tooling
and Accessories.....J-12

WEJTAP™ POWERLUG™J-13

WEJTAP™ Hotstick Accessories.....J-14

WEJTAP™ Kit Chart and Ordering
InstructionsJ-15

WEJTAP™ In-Line Disconnect Switch
.....J-16

WEJTAP™ Bolted Wedge In-Line
Disconnect SwitchJ-17



WEJTAP™ Booster Function Video
:55 Seconds



Closing the Breach Video
:22 Seconds



Removal of Booster Video
:27 Seconds



Connector Installation Video
2 min. 19 Seconds



Connector Removal Video
1 min. 57 Seconds



Slow Motion Installation Video
:18 Seconds



WEJTAP™ Tool Cleaning Video
2 min. 50 Sec.



Tightening of Tool Video
:26 Seconds

WEJTAP™ Connection System

The WEJTAP™ System adds further dimension to the existing group of proven, reliable connection systems BURNDY has manufactured for over 70 years.

WEJTAP™ Components

WEJTAP™ Components are designed to provide a reliable system connection. The system consists of WEJTAP™ connectors, installation tooling (including a variety of hotline and lineman accessories) and a unique power booster.

WEJTAP™ Connectors

WEJTAP™ Connectors use an aluminum alloy wedge that is power-driven between the run and the tap cables locking them into a "C" shaped tempered aluminum alloy spring body. The spring body maintains consistent pressure throughout the life of the connection to ensure reliability during severe electrical and climatic conditions. The wedge's wiping action, combined with factory installed PENTX 1530, provides superior contact integrity. The wedge is automatically locked onto the spring body by a skiving action produced by a lance at the forward end of the WEJTAP™ installation tool.

WEJTAP™ Installation Tooling

The WEJTAP™ Installation Tool is a one-piece assembly that consists of a head and power unit. Two color-coded interchangeable heads accept all WEJTAP™ connectors and STIRRUP™. The design of the tool recognizes the need for simplicity and speed of operation as well as outstanding safety features, such as automatic gas release being vented away from the operator, fast simple breech loading, and fast advance when engaging the connector assembly. No loose parts to drop or misplace along with a booster ejector system that provides further safety to the operator. Fewer, simplified, hotline devices and handy lineman accessories complete the outstanding WEJTAP™ tooling package.



WEJTAP™ Power Booster

The WEJTAP™ Power Booster is a patented, self-contained device that provides the force necessary to drive the wedge into direct contact with the conductors. The booster is activated only when properly positioned in the tool assembly. A power cell in the booster is recessed to guard against premature discharge. The tool/booster system is designed to activate and deactivate the booster automatically should the operator decide to remove the tool from a connector prior to completing the installation. The deactivated booster may be safely removed from the tool.



Features and Benefits

- Large conductor chamfer on ends of wedge provide instant hand or visual identification of large run grooves; also ensure correct wedge orientation
- Color-coded WEJTAP™ connector and booster are packaged together for easy selection by the installer
- Factory inserted PENTX 1530 in grooves maintains low contact resistance, assists in protection against climatic conditions and is compatible with common insulations
- One piece installation tool, no project delays due to dropped or lost tool parts
- Fewer, and improved, hotstick accessories simplifies hotline installation and saves time
- Contained booster ejection system provides safety for the operator against the booster being ejected in the direction of the installer
- Automatic gas release vents away from the operator and eliminates manual gas venting improving safety
- Simplified loading speeds installation; no threading, just depress safety bar, twist and pull open; load by pushing and twisting prior to applying connector
- Features Acme-type threads providing smooth, fast engagement of tool and connector saving installation time

WEJTAP™ System; Test Data

The WEJTAP™ connectors have been subjected to extensive tests simulating the most severe service and weather conditions. In addition, the WEJTAP™ System meets or exceeds the industry standards of ANSI C119.4 Class 3, NEMA CC3 1973 Class AA, 500 Heat Cycles.

As with all BURNDY® connectors, the WEJTAP™ connectors have been designed to operate cooler than the attached conductors. The WEJTAP™ connectors have also been subjected to the ASTM B117-73 Salt Spray Test.

WEJTAP™ Information

WEJTAP™ C-member bodies are color-coded and marked with nominal conductor run and tap ranges. WEJTAP™ connector packages are labeled with a variety of common conductors with their nominal ranges.

WEJTAP™ connector wedges are marked with nominal ACSR, Aluminum, and Copper concentric standard conductors:

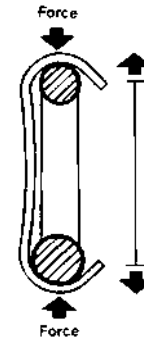
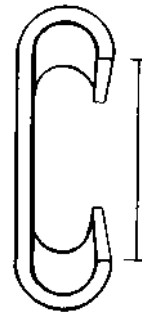
- Red WEJTAP™ connector range is Run: #8-1/0; Tap: #8-2
- Blue WEJTAP™ connector range is Run: #2-300 kcmil; Tap: #6-300 kcmil
- Yellow WEJTAP™ connector range is Run: 266.8-1590 kcmil; Tap: #6-1590 kcmil

All WEJTAP™ wedges contain a clearly defined chamfer on the large end of the run conductor groove to identify the "large run" groove. Installers will appreciate the convenience of visual or hand identification for correct wedge positioning.

WEJTAP™ wedges are driven between the run and tap conductors and activate the spring characteristics of the "C" shaped body. This action maintains contact pressure even when the connection is subjected to severe climatic and electrical conditions.

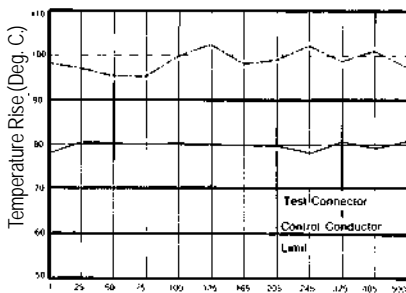


RUS Accepted



ANSI C119.4 - 1986 Heat Cycle Test

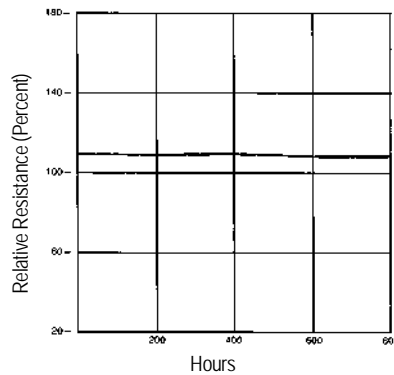
Average Temperature Rise vs. Current Cycles



Detailed test report packages are available upon request.

ASTM Salt Spray Test

Average % Relative Resistance vs. Hours of Salt Spray Exposure



WEJTAP™ Connection System

The BURNDY® WEJTAP™ Connection System has a wide variety of connectors available for many different conductor ranges.

Color coded boosters and connectors ensure proper matching during installation.

The BURNDY® Power Booster is designed and engineered for the highest reliability and safety. Proven rimfire design means misfires are almost nonexistent. Close manufacturing component tolerances provide maximum resistance to moisture or submersion.

WEJTAP™ Ordering Information

Power boosters may be ordered separately in boxes of 25.

Red Boosters: **WPBRNBOX25**
Blue Boosters: **WPBBNBOX25**
Yellow Boosters: **WPBYNBOX25**

Select appropriate connector, match with equal number of color coded boosters.

For information about conductors which are not listed, or further information, contact BURNDY® Customer Service at 1-800-346-4175.



WEJTAP™ Cover

BURNDY® WEJTAP™ Covers are installed on WEJTAP™ connectors to prevent them from coming in contact with other taps or exposed ground points. The covers are rugged snap-on devices available in four sizes to cover all connector sizes.



Cover Catalog Number	WEJTAP™ Size	Nominal Conductor Range Run	Nominal Conductor Range Tap	Cover Color
WCCR	Small Old Style Red	8-10	8-2	Black Weather Rated
WCCB	Red & Blue	2-300	6-300	
WCCSY	Small (Yellow)	300-556.50	6-556.50	
WCCLY	Large (Yellow)	556.50-1033.50	556.5-1033.50	

WEJTAP™ Selection Chart
By Diameter

Catalog Number	Sum of Diameters		Run		Tap	
	Max	Min	Max	Min	Max	Min
Installed with red booster						
WCR29	0.723	0.584	0.398	0.257	0.398	0.257
WCR30	0.649	0.516	0.398	0.257	0.325	0.206
WCR31	0.602	0.464	0.398	0.257	0.258	0.162
WCR32	0.530	0.410	0.326	0.204	0.258	0.162
WCR33	0.459	0.331	0.258	0.169	0.230	0.162
WCR34	0.324	0.256	0.162	0.128	0.162	0.128
WCR35	0.560	0.452	0.398	0.257	0.162	0.128
WCR36	0.487	0.387	0.398	0.257	0.162	0.128
WCR37	0.416	0.297	0.258	0.169	0.162	0.128
Installed with blue booster						
WCB10	0.795	0.621	0.482	0.316	0.437	0.257
WCB11	0.901	0.763	0.568	0.364	0.457	0.257
WCB12	0.707	0.526	0.568	0.364	0.204	0.162
WCB13	0.761	0.600	0.568	0.364	0.258	0.204
WCB14	0.839	0.690	0.568	0.364	0.398	0.257
WCB15	0.769	0.622	0.568	0.364	0.204	0.162
WCB16	0.823	0.664	0.568	0.364	0.258	0.204
WCB17	0.963	0.804	0.568	0.364	0.464	0.257
WCB18	1.011	0.867	0.568	0.364	0.572	0.364
WCB19	1.068	0.938	0.568	0.364	0.572	0.379
WCB20	1.130	0.975	0.568	0.364	0.572	0.386
WCB21	0.846	0.711	0.650	0.532	0.204	0.162
WCB22	0.900	0.765	0.650	0.532	0.258	0.204
WCB23	0.972	0.818	0.650	0.532	0.330	0.257
WCB24	1.052	0.897	0.650	0.532	0.500	0.324
WCB25	1.104	0.963	0.650	0.532	0.562	0.364
WCB26	1.163	1.015	0.650	0.532	0.562	0.409
WCB27	1.221	1.080	0.650	0.532	0.575	0.460
WCB28	1.284	1.141	0.650	0.532	0.650	0.525
WCB40	0.888	0.762	0.684	0.603	0.204	0.162
WCB41	0.942	0.794	0.684	0.600	0.258	0.204
WCB42	1.011	0.857	0.684	0.600	0.333	0.257
WCB43	1.094	0.936	0.684	0.600	0.500	0.324
WCB44	1.146	1.009	0.684	0.600	0.562	0.364
WCB45	1.204	1.057	0.684	0.600	0.562	0.409
WCB46	1.284	1.119	0.684	0.600	0.592	0.460
WCB47	1.368	1.188	0.684	0.600	0.684	0.600
Installed with yellow booster						
WCY48	0.932	0.765	0.750	0.537	0.204	0.162
WCY49	1.012	0.807	0.750	0.537	0.271	0.203
WCY50	1.069	0.860	0.750	0.537	0.355	0.257
WCY51	1.141	0.927	0.750	0.537	0.557	0.324
WCY52	1.190	1.001	0.750	0.537	0.588	0.364

WEJTAP™ Selection Chart
By Diameter (Continued)

Catalog Number	Sum of Diameters		Run		Tap	
	Max	Min	Max	Min	Max	Min
Installed with yellow booster						
WCY53	1.236	1.012	0.750	0.537	0.619	0.409
WCY54	1.302	1.063	0.750	0.537	0.630	0.46
WCY55	1.370	1.140	0.750	0.537	0.714	0.499
WCY56	1.456	1.245	0.750	0.537	0.750	0.524
WCY57	1.190	0.979	0.893	0.666	0.326	0.257
WCY58	1.087	0.931	0.893	0.666	0.258	0.198
WCY59	1.061	0.891	0.893	0.666	0.199	0.162
WCY60	1.854	1.686	0.950	0.722	0.950	0.722
WCY61	1.741	1.524	0.940	0.683	0.940	0.666
WCY62	1.594	1.379	0.940	0.683	0.750	0.573
WCY63	1.500	1.297	0.940	0.683	0.750	0.481
WCY64	1.421	1.216	0.940	0.683	0.650	0.436
WCY65	1.360	1.147	0.940	0.683	0.562	0.382
WCY66	1.305	1.097	0.940	0.683	0.562	0.336
WCY67	1.270	1.054	0.940	0.683	0.450	0.315
WCY68	1.253	1.115	0.940	0.683	0.326	0.257
WCY69	1.187	1.059	0.940	0.683	0.262	0.204
WCY70	1.130	1.013	0.940	0.683	0.204	0.162
WCY71	2.216	2.074	1.133	0.907	1.156	0.947
WCY72	2.133	1.999	1.133	0.907	1.142	0.927
WCY73	2.098	1.946	1.133	0.907	1.142	0.907
WCY74	2.035	1.891	1.133	0.907	1.142	0.858
WCY75	1.969	1.822	1.133	0.889	0.927	0.763
WCY76	1.901	1.741	1.133	0.889	0.900	0.700
WCY77	1.829	1.677	1.133	0.889	0.750	0.575
WCY78	1.750	1.599	1.133	0.889	0.729	0.525
WCY79	1.670	1.526	1.133	0.889	0.722	0.364
WCY80	1.610	1.466	1.133	0.889	0.608	0.364
WCY81	1.555	1.411	1.133	0.889	0.608	0.364
WCY82	1.506	1.362	1.133	0.889	0.436	0.324
WCY83	1.440	1.288	1.133	0.889	0.398	0.257
WCY84	1.369	1.221	1.133	0.889	0.333	0.203
WCY85	1.306	1.158	1.133	0.889	0.258	0.162
WCY86	2.496	2.332	1.250	0.893	1.250	1.000
WCY87	2.418	2.251	1.250	0.893	1.250	0.856
WCY88	2.354	2.194	1.250	0.893	1.211	0.971
WCY89	2.297	2.137	1.250	0.893	1.200	0.923
WCY90	2.238	2.083	1.250	0.893	1.159	0.868
WCY91	2.173	2.013	1.250	0.893	1.130	0.856
WCY92	2.104	1.950	1.250	0.893	0.904	0.720
WCY93	2.029	1.869	1.250	0.893	0.900	0.700
WCY94	1.967	1.831	1.250	0.893	0.750	0.588
WCY95	1.888	1.728	1.250	0.893	0.722	0.525
WCY96	1.811	1.648	1.250	0.893	0.609	0.364
WCY97	1.748	1.591	1.250	0.893	0.598	0.385
WCY98	1.695	1.533	1.250	0.893	0.598	0.364
WCY99	1.644	1.489	1.250	0.893	0.398	0.324
WCY100	1.572	1.400	1.250	0.893	0.351	0.257

WEJTAP™ Selection Chart
By Diameter (Continued)

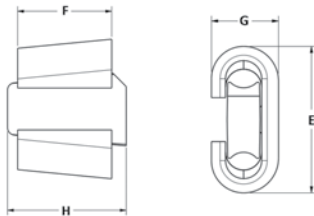
Catalog Number	Sum of Diameters		Run		Tap	
	Max	Min	Max	Min	Max	Min
Installed with yellow booster						
WCY101	1.503	1.343	1.250	0.893	0.261	0.204
WCY102	1.454	1.284	1.250	0.893	0.198	0.162
WCY103	2.604	2.484	1.302	1.242	1.302	1.242
WCY104	2.567	2.407	1.302	1.242	1.265	1.165
WCY105	2.489	2.329	1.302	1.242	1.187	1.087
WCY106	2.418	2.258	1.302	1.242	1.116	1.016
WCY107	2.373	2.213	1.302	1.242	1.071	0.971
WCY108	2.318	2.158	1.302	1.242	1.016	0.916
WCY109	2.255	2.095	1.302	1.242	0.953	0.853
WCY110	2.179	2.019	1.302	1.242	0.877	0.777
WCY111	2.102	1.942	1.302	1.242	0.800	0.700
WCY112	2.044	1.884	1.302	1.242	0.742	0.642
WCY113	1.961	1.801	1.302	1.242	0.659	0.559
WCY114	1.940	1.740	1.350	1.242	0.590	0.498
WCY115	1.863	1.663	1.350	1.242	0.513	0.421
WCY116	1.812	1.612	1.350	1.242	0.462	0.370
WCY117	1.762	1.562	1.350	1.242	0.412	0.320
WCY118	1.703	1.503	1.350	1.242	0.353	0.261
WCY119	1.631	1.431	1.350	1.242	0.281	0.189
WCY120	1.580	1.380	1.350	1.242	0.230	0.138
WCY121	2.844	2.642	1.422	1.314	1.422	1.328
WCY122	2.764	2.562	1.422	1.314	1.342	1.248
WCY123	2.680	2.479	1.422	1.314	1.258	1.164
WCY124	2.596	2.394	1.422	1.314	1.174	1.080
WCY125	2.535	2.333	1.422	1.314	1.113	1.019
WCY126	2.481	2.279	1.422	1.314	1.059	0.965
WCY127	2.426	2.224	1.422	1.314	1.004	0.910
WCY128	2.376	2.174	1.422	1.314	0.954	0.860
WCY129	2.286	2.084	1.422	1.314	0.864	0.770
WCY130	2.216	2.014	1.422	1.314	0.794	0.700
WCY131	2.152	1.950	1.422	1.314	0.730	0.636
WCY132	2.070	1.868	1.422	1.314	0.648	0.554
WCY133	1.990	1.786	1.422	1.314	0.568	0.472
WCY134	1.931	1.729	1.422	1.314	0.509	0.415
WCY135	1.876	1.674	1.422	1.314	0.454	0.360
WCY136	1.831	1.629	1.422	1.314	0.409	0.315
WCY137	1.771	1.569	1.422	1.314	0.349	0.255
WCY138	1.706	1.504	1.422	1.314	0.284	0.190
WCY139	1.664	1.462	1.422	1.314	0.242	0.148
WCY140	3.045	2.090	1.533	1.471	1.547	1.471
WCY145	2.596	2.534	1.533	1.032	1.094	1.032

WEJTAP™ for Copper, Type WCB-C
Connection System for Copper

The BURNDY® Copper WEJTAP™ powder actuated copper connectors are designed for overhead copper-to-copper tap applications.

Features and Benefits

- Expanded range taking capabilities
- Larger size connector for #6 to #2 applications
- Uses standard WEJTAP™ installation tooling
- Meets latest ANSI C119.4 (2011) including optional fault current test annex
- Prefilled with PENETROX™ E to improve the performance over the life of the connection



Catalog Number	Copper Conductor Dia. Accommodated (in)			Dimensions				Tooling	Installation Booster Color	Fault Current Rating (KA)	
	Run Range	Tap Range	Sum Range	E	F	G	H				
WCB4C4	0.162 - 0.258	0.162 - 0.232	0.324 - 0.464	2.40	1.63	1.02	2.05	WTHRB-1S	Blue	12.50	
WCB2C2	0.258 - 0.368	0.162 - 0.292	0.452 - 0.600								
WCB10C2	0.292 - 0.376	0.162 - 0.292	0.524 - 0.665								
WCB20C2	0.300 - 0.430	0.162 - 0.292	0.576 - 0.734								
WCB20C20		0.300 - 0.414	0.710 - 0.844								
WCB30C2	0.360 - 0.516	0.162 - 0.292	0.622 - 0.775								12.50
WCB40C2	0.375 - 0.538	0.162 - 0.292	0.680 - 0.822								
WCB40C20		0.330 - 0.464	0.814 - 0.952								
WCB40C40		0.375 - 0.538	0.936 - 1.072								
WCB250C2	0.435 - 0.574	0.162 - 0.292	0.730 - 0.875							12.50	
WCB250C20		0.293 - 0.430	0.875 - 1.033									25.00
WCB250C250		0.431 - 0.574	1.033 - 1.150								38.00



BURNDY Catalog Number:
WCB4C4

RUN	TAP
#6 CU SOL	#6 CU SOL
#6 CU STR	#6 CU SOL - #6 CU STR
#4 CU SOL	#6 CU SOL - #4 CU SOL
#4 CU STR	#4 CU STR - #6 CU SOL
#2 CU SOL	#6 CU SOL - #6 CU STR

BURNDY Catalog Number:
WCB2C2

RUN	TAP
#2 CU SOL	#4 CU SOL - #2 CU SOL
#2 CU STR	#6 CU SOL - #2 CU STR
1/0 CU STR	#6 CU SOL - #4 CU STR

BURNDY Catalog Number:
WCB10C2

RUN	TAP
#2 CU STR	#4 CCS* - #2 CU STR
1/0 CU SOL	#6 CU SOL - #2 CU STR
1/0 CU STR	#6 CU SOL - #2 CU STR

BURNDY Catalog Number:
WCB20C2

RUN	TAP
1/0 CU STR	#2 CU SOL - #2 CU STR
2/0 CU STR	#6 CU SOL - #2 CU STR

BURNDY Catalog Number:
WCB20C20

RUN	TAP
1/0 CU STR	1/0 CU STR
2/0 CU STR	1/0 CU STR - 2/0 CU STR

BURNDY Catalog Number:
WCB30C2

RUN	TAP
4/0 CU SOL	#6 CU SOL - #2 CU STR

BURNDY Catalog Number:
WCB40C2

RUN	TAP
4/0 CU STR	#6 CU SOL - #2 CU STR

BURNDY Catalog Number:
WCB40C20

RUN	TAP
3/0 CU STR	1/0 CU STR - 3/0 CU STR
4/0 CU STR	1/0 CU STR - 2/0 CU STR

BURNDY Catalog Number:
WCB40C40

RUN	TAP
4/0 CU STR	4/0 CU SOL - 4/0 CU STR

BURNDY Catalog Number:
WCB250C2

RUN	TAP
250 CU STR	#6 CU SOL - #2 CU STR

BURNDY Catalog Number:
WCB250C20

RUN	TAP
250 CU STR	1/0 CU STR - 2/0 CU STR

BURNDY Catalog Number:
WCB250C250

RUN	TAP
250 CU STR	4/0 CU SOL - 250 CU STR

* Copper Clad Steel

WEJTAP™ STIRRUP™

Large Run Conductor position is identified on all wedges via a distinct chamfer.

QIK Selector - for common ACSR, Aluminum and Copper Conductors



Catalog Number	Nominal Cable Range	Bail Size
Small Red Cable Range 6-2		
WSS1	6	2
WSS2	5, 4, 2	
Medium Blue Cable Range 1-300		
* WSM1	2, 1, 1/0, 2/0	2
WSM2	2/0, 3/0	2
WSM3	3/0 - 4/0	2
WSM4		2/0
WSM5	266.8	2
WSM6		1/0
WSM7	350	1/0
WSM11	266.8 - 336.4	4/0

Catalog Number	Nominal Cable Range	Bail Size
Large Yellow Cable Range 300-1033.5		
WSL1	336.4	1/0
WSL2		2/0
WSL3		4/0
WSL4	397.5 - 477	1/0
WSL5		2/0
WSL6		4/0
WSL7	556.5	1/0
WSL8		2/0
WSL9		4/0
WSL10	636	4/0
WSL11		2/0
WSL12	795	2/0
WSL13		4/0
WSL14	1033.5	4/0

* WSM1 now accepts #2 conductor

WEJTAP™ STIRRUP™ Selection Chart

By Diameter

Catalog Number	Sum of Diameters		Run		Tap	
	Max.	Min.	Max.	Min.	Max.	Min.
Small stirrups						
WSS1	0.454	0.412	0.204	0.162	0.250	0.250
WSS2	0.575	0.456	0.325	0.206	0.250	0.250
Medium sized stirrups						
WSM1	0.697	0.575	0.447	0.325	0.250	0.250
WSM10	0.887	0.784	0.563	0.460	0.324	0.324
WSM2	0.752	0.615	0.502	0.365	0.250	0.250
WSM3	0.813	0.660	0.563	0.410	0.250	0.250
WSM4	0.938	0.835	0.563	0.460	0.375	0.375
WSM5	0.892	0.787	0.642	0.537	0.250	0.250
WSM6	0.968	0.861	0.642	0.537	0.324	0.324
WSM7	1.008	0.898	0.684	0.574	0.324	0.324
WSM8	0.934	0.824	0.684	0.574	0.250	0.250
WSM9	0.771	0.649	0.447	0.325	0.324	0.324
Large stirrups						
WSL1	1.050	0.927	0.726	0.603	0.324	0.324
WSL10	1.479	1.389	1.019	0.929	0.460	0.460
WSL11	1.394	1.304	1.019	0.929	0.375	0.375
WSL12	1.515	1.399	1.140	1.024	0.375	0.375
WSL13	1.600	1.484	1.140	1.024	0.460	0.460
WSL14	1.708	1.606	1.248	1.146	0.460	0.460
WSL2	1.101	0.978	0.726	0.603	0.375	0.375
WSL3	1.186	1.063	0.726	0.603	0.460	0.460
WSL4	1.186	1.046	0.862	0.722	0.324	0.324
WSL5	1.237	1.097	0.862	0.722	0.375	0.375
WSL6	1.322	1.182	0.862	0.722	0.460	0.460
WSL7	1.251	1.170	0.927	0.846	0.324	0.324
WSL8	1.302	1.221	0.927	0.846	0.375	0.375
WSL9	1.387	1.306	0.927	0.846	0.460	0.460

WEJTAP™ Installation Tooling and Accessories



Type WTB

The WEJTAP™ patented tool body is a one-piece assembly basic drive mechanism used to install WEJTAP™ and STIRRUP™ connectors ranging from #8 AWG through 1590 kcmil ACSR.



Type WTHRB1S

WEJTAP™ tool head operating platform for small and medium range (red/blue coded) connectors.



Type WTHY1S

WEJTAP™ tool head operating platform for medium and large range (yellow coded) connectors.



Type WTOCY

WEJTAP™ removal clip for red type II and medium (blue coded) tap connectors used with type WTHRB tool head.



Type WTOCBR

WEJTAP™ removal clip for large (yellow coded) tap connectors used with type WTHY tool head.



Type WTCK

WEJTAP™ tool cleaning/maintenance kit for use with type WTB tool body.



Type WTBASY1

WEJTAP™ ram replacement assembly.

WEJTAP™ POWERLUG™

WEJTAP™ POWERLUG™ terminals are made of cast aluminum alloy for termination of ACSR and aluminum conductors.

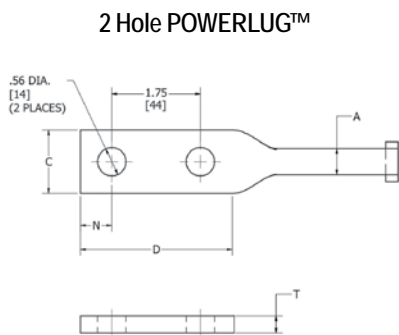


Fig. 1

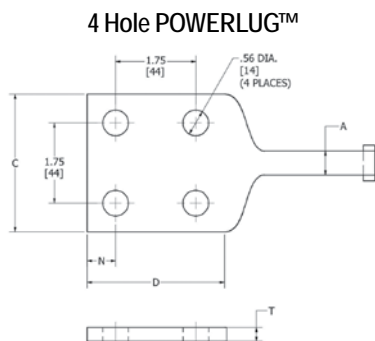


Fig. 2

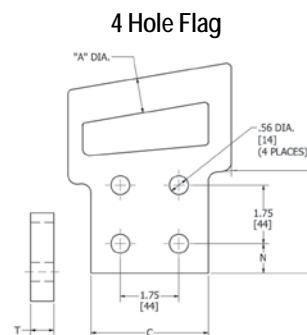


Fig. 3

Catalog Number	Tap Groove for Connector Selection	Standard Conductor		Figure No.	Holes in Pad	Dimension			
		ACSR	ASC/AAC			C	D	N	T
WCAB30R2N	4/0 Standard ACSR (.563 in OD)	6 Str. - 266.8	6 Str. - 300	1	2	1-1/4	3	5/8	0.34
WCAB30R4N				2	4	3	3	5/8	0.30
WCBB30R4N				3	4	3	3	5/8	0.30
WCAY39R2N	336.4 Standard ACSR (.721 in OD)	266.8 - 556.5	336.4 - 636	1	2	1-3/4	3	5/8	0.34
WCAY39R4N				2	4	3	3	5/8	0.30
WCBY39R4N				3	4	3	3	5/8	0.30
WCAY49R2N	795 Standard ACSR (1.06 in OD)	605 - 1033.5	715.5 - 1113	1	2	1-3/4	3-1/2	7/8	0.69
WCAY49R4N				2	4	3-1/2	3-1/2	7/8	0.69
WCBY49R4N				3	4	3-1/2	3-1/2	7/8	0.69

NOTE: The recommended connector and booster are ordered separately. Catalog number is for the POWERLUG™ only. Use the Tap Groove Connector diameter, along with the application run conductor diameter, to choose the correct WEJTAP™ connector.

MULTIPLE CONDUCTOR TAP APPLICATION

Connector	*Run Groove	*Tap Groove
WCY64PB	Three - 1/0 ACSR (6/1) Diameter = 0.398	One - 4/0 ACSR (6/1) Diameter = 0.563
WCY65PB	Three - 1/0 ACSR (6/1) Diameter = 0.398	One - 3/0 ACSR (6/1) Diameter = 0.502
WCY63PB	Three - 2/0 ACSR (6/1) Diameter = 0.447	One - 4/0 ACSR (6/1) Diameter = 0.563
WCB11PB	Three - #4 stranded Diameter = 0.232	One - 1/0 ACSR (6/1) Diameter = 0.398
WCY54PB	Three - 1/0 stranded Diameter = 0.368	One - 4/0 stranded Diameter = 0.522
WCY53PB	Three - 1/0 stranded Diameter = 0.368	One - 3/0 stranded Diameter = 0.464
WCY64PB	Three - 2/0 stranded Diameter = 0.414	One - 4/0 stranded Diameter = 0.522
WCB11PB	Three - #4 stranded Diameter = 0.232	One - 1/0 stranded Diameter = 0.368

* Electrically, the three smaller conductors are the likely taps, however, during installation, they are located in the larger run groove due to their larger aggregate sum.



Type WHSCWH

WEJTAP™ hotstick connector clamp used to hold the tap connector spring-body and wedge for installation on energized lines with the shotgun hotstick.



Type WHSWHADP

WEJTAP™ hotstick angle wedge holder adapter attaches wedge clamp to universal hotstick for hotline installation.



Type WHSWB

WEJTAP™ hotstick wirebrush attaches to the universal hotstick for cleaning the contact surface of the line conductor.



Type WHSPBC

WEJTAP™ hotstick dual cable clamp used to hold run and tap conductors in position during hotline installation. Universal for all applications from #8-1272 ACSR.



Type WCHAWAS

WEJTAP™ hotstick angle wedge holder adapter attaches wedge clamp to universal hotstick for hotline installation with shotgun stick.



Type WHSGB

WEJTAP™ hotstick breech drive. Geared shotgun hotstick adapter easily latches to the breech end of WEJTAP™ installation tool with disassembly for use on energized lines.



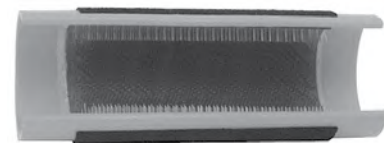
Type WHSSADP

WEJTAP™ hotstick spring loaded 90 degree adapter, used to attach tool to universal hot-stick for hotline installations.



Type WHSTA

WEJTAP™ hotstick tool (actuator) hammer attaches to the universal hotstick for striking the tool actuator button to complete the installation.



Type WHHWB

WEJTAP™ hand-held wire brush for cleaning surface contact areas on non-energized conductors.

WEJTAP™ KIT ORDERING INSTRUCTIONS



Type WTCC
(Carrying Case Only)

WEJTAP™ plastic carrying case. Designed for rugged use in all weather conditions. It accommodates WEJTAP™ installation tool, removal clips, and cleaning kit.



Type WABAG

WEJTAP™ accessories bag is designed for use in carrying installation tool(s), removal clips, and cleaning kit. Hotstick accessories may be accommodated as well. Holders for power boosters are conveniently located on the outside of the bag.

	*Non-Hot Stick Power Unit	Hot Stick Power Unit	Self-Firing Tool	Large Frame (Yellows)	Large Frame Take Off Clip	Small Frame (Red, Blue)	Cleaning Kit	Small Frame Take Off Clip	Molded Carrying Case	Canvas Style Tool Bag
Component Kit Catalog No.	WTBNHS	WTB	WTBGBW	WTHY1S	WTOCY	WTHRB1S	WTCK	WTOCBR	WTCC	WABAG
WT2B2RBYWABAG		2		1	1	1	1	1		1
WT2BRBYWABAG		2				1	1	1		1
WTRBYK		1		1	1	1	1	1	1	
WTRBYKNHS	1			1	1	1	1	1	1	
WTYK		1		1	1		1			
WTYKNHS	1			1	1		1			
WTRBK		1				1	1	1	1	
WTRBKNHS	1					1	1	1	1	
WT2BRBYK		2		1	1	1	1	1	1	
WT2B2RBYK		2		1	1	2	1	1	1	
WTY		1		1			1			
WTRB		1				1	1			
WTYWABAG		1		1	1		1			1
WTYKNHSBAG	1			1	1		1			1
WTRBWABAG		1				1	1	1		1
WTRBKNHSBAG	1					1	1	1		1
WTBGBWRBYK			1	1	1	1	1	1	1	
WTRBYWABAG		1		1	1	1	1	1		1
WTRBYKNHSBAG	1			1	1	1	1	1		1

* Non-Hotstick power units do not contain features allowing activation with Hotsticks. They are not upgradeable.

**Contact your BURNDY® representative for a WEJTAP™ demonstration
or contact the factory at 1-800-346-4175**

WEJTAP™ In-Line Disconnect

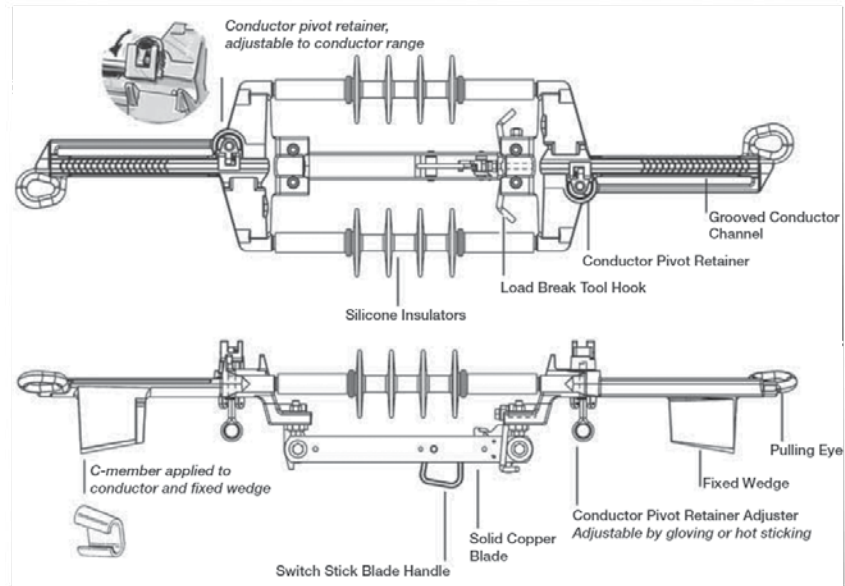
The BURNDY® In-Line Disconnect utilizes proven WEJTAP™ technology in combination with industry standard components to provide reliable performance of switch applications.

1. Utilizes WEJTAP™ connectors for securing the switch to the distribution line in tension applications.
2. Utilizes industry recognized and proven GST&D Products, LTD. blade components along with dual Advance Rubber Products, Inc., Insulators attached to a BURNDY® designed yoke plate assembly.
3. WEJTAP™ In-Line Disconnect designed for use in gloving and hot stick applications in conjunction with an industry standard load break tool.
4. Dual insulators minimize the switch movement during opening and closing of the blade.
5. Installation steps are minimized. The switch can be snapped directly on the line and secured with our conductor pivot retainer, designed into the switch frame.
6. WEJTAP™ tooling is used to secure the "C Member" to the built-in wedge feature of the frame. Providing reliable mechanical and electrical performance.
7. The blade is positioned on the switch to simplify cutting the conductor during installation.
8. In-Line Disconnect is removable and reuseable.
9. Other conductor sizes available. Please contact factory.



Product Specifications

Voltage:	15 kV (110 kV BIL), 29 kV (150 kV BIL), 35 kV (200 kV BIL)
Current:	900 Ampere RMS
Short Circuit:	Momentary Current 40,000 Ampere RMS, Asymmetrical Three Second Current 25,000 Ampere RMS, Symmetrical
Strength:	Body 10,000 lbs. Pulling Eye 6,000 lbs.
Insulators:	Silicone
Meets Industry Standards:	ANSI C119.4, C37.32 IEEE C37.30, C37.34 CSA C83.71 ASTM B117 Salt Fog

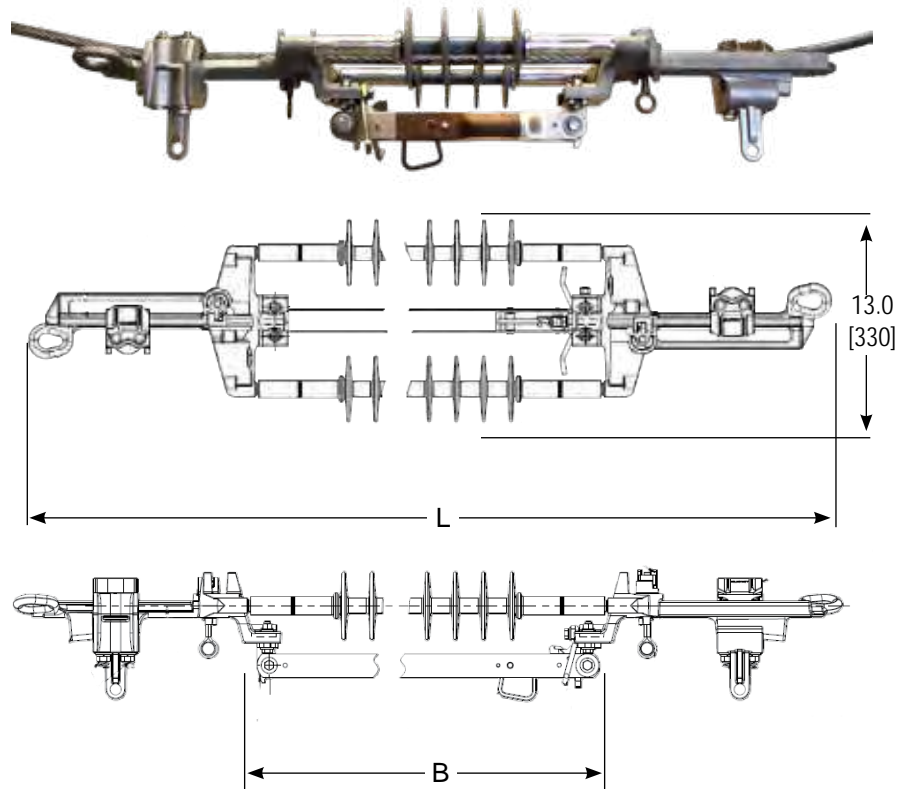


Catalog Number	KV/BIL Ratings	Conductor Dia. Range	Common Conductors		Replacement Tap
			ACSR	AAC	
WAD1015	15 kV/110 kV BIL	0.398" - 0.502"	1/0 (6/1), 2/0 (6/1), 3/0 (6/1)	2/0, 3/0	WADRT1
WAD1029	29 kV/150 kV BIL				
WAD1035	35 kV/200 kV BIL				
WAD4015	15 kV/110 kV BIL	0.522" - 0.609"	4/0 (6/1), 266.8 (18/1)	4/0, 250, 266.8 (7 Str. , 19 Str.), 336 compact	WADRT1
WAD4029	29 kV/150 kV BIL				
WAD4035	35 kV/200 kV BIL				
WAD33615	15 kV/110 kV BIL	0.642" - 0.723"	266.8 (26/7, 30/7) 336.4 (18/1, 26/7)	336, 350, 397.5, 477 compact	WADRT2
WAD33629	29 kV/150 kV BIL				
WAD33635	35 kV/200 kV BIL				
WAD47715	15 kV/110 kV BIL	0.741" - 0.814"	336.4 (30/7), 397.5 (All Str.), 477 (18/1)	477 (19 Str. , 37 Str.), 500 (19 Str. , 37 Str.), 556 compact	WADRT1
WAD47729	29 kV/150 kV BIL				
WAD47735	35 kV/200 kV BIL				
WAD55615	15 kV/110 kV BIL	0.846" - 0.883"	477 (24/7, 26/7, 30/7), 556 (18/1)	556 (19 Str. , 37 Str.)	WADRT2
WAD55629	29 kV/150 kV BIL				
WAD55635	35 kV/200 kV BIL				
WAD79515	15 kV/110 kV BIL	0.953" - 1.040"	556 (26/7, 30/7), 795 (36/1)	795 (37 Str. , 61 Str.)	WADRT3
WAD79529	29 kV/150 kV BIL				
WAD79535	35 kV/200 kV BIL				

Type WAD-M
Bolted Wedge In-Line Disconnect Switch

Combining the best features of the WEJTAP™ In-Line Disconnect Switch, the Type WAD-M Bolted Wedge enhances the range taking capabilities with an innovative hybrid bolted connector while maintaining the time savings features.

1. Bolted hybrid connector combines bolted technology with wedge features to make a reliable connection while taking the guess work of knowing when "tight is tight".
2. Spring loaded pivot retainer snaps onto the conductor freeing the hands of the installer to quickly and safely complete the installation.
3. Dual insulators minimize the switch rotation during opening and closing, especially in mid-span applications.
4. The switch can be easily removed and reused (reconditioning required).



Product Specifications

Voltage: 15 kV (110 kV BIL)
29 kV (150 kV BIL)
35 kV (200 kV BIL)

Current: 900 Ampere RMS

Strength: Body 10,000 lbs

Catalog Number	kV / BIL Ratings	Conductor Dia. Range	Conductors		Replacement Connector	Dimensions	
			ACSR	AAC		L (in) [mm]	B (in) [mm]
WADM33615	15 kV / 110 kV BIL	0.398" - 0.72"	1/0 (6/1) to 336.4 (18/1)	2/0 (7) (19) to 350 (19)	WADM336CON	45 [1140]	13.4 [340]
WADM33629	29 kV / 150 kV BIL					49 [1250]	17.9 [455]
WADM33635	35 kV / 200 kV BIL					54 [1370]	22.4 [569]
WADM55615	15 kV / 110 kV BIL	0.721" - 0.927"	336.4 (26/7) to 556.5 (26/7)	397.5 (19) to 556 (19)	WADM556CON	45 [1140]	13.4 [340]
WADM55629	29 kV / 150 kV BIL					49 [1250]	17.9 [455]
WADM55635	35 kV / 200 kV BIL					54 [1370]	22.4 [569]
WADM79515	15 kV / 110 kV BIL	0.927" - 1.040"	556.5 (26/7) to 795 (36/1)	650 (37) to 795 (37)	WADM795CON	45 [1140]	13.4 [340]
WADM79529	29 kV / 150 kV BIL					49 [1250]	173.9 [445]
WADM79535	35 kV / 200 kV BIL					54 [1370]	22.4 [569]

Tightening torque for all sizes is 480 in-lbs; 3/4" wrench

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Table of Contents

Underground Network Distribution Products

Technical Data: Underground System Connection & Protection..... K-3

Types of Underground Connectors & Accessories..... K-4

Multiple Outlet Connectors Technical Data..... K-5

BURNDY® MOLE™ Selection Considerations..... K-8

Bus Configuration Illustrations..... K-8

MOLE™ Ordering Matrix..... K-9

MOLE™ Types..... K-10

MOLE™ Stud Connector Types..... K-13

MOLE™ Accessories..... K-17

HYCRAB™ Technical Data..... K-23

HYCRAB™ and Accessories..... K-23

Network Protection General Information..... K-25

Limiters and Accessories..... K-27

High Capacity Limiters..... K-47

Underground Residential Distribution Products

Stud MOLE™, URD MOLE™ and Tap Kits..... K-49

Overhead or Underground Secondary Connectors

URD Insulated Splice Kit Type YS-CG..... K-51

HYREDUCER™ Splices Type YRB-U..... K-52

HYREDUCER™ Splices Type YRB-T..... K-55

URD Service Tap Types K-P-C..... K-56

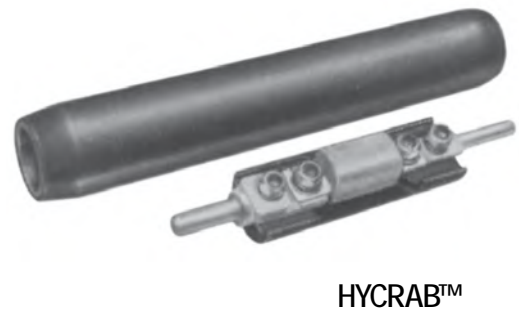
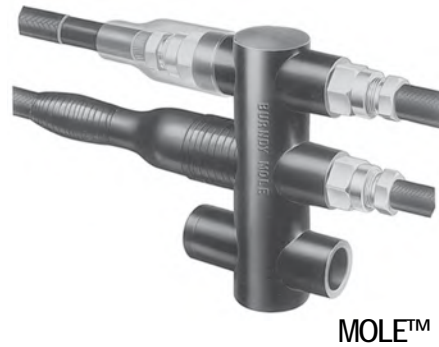


Table of Contents - Products for Underground Network Distribution Systems

MOLE™		Limiters	
Type ZM.....	K-10	Types YFS-CR, YFS-CP.....	K-27
Type ZMT.....	K-11	Type YFS-CPL.....	K-28
Type ZMX.....	K-12	Types YFSR, YFSP.....	K-29
		Type YFSP-L.....	K-30
MOLE™ Stud Connectors		Types YFA-CR, YFA-CP.....	K-31
Type ZMLDN.....	K-13	Type YFA-CPL.....	K-32
Type Z2MLDN.....	K-15	Types YFAR, YFAP.....	K-33
Type ZMDN.....	K-16	Type YFAP-L.....	K-34
Type ZMTDN.....	K-17	Types YFM-CR, YFM-CP.....	K-35
		Type YFM-CPL.....	K-36
MOLE™ Outlet Plugs		Types YFMR, YFMP.....	K-37
Type Z-P.....	K-17	Type YFMP-L.....	K-38
		Type VYFT.....	K-39
Socket and Nut Assembly		Type NYFT.....	K-39
Type Z-NR.....	K-18	Type LYS.....	K-40
		Type LYM.....	K-41
MOLE™ Compression Cone		Type LF.....	K-42
Type Z (Concentric & Compressed Conductor).....	K-19	Type LYBASEH.....	K-43
Type Z (Compact Conductor).....	K-20	Type LYS34P2.....	K-43
		Type LYS-P5.....	K-44
MOLE™ Coupler		Type LYM34P3.....	K-45
Type ZMS.....	K-21	Type LYS-P6.....	K-45
		T-Connector	
MOLE™ Sleeves		Type NYT.....	K-46
Type Z-C (Outlet Insulating Sleeve).....	K-21		
		High Capacity Limiter Information.....	K-48
HYCRAB™			
Type YM.....	K-23		
Type ZNM.....	K-24		

Underground System Connection and Protection

Nowhere in the distribution of electrical power are the problems of connecting conductors and equipment against the effects of fault currents as complex as in underground systems. For more than 85 years, BURNDY® engineers have worked closely with utilities to develop devices for connecting and protecting conductors and associated equipment in underground systems. These devices, with their inherent dependability and economy, have contributed to the rapid growth of underground systems throughout the country. To assist utility personnel in more effectively selecting and applying these devices, the engineering talent and experience of BURNDY have been pooled to prepare this technical section, and the catalog information that follows.

These devices are designed for use in both radial and network type underground systems. Radial systems (Fig. 1) distribute power economically except in high load density areas where a high degree of service reliability is required.

Network systems (Fig. 2) have become standard for AC power distribution where load density is high and service continuity must be assured under nearly all conditions. The improved equipment and methods which are described in this catalog have been designed to meet these secondary network system requirements and to reduce the cost of installation and maintenance.

Early Problems in Underground Connections

Despite the many advantages of underground distribution, a major problem was that of making connections in congested manholes or junction boxes. The necessary procedure - soldering conductors, taping joints, and wiping lead covered cable - was so complex, that it demanded considerable skill and was time consuming and costly. This involved procedure had to be repeated each time a service was added to a main. When completed, the multiple-branch joints were excessively bulky and their electrical and mechanical performance suffered from the shortcomings of soldered connections.

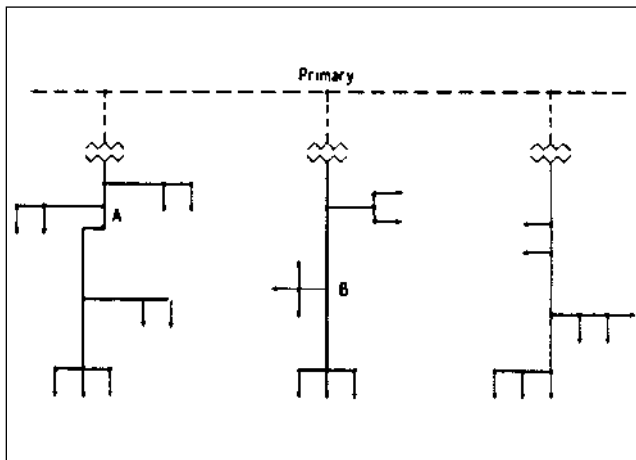


Figure 1: Radial Secondary Distribution System

The installation of underground distribution made greater strides as those early connection methods gave way to specialized products and techniques developed by BURNDY at the request of, and in close collaboration with, engineers of leading utilities. These specialized connectors were easier and more economical to install, more compact, and more dependable electrically and mechanically.

For installation in conjunction with these connectors, BURNDY also developed products to protect the secondary system from the effects of fault currents. The continuing improvement of these products based on field experience and laboratory research, is contributing to even greater dependability and economy in underground distribution.

Design Objectives in Connectors for Underground

While each of the principal types of equipment described in the following pages has been designed to meet particular service requirements, all have several basic objectives in common:

Reliability: To minimize outages and their serious consequences in the high load density areas serviced by underground systems.

Ease of Installation: Compact for easy installation in the confined space of a manhole and transformer vaults. Mechanical connections that eliminate difficult solder joints.

Economy: By reducing the time and skill required for installation of a dependable, insulated compact connection.

Versatility: For permitting easier changes, expansion, and additional services with a minimum of system shutdown.

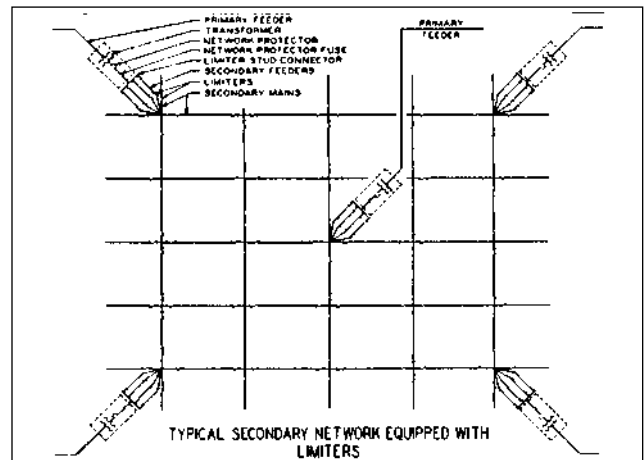


Figure 2: Typical Secondary network Equipped with Limiters

Underground Connectors and Accessories

The MOLE™ and HYCRAB™

The most popular of the engineered connectors developed specifically for underground manholes and transformer vaults are the MOLE™ and HYCRAB™ that provide for multiple connections at a single junction point of main, feeder, and service cables. Pre-insulated to eliminate extensive taping, these connectors are essentially bus bars with several cable outlets: mechanical installation of the MOLE™, and compression installation in the HYCRAB™.

Limiters and Fuses

To prevent "roasting" of cable insulation, resulting from fault current, BURNDY has developed cable limiters that are inserted in each secondary cable at all junction points. Network protector fuses have been designed to back up the protector breaker in the event of a malfunction during a transformer or primary cable fault. By coordinating the time current characteristics of the fuse with those of the cable limiters, the possibility of limiter blowing on primary faults is eliminated, which in turn reduces the fault finding task. Also, limiter, fuse, and cable insulation characteristics must be carefully coordinated to assure isolating a fault on the secondary before it can cause extensive damage or interrupt service in other sections of the secondary system.

High Capacity Limiter 200,000 Amperes at 600 Volts

The BURNDY® High Capacity Limiter is designed to economically protect electrical distribution systems from the destructive effect of high energy faults. The increasing number of 600 volt secondary network installations for industrial and commercial applications demand a cable limiter that can safely interrupt 200,000 amperes (symmetrical available) and one that will also completely coordinate with the higher voltage network protector fuses.

Available fault currents as high as 200,000 amperes rms at 600 volts across the fusible elements have been interrupted during tests on the BURNDY® High Capacity Limiter. The power factor during these tests was less than 15%, thereby imposing the most difficult clearing conditions. No external disturbance is experienced upon clearing fault currents from the "float" value to 200,000 amperes. The quartz filler absorbs the intense energy generated by interrupting the fault current. The quartz fuses into tubular fulgurites, with a high dielectric strength, and forms an insulating barrier between the melted link sections. This action prevents restrike of the internal arc. The rugged glass melamine housing provides a vessel that completely contains the developed energy.

This carefully developed time-current characteristics and rigid manufacturing tolerances assure proper coordination with the network protector fuses and the insulation damage characteristics of 4/0, 250, 350, 500, and 750 kcmil cable.

The High Capacity Limiter is available in four variations to accommodate a variety of installation practices. The Type HYS has cable sockets at both ends, which allow for indenting to the cable ends with a hydraulic BURNDY® HYPRESS™. The HYAO type has an offset lug on one end which permits back-to-back mounting on bus bar.

For those installations where the BURNDY® MOLE™ product is used for manhole junctions or transformer vault buses, the Type HYM permits a replaceable connection of the limiter directly to the MOLE outlet at one end and a compression cable connection at the other.

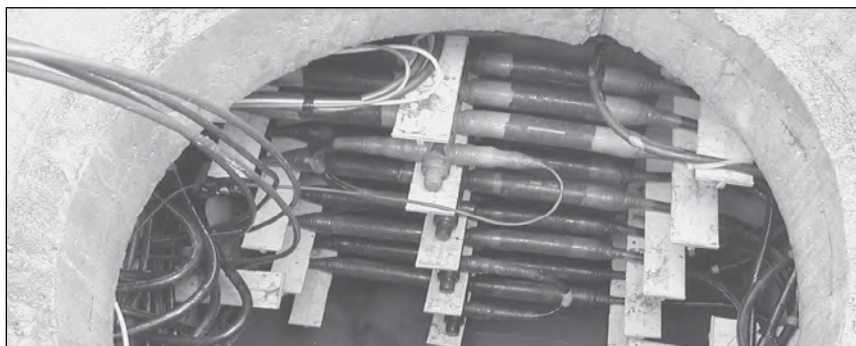
Modern electrical distribution systems require low cost protection to safeguard costly equipment and quickly isolate faults, so that the undamaged portions of the system may function normally. BURNDY® High Capacity Limiters assure positive, economical protection when installed in properly designed systems.

Compression Connectors

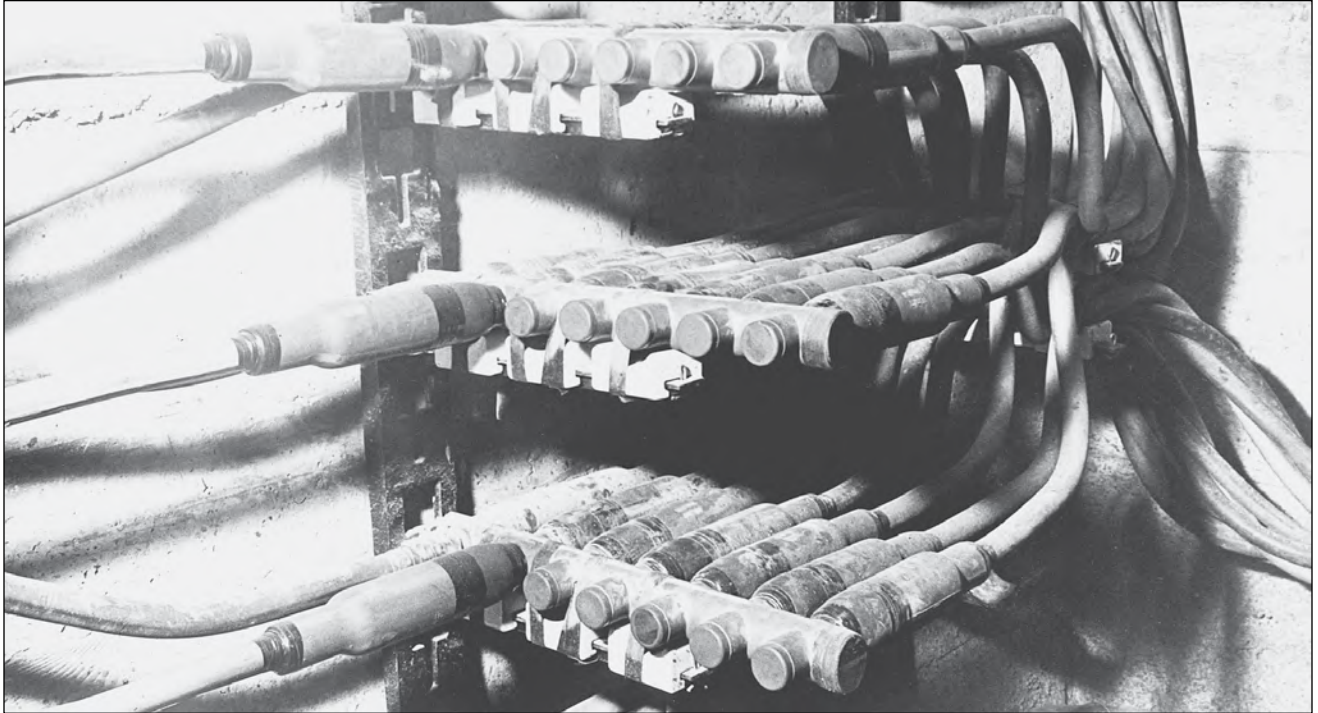
BURNDY® HYDENT™ compression type connectors, and installation tools, have been designed for splicing and terminating copper as well as aluminum underground cables, in both primary and secondary circuits. BURNDY tools and dies are custom designed to produce sound electrical, and mechanical joints on BURNDY connectors. The use of the BURNDY® Engineered System with matched tools, connectors and dies, assures optimum results.

Residential Underground

The trend toward improvement in neighborhood appearances, and the elimination of storm outages, tree trimming, etc. has created the need for residential underground distribution. To meet these needs, BURNDY offers: Mechanical type pre-insulated multi-conductor terminal connectors for submersible transformer locations; and compact multiconductor connectors for above ground transformer and enclosures. For service taps, BURNDY offers: Pre-insulated multi-conductor compression and mechanical connectors; and a range taking compression connector for below grade service. Power pedestals for direct burial, above ground application, and conduit systems are offered. Residential Underground Fuse Block assembly with replaceable fuse for each service cable is also available.



Multiple Outlet Connectors



Connectors for Aluminum

For systems where aluminum is used, connectors especially designed for aluminum conductors are available in bolted and compression types: HYCRAB™, HYPLUG™, HYREDUCER™, and HYSOCKET. Aluminum conductors can be connected to standard MOLE™ connectors by using HYPLUG™ YE-R type adapters in catalog section H. Contact customer service for specific recommendations to connect aluminum conductor to MOLE™ and HYCRAB™ multiple outlet connectors.

Multiple Outlet Connectors

The increasing use in modern electrical distribution systems of junction points where several relatively large cables must be connected, has brought about the development of BURNDY® MOLE™ line equipment to speed up and simplify the making of such connections. The modern tendency toward network systems not only in underground utility practice but also in industrial wiring, has greatly increased the number of multi-connection joints.

The BURNDY® MOLE™ and HYCRAB™ connectors are insulated bus bars with multiple connector outlets for service cables, secondary mains or equipment leads. In the MOLE™, clamping action secures conductors to the connector; in the HYCRAB™, connections are made by indenting with a compression tool. Both lines of insulated connectors offer the following basic advantages:

1. **Ease of Economy and Installations:** The ease and reduction of time required to make and insulate dependable multi-connections greatly reduces the cost of installation. The compact design makes maximum use of space and provides for simplified racking.

2. **Versatility for System Modification:** The MOLE™ and HYCRAB™ are designed to accommodate the secondary main and service cables, and permit easy modification or later additions. The numerous available connector configurations permit a wide variety of arrangements of cables and equipment connections. The 600 volt rating of the MOLE™ and HYCRAB™ insulation provides for efficient operation at all standard utilization voltages.
3. **Efficient, Dependable Performance:** The MOLE™ and HYCRAB™ connectors assure permanent, high conductivity connections, good moisture seal, and insulation that resists the severest condition encountered in underground installations.

MOLE™ and HYCRAB™ Insulation

The location in vaults and manholes often exposes these connectors to immersion in water, chemical, and other contaminants, as well as to heat from overload or fault currents. The MOLE™ and HYCRAB™ insulations provide electrical, mechanical, and thermal properties essential to assure the service continuity of underground distribution systems.

Recognizing the importance of proper connection insulation, BURNDY established performance specifications exceeding those of 600 volt cable insulation.

Multiple Outlet Connectors (Continued)

The MOLE™ and MOLE™ Accessories

The BURNDY® MOLE™ is a multi-cable connectors that consists of a pre-insulated copper bus bar with threaded outlets that permit a minimum of two cables to be connected by means of a socket, nut, and cone assembly (Illustration A). The clamping action of the socket, nut, and cone assembly on the cable develops high contact pressures that maintain joint conductivities greater than 100% of the continuous conductor.

The MOLE™ design affords exceptional versatility in four ways:

1. MOLE™ outlets can be plugged-off until needed for the addition of cables.
2. Installed cables can be easily removed.
3. Cable sizes can be increased by changing the socket, nut, and cone assembly.
4. The number of outlets may be increased by joining MOLE™ connectors with a MOLE™ coupler.

Insulation

The copper bus bar insert is encased in a molded insulating jacket that eliminates copper crotch taping. The thickness of the jacket prevents any possibility of the insert weight to cause the insulation at the supports to flow away at the high temperatures of fault conditions.

Ratings

MOLE™ connectors are rated at 1500, 2000, 2500, and 3000 amperes, based on the maximum current the insert cross-section can carry. Each outlet can carry the full rated current of the cable connected to it.

To avoid exceeding the insert rating, the cables should be arranged in such a manner that most current flows directly across the insert. (See Illustration B.)



Illustration A

Installation

Cables are connected to the MOLE™ by means of a socket, nut and compression cone assembly. The socket is threaded into the MOLE™ insert. The stripped cable end is inserted into nut and compression cone, and then into the socket where it is securely clamped by tightening the nut. The joint is then sealed watertight in one of three ways:

- Taping;
- MOLE™ Outlet Insulating Sleeves, sealed with a minimum of taping;

Tests under flooding and other adverse conditions demonstrate that such joints are impervious to water.

Accessories

A socket, cone and nut assembly is screwed into each MOLE™ outlet to which a cable is to be connected. The socket has a tapered recess into which the clamping nut forces the cable into the compression cone. The cone is slotted to controlled widths and depths for maximum flexibility, and its inside surface is serrated for low contact resistance and high pullout strength.

Plug seal MOLE™ outlets not in use. The MOLE™ is delivered with one-fourth of its outlets sealed with plugs. Additional plugs may be ordered.

MOLE™ couplers facilitate system expansion by joining additional MOLE™ connectors to those already installed. Couplers are easily installed in end or side outlets of the MOLE™, and make connections that are effective both electrically and mechanically.

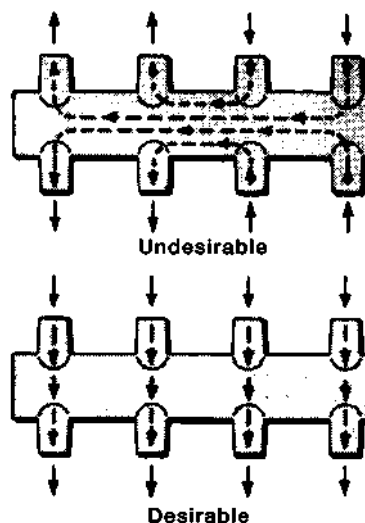
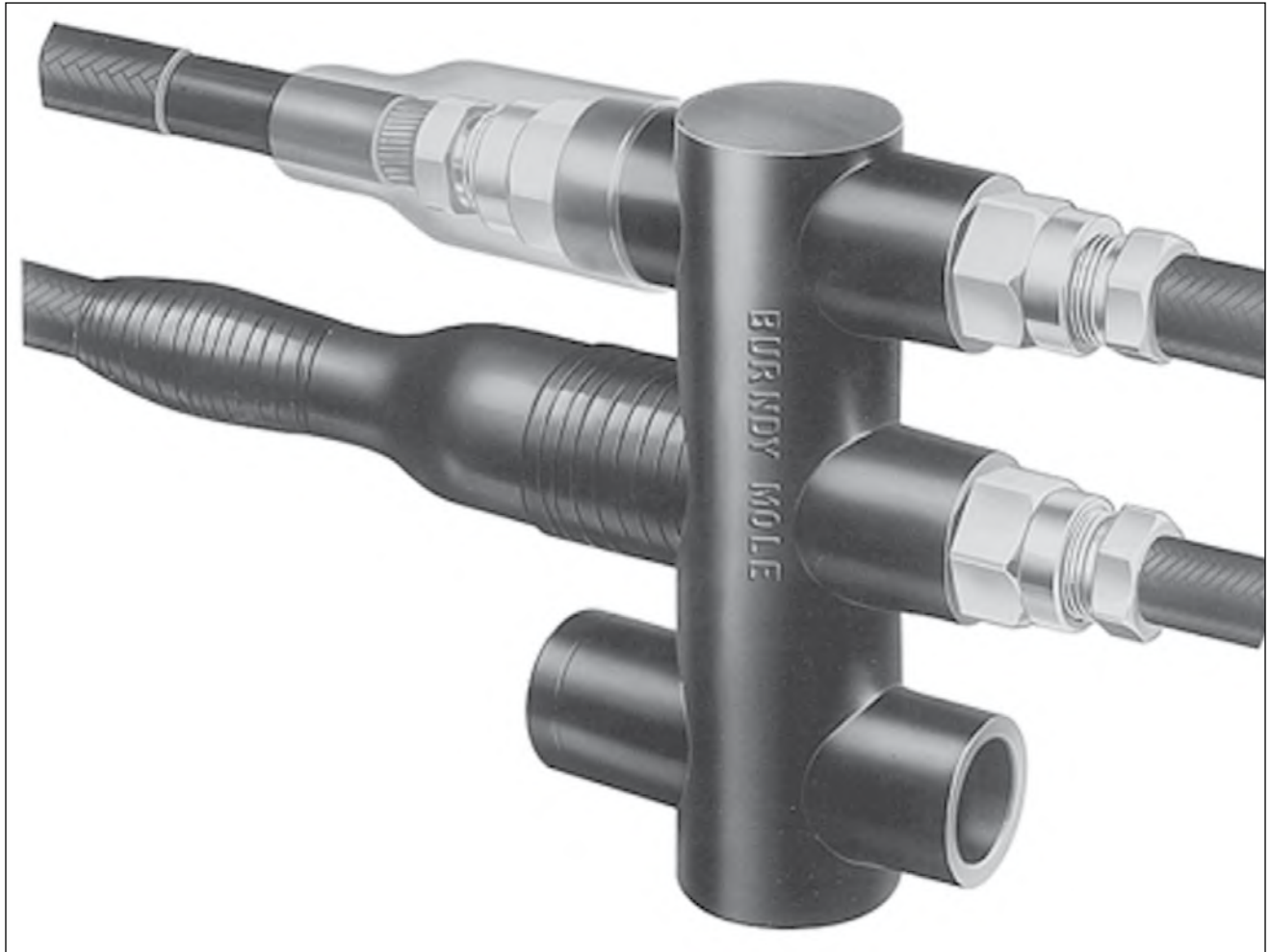


Illustration B

Multiple Outlet Connectors (Continued)



MOLE™ Connector Selection Considerations

Conductor Type:

- Copper Stranded - Adapts directly to MOLE™ using Z-NR type socket nut and Z MOLE™ compression cone
- Aluminum Stranded - Use type YE-R HYPLUG™ to adapt to Z-NR style socket nut and Z MOLE™ compression cone (contact customer service for recommendations)

Amperes:

- Ratings are for maximum current at any point along the cross section of the connector bus
- Each outlet is rated for the full current capability of the attached conductor or coupler
- This catalog shows 1500, 2500, and 3000A variations; contact customer service for other ampacity ratings

MOLE™ Bus Configuration:

- Selection based on desired conductor routing
- Determine if multiple MOLE™ connectors will be joined; End connection points (1) / (X) in ZMT, ZML, ZMX, and ZMK style configurations are often used for this purpose
- See descriptions in the ordering matrix and illustrations
- Contact customer service for ordering tables for configurations not included in this catalog

Number of Outlets:

- 2 to 18 outlets are available on a single MOLE™ depending on bus configuration
- Connect multiple MOLE™ bus together if a greater number of outlets is required

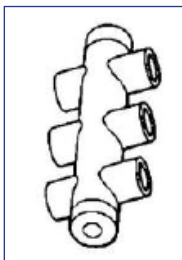
Connection Point Configuration:

- See "Connection Point Options" table to determine the size required

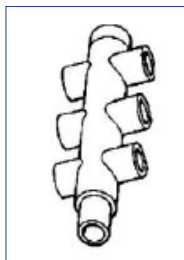
End connection point (1) / (X) size can be made different from those on the bus side(s) (2 - n) by changing the part number suffix.

Contact customer service for options to have different size connection points on the side(s) of the MOLE™ bus.

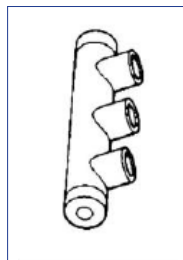
Bus Configuration Illustrations



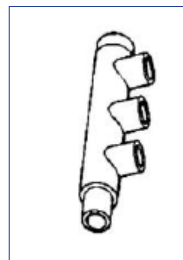
ZM



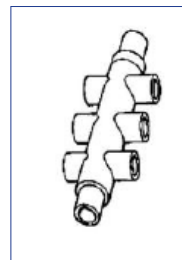
ZMT



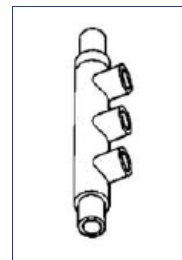
ZME



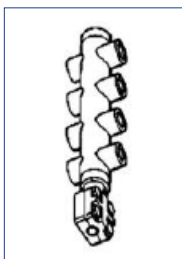
ZML



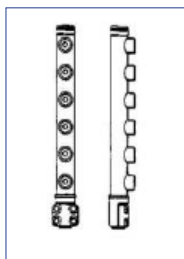
ZMX



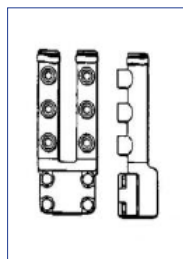
ZMK



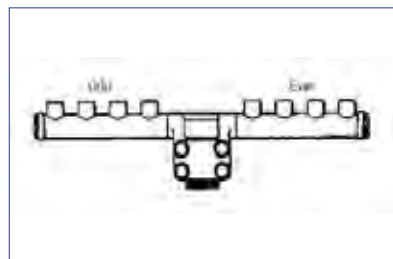
ZMTDN



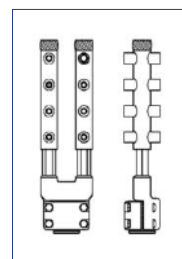
ZMLDN



Z2MLDN



ZMDN



Z2MTDN

Ordering Matrix

Catalog Number Example: ZMT725A7			
ZMT	7	25	A7
Bus Configuration	Total Qty Connection Points	Amperage Rating	Connection Point Configuration

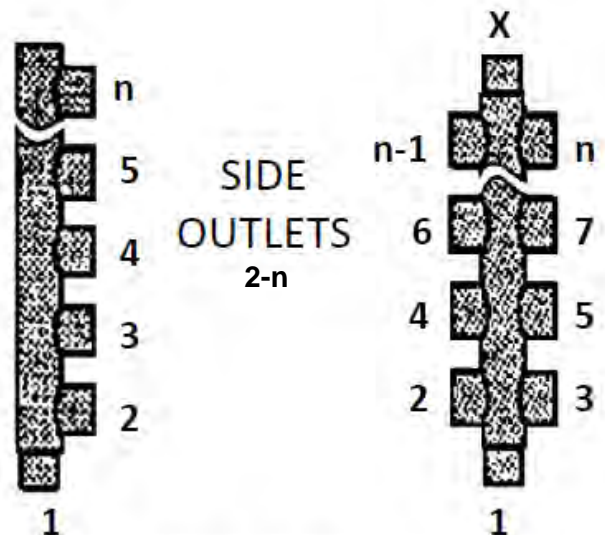
Bus Configuration (See Illustrations)	
Value	Description
ZM	Both Sides
ZMT	Both Sides + 1 End
ZMX	Both Sides + 2 Ends
ZME	One Side
ZML	One Side + 1 End
ZMK	One Side + 2 Ends
ZMDN	Horizontal Stud MOLE™
ZMLDN	One Side Vertical Stud MOLE™, 1 Tree
Z2MLDN	One Side Vertical Stud MOLE™, 2 Trees
ZMTDN	Both Sides Vertical Stud MOLE™, 1 Tree
Z2MTDN	Both Sides Vertical Stud MOLE™, 2 Trees

Ampere Rating	
Value	Amp Rating
15	1500
20	2000
25	2500
30	3000

Connection Point Configuration			
Value	Bus Config	Primary Size	End Size
None	All	A	A
B		B	B
C		C	C
A3	ZMT or ZML	A	B
A9		A	C
B12		B	A
B92	ZMX or ZMK	B	C
A4		A	B
A7		A	C
B72	B	C	

Connection Point Options			
Socket Size	Compact Stranding	Concentric / Compressed	MOLE™ to MOLE™ Coupler
A	#2 - 600 kcmil	#6 - 600 kcmil	ZMS29 (1200A)
B	2/0 - 750 kcmil	250 - 1000 kcmil	ZMS34 (1600A)
C	Contact Customer Service	1250 - 2000 kcmil	ZMS40 (2000A)

OUTLET HOLE NUMBERING



END OUTLETS
1 and X

MOLE™ Type ZM

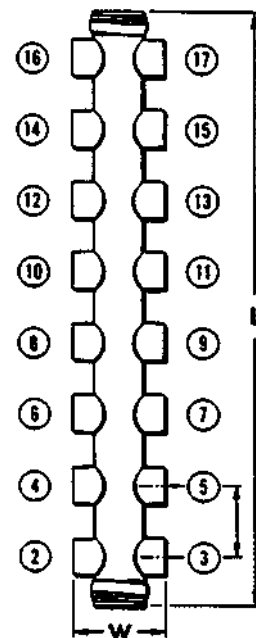
MOLE™ Type ZM — A compact pre-insulated junction for secondary network cables, with multiple outlets for each cable clamping elements.

Outlet Plugs — MOLE™ outlet plugs that facilitate sealing outlets not being used are available. Type Z-P and Type K-P, sold separately.

Insulating Sleeves — Taping operations for watertight joints are greatly simplified by the use of BURNDY® Type CM or MOLE™ Insulating Sleeves Type Z-C, sold separately.

Clamping Elements — Outlet Symbols A or B, refer to socket and nut Type Z-NR, and Cone Type Z cable clamping elements accommodated. These must be ordered separately.

OUTLET RANGE: "A" 6 Str. - 600 kcmil
"B" 2 Str. - 1000 kcmil

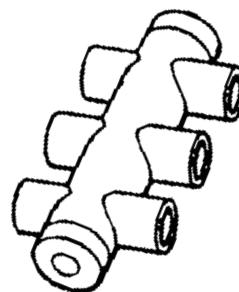


MOLE™ DIMENSIONS

"W" Dimension: 4-1/8"
Center-to-Center
distance between
outlets: 3"

Catalog Number	Ampere Capacity	Cable Outlet Arrangement	Qty of Outlets	Length "L" Inches
ZM415	1500	All Outlets A	4	7.1
ZM615			6	10.1
ZM815			8	13.1
ZM1015			10	16.1
ZM1215			12	19.1
ZM1415			14	22.1
ZM1615			16	25.1
ZM425	2500	All Outlets A	4	8.0
ZM625			6	11.5
ZM825			8	15.0
ZM1025			10	18.5
ZM1225			12	22.0
ZM1425			14	25.5
ZM1625			16	29.0
ZM430	3000	All Outlets A	4	6.9
ZM630			6	10.3
ZM830			8	13.7
ZM1030			10	17.1
ZM1230			12	20.4
ZM1430			14	23.8
ZM1630			16	27.2

Catalog Number	Ampere Capacity	Cable Outlet Arrangement	Qty of Outlets	Length "L" Inches
ZM425B	2500	All Outlets B	4	8.0
ZM625B			6	11.5
ZM825B			8	15.0
ZM1025B			10	18.5
ZM1225B			12	22.0
ZM1425B			14	25.5
ZM1625B			16	29.0
ZM430B	3000	All Outlets B	4	6.9
ZM630B			6	10.3
ZM830B			8	13.7
ZM1030B			10	17.1
ZM1230B			12	20.4
ZM1430B			14	23.8
ZM1630B			16	27.2



Contact Customer Service for Additional Outlet Configurations

MOLE™ Type ZMT

MOLE™ Type ZMT — A compact pre-insulated junction for secondary network cables, with multiple outlets for cable clamping elements. Future expansion is provided for by an end outlet which can be joined to an additional MOLE™ by Type ZMS couplers.

Outlet Plugs — MOLE™ outlet plugs that facilitate sealing outlets not being used are available. Type Z-P and Type K-P, sold separately.

Insulating Sleeves — Taping operations for watertight joints are greatly simplified by the use of BURNDY® Type CM or MOLE™ Insulating Sleeves Type Z-C, sold separately.

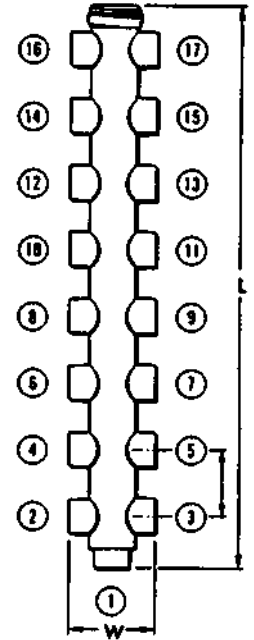
Clamping Elements — Outlet Symbols A or B, refer to socket and nut Type Z-NR, and Cone Type Z cable clamping elements accommodated. These must be ordered separately.

OUTLET RANGE: "A" 6 Str. - 600 kcmil
"B" 2 Str. - 1000 kcmil

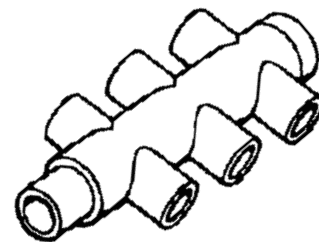
Catalog Number	Ampere Capacity	End ① *	Other	Qty of Outlets	Length "L" Inches
ZMT315	1500	A	A	3	5
ZMT515				5	8
ZMT715				7	11
ZMT915				9	14
ZMT1115				11	19
ZMT1315				13	20
ZMT1515				15	23
ZMT1715				17	26
ZMT325	2500	A	A	3	5.5
ZMT525				5	9
ZMT725				7	12.5
ZMT925				9	16
ZMT1125				11	19.5
ZMT1325				13	23
ZMT1525				15	26.5
ZMT1725				17	30
ZMT330	3000	A	A	3	5.5
ZMT530				5	9
ZMT730				7	12.5
ZMT930				9	16
ZMT1130				11	19.5
ZMT1330				13	23
ZMT1530				15	26.5
ZMT1730				17	30

MOLE™ DIMENSIONS

"W" Dimension: 4-1/2"
Center-to-Center distance between outlets: 3-1/2"



Catalog Number	Ampere Capacity	End ① *	Other	Qty of Outlets	Length "L" Inches
ZMT325B	2500	B	B	3	5.5
ZMT525B				5	9
ZMT725B				7	12.5
ZMT925B				9	16
ZMT1125B				11	19.5
ZMT1325B				13	23
ZMT1525B				15	26.5
ZMT1725B				17	30
ZMT330B	3000	B	B	3	5.5
ZMT530B				5	9
ZMT730B				7	12.5
ZMT930B				9	16
ZMT1130B				11	19.5
ZMT1330B				13	23
ZMT1530B				15	26.5
ZMT1730B				17	30



*Add Suffix "A3" to Change End Outlet ① to Size B
*Add Suffix "A9" to Change End Outlet ① to Size C
Contact Customer Service for Additional Outlet Configurations.

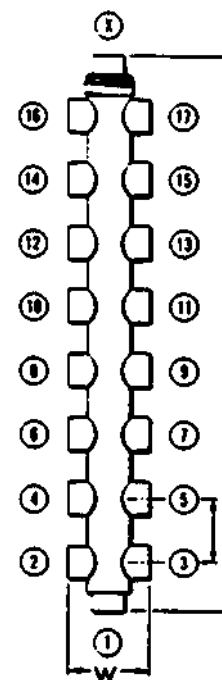
MOLE™ Type ZMX

MOLE™ Type ZMX — A compact pre-insulated junction for secondary network cables, with multiple outlets for cable clamping elements. Future expansion is provided for by an end outlet which can be joined to an additional MOLE™ by Type ZMS couplers.

Outlet Plugs — MOLE™ outlet plugs that facilitate sealing outlets not being used are available. Type Z-P and Type K-P, sold separately.

Insulating Sleeves — Taping operations for watertight joints are greatly simplified by the use of BURNDY® Type CM or MOLE™ Insulating Sleeves Type Z-C, sold separately.

Clamping Elements — Outlet Symbols A or B, refer to socket and nut Type Z-NR, and Cone Type Z cable clamping elements accommodated. These must be ordered separately.



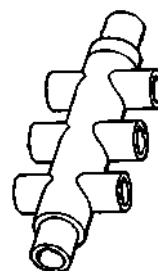
MOLE™ DIMENSIONS

“W” Dimension: 4-1/2”
Center-to-Center distance between outlets: 3-1/2”

OUTLET RANGE: “A” 6 Str. - 600 kcmil
“B” 2 Str. - 1000 kcmil

Catalog Number	Ampere Capacity	End ⓐ + (X)*	Other	Qty of Outlets	Length “L” Inches
ZMX415	1500	A	A	4	6
ZMX615				6	9
ZMX815				8	12
ZMX1015				10	15
ZMX1215				12	18
ZMX1415				14	21
ZMX1615				16	24
ZMX1815				18	27
ZMX425	2500	A	A	4	6.5
ZMX625				6	10
ZMX825				8	13.5
ZMX1025				10	17
ZMX1225				12	20.5
ZMX1425				14	24
ZMX1625				16	27.5
ZMX1825				18	31
ZMX430	3000	A	A	4	6.5
ZMX630				6	10.1
ZMX830				8	13.5
ZMX1030				10	16.9
ZMX1230				12	20.3
ZMX1430				14	23.6
ZMX1630				16	27
ZMX1830				18	30.4

Catalog Number	Ampere Capacity	End ⓐ + (X)*	Other	Qty of Outlets	Length “L” Inches
ZMX425B	2500	B	B	4	6.5
ZMX625B				6	10
ZMX825B				8	13.5
ZMX1025B				10	17
ZMX1225B				12	20.5
ZMX1425B				14	24
ZMX1625B				16	27.5
ZMX1825B				18	31
ZMX430B	3000	B	B	4	6.5
ZMX630B				6	10.1
ZMX830B				8	13.5
ZMX1030B				10	16.9
ZMX1230B				12	20.3
ZMX1430B				14	23.6
ZMX1630B				16	27
ZMX1830B				18	30.4



*Add Suffix “A4” to Change End Outlet ⓐ to Size B
*Add Suffix “A7” to Change End Outlet ⓐ to Size C
Contact Customer Service for Additional Outlet Configurations.

MOLE™ Stud Connector Type ZMLDN
For Connecting Copper Cables to Network Protector

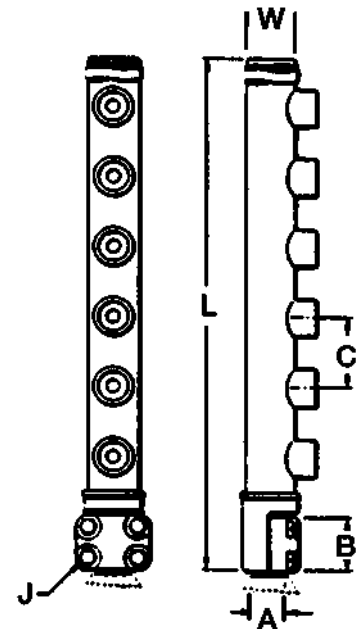
To terminate one or more cables at the studs of distribution transformers, network protectors, or other apparatus. The body, except for the clamping element, is completed insulated. A separate clamping cap over the stud is provided that permits easy removal of the MOLE™ Stud Connector. This permits work to be done on the Network Protector without unduly disturbing the cables.

Outlet Plugs — MOLE™ outlet plugs that facilitate sealing outlets not being used are available. Type Z-P and Type K-P, sold separately.

Insulating Sleeves — Taping operations for watertight joints are greatly simplified by the use of BURNDY® Type CM or MOLE™ Insulating Sleeves Type Z-C, sold separately.

Clamping Elements — Outlet Symbols A or B, refer to socket and nut Type Z-NR, and Cone Type Z cable clamping elements accommodated. These must be ordered separately.

OUTLET RANGE: "A" 6 Str. - 600 kcmil
"B" 2 Str. - 1000 kcmil

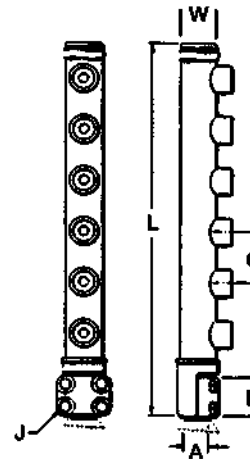


Catalog Number	Ampere Capacity	Cable Outlet Arrangement	* No. of Outlets	A		Dimensions in Inches					
				Stud Dia.	Threads per Inch	B	C	J	L	W	
ZMLDN115	1500	All Outlets A	1	1-1/2	12	2.69	—	1/2	8.56	1.94	
ZMLDN215			2	1-1/2	12	2.69	3	1/2	11.56	1.94	
ZMLDN315			3	1-1/2	12	2.69	3	1/2	14.56	1.94	
ZMLDN415			4	1-1/2	12	2.69	3	1/2	17.56	1.94	
ZMLDN515			5	1-1/2	12	2.69	3	1/2	20.56	1.94	
ZMLDN615			6	1-1/2	12	2.69	3	1/2	23.56	1.94	
ZMLDN120	2000		All Outlets A	1	1-1/2	12	2.69	—	1/2	9.06	2.38
ZMLDN220				2	1-1/2	12	2.69	3-1/2	1/2	12.56	2.38
ZMLDN320				3	1-1/2	12	2.69	3-1/2	1/2	16.06	2.38
ZMLDN420				4	1-1/2	12	2.69	3-1/2	1/2	19.56	2.38
ZMLDN520				5	1-1/2	12	2.69	3-1/2	1/2	23.06	2.38
ZMLDN620				6	1-1/2	12	2.69	3-1/2	1/2	26.56	2.38
ZMLDN120B		All Outlets B		1	1-1/2	12	2.69	—	1/2	7-7/8	2.38
ZMLDN220B				2	1-1/2	12	2.69	3-1/2	1/2	11-3/8	2.38
ZMLDN320B				3	1-1/2	12	2.69	3-1/2	1/2	14-7/8	2.38
ZMLDN420B				4	1-1/2	12	2.69	3-1/2	1/2	18-3/8	2.38
ZMLDN520B				5	1-1/2	12	2.69	3-1/2	1/2	21-7/8	2.38
ZMLDN620B				6	1-1/2	12	2.69	3-1/2	1/2	25-3/8	2.38

* Can be furnished with more than 6 outlets.

MOLE™ Stud Connector Type ZMLDN (Continued)

OUTLET RANGE: "A" 6 Str. - 600 kcmil
"B" 2 Str. - 1000 kcmil



Catalog Number	Ampere Capacity	Cable Outlet Arrangement	* No. of Outlets	A		Dimensions in Inches				
				Stud Dia.	Threads per Inch	B	C	J	L	W
ZMLDN125	2500	All Outlets A	1	3	12	3-1/4	—	5/8	8-27/32	3-7/16
ZMLDN225			2	3	12	3-1/4	3-1/2	5/8	12-11/32	3-7/16
ZMLDN325			3	3	12	3-1/4	3-1/2	5/8	15-27/32	3-7/16
ZMLDN425			4	3	12	3-1/4	3-1/2	5/8	19-11/32	3-7/16
ZMLDN525			5	3	12	3-1/4	3-1/2	5/8	22-27/32	3-7/16
ZMLDN625			6	3	12	3-1/4	3-1/2	5/8	26-11/32	3-7/16
ZMLDN125B		All Outlets B	1	3	12	3-1/4	—	5/8	8-27/32	3-7/16
ZMLDN225B			2	3	12	3-1/4	3-1/2	5/8	12-11/32	3-7/16
ZMLDN325B			3	3	12	3-1/4	3-1/2	5/8	15-27/32	3-7/16
ZMLDN425B			4	3	12	3-1/4	3-1/2	5/8	19-11/32	3-7/16
ZMLDN525B			5	3	12	3-1/4	3-1/2	5/8	22-27/32	3-7/16
ZMLDN625B			6	3	12	3-1/4	3-1/2	5/8	26-11/32	3-7/16
ZMLDN130	3000	All Outlets A	1	3	12	3-1/4	—	5/8	7-5/8	4
ZMLDN230			2	3	12	3-1/4	3-3/8	5/8	11-1/4	4
ZMLDN330			3	3	12	3-1/4	3-3/8	5/8	14-5/8	4
ZMLDN430			4	3	12	3-1/4	3-3/8	5/8	18	4
ZMLDN530			5	3	12	3-1/4	3-3/8	5/8	21-3/8	4
ZMLDN630			6	3	12	3-1/4	3-3/8	5/8	24-3/4	4
ZMLDN130B		All Outlets B	1	3	12	3-1/4	—	5/8	7-5/8	4
ZMLDN230B			2	3	12	3-1/4	3-3/8	5/8	11-1/4	4
ZMLDN330B			3	3	12	3-1/4	3-3/8	5/8	14-5/8	4
ZMLDN430B			4	3	12	3-1/4	3-3/8	5/8	18	4
ZMLDN530B			5	3	12	3-1/4	3-3/8	5/8	21-3/8	4
ZMLDN630B			6	3	12	3-1/4	3-3/8	5/8	24-3/4	4

* Can be furnished with more than 6 outlets. For outlet combinations not listed call customer service.

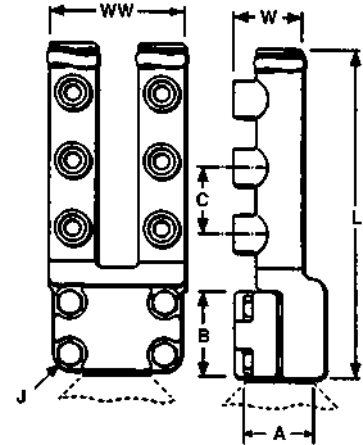
MOLE™ Stud Connector Type Z2MLDN
For Connecting Copper Cables to Network Protector

To terminate two or more cables at the studs of distribution transformers, network protectors, or other apparatus. The body, except for the clamping element, is completed insulated. A separate clamping cap over the stud is provided that permits easy removal of the MOLE™ Stud Connector. This permits work to be done on the Network Protector without unduly disturbing the cables.

Outlet Plugs — MOLE™ outlet plugs that facilitate sealing outlets not being used are available. Type Z-P and Type K-P, sold separately.

Insulating Sleeves — Taping operations for watertight joints are greatly simplified by the use of BURNDY® Type CM or MOLE™ Insulating Sleeves Type Z-C, sold separately.

Clamping Elements — Outlet Symbols A or B, refer to socket and nut Type Z-NR, and Cone Type Z cable clamping elements accommodated. These must be ordered separately.



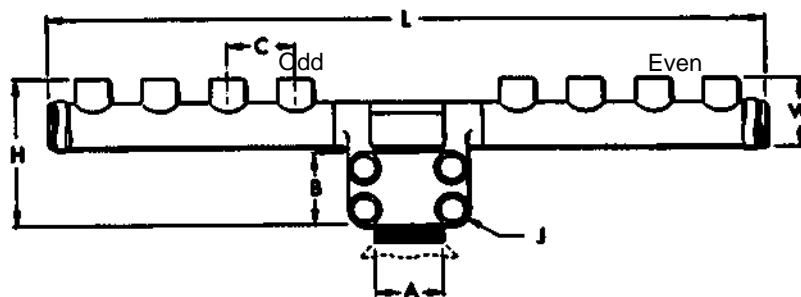
OUTLET RANGE: **"A" 6 Str. - 600 kcmil**
 "B" 2 Str. - 1000 kcmil

Catalog Number	Ampere Capacity	Cable Outlet Arrangement	*No. of Outlets	A		Dimensions in Inches					
				Stud Dia.	Threads per Inch	B	C	J	L	W	WW
Z2MLDN20	2000 & Smaller	All Outlets A	2	1-1/2	12	2-11/16	—	1/2	8	3	5-3/16
Z2MLDN40			4	1-1/2	12	2-11/16	3	1/2	11	3	5-3/16
Z2MLDN620			6	1-1/2	12	2-11/16	3	1/2	14	3	5-3/16
Z2MLDN230	2500 & 3000	All Outlets A	2	3	12	3-1/4	—	5/8	9	3	6-1/2
Z2MLDN430			4	3	12	3-1/4	3	5/8	12	3	6-1/2
Z2MLDN630			6	3	12	3-1/4	3	5/8	15	3	6-1/2
Z2MLDN230B		All Outlets B	2	3	12	3-1/4	—	5/8	9	3-1/2	6-1/2
Z2MLDN430B			4	3	12	3-1/4	3-1/2	5/8	12-1/2	3-1/2	6-1/2
Z2MLDN630B			6	3	12	3-1/4	3-1/2	5/8	16	3-1/2	6-1/2

*Can be furnished with more than 6 outlets. For outlet combinations not listed call customer service.

MOLE™ Stud Connector Type ZMDN For Connecting Copper Cables to Network Protector

To terminate one or more cables at the studs of distribution transformers, network protectors, or other apparatus. The body, except for the clamping element, is completed insulated. A separate clamping cap over the stud is provided that permits easy removal of the MOLE™ Stud Connector. This permits work to be done on the Network Protector without unduly disturbing the cables.



Outlet Plugs — MOLE™ outlet plugs that facilitate sealing outlets not being used are available. Type Z-P and Type K-P, sold separately.

Insulating Sleeves — Taping operations for watertight joints are greatly simplified by the use of BURNDY® Type CM or MOLE™ Insulating Sleeves Type Z-C, sold separately.

Clamping Elements — Outlet Symbols A or B, refer to socket and nut Type Z-NR, and Cone Type Z cable clamping elements accommodated. These must be ordered separately.

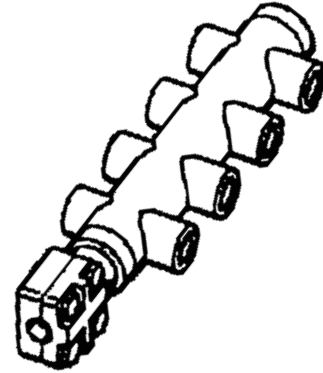
OUTLET RANGE: **"A" 6 Str. - 600 kcmil**
 "B" 2 Str. - 1000 kcmil

Catalog Number	Ampere Capacity	Cable Outlet Arrangement	*No. of Outlets	A		Dimensions in Inches					
				Stud Dia.	Threads per Inch	B	C	J	H	L	W
ZMDN320	2000 & Smaller	All Outlets A	3	1-1/2	12	2-11/16	3-1/2	1/2	8-1/16	11-1/2	3-7/16
ZMDN420			4	1-1/2	12	2-11/16	3-1/2	1/2	8-1/16	15	3-7/16
ZMDN520			5	1-1/2	12	2-11/16	3-1/2	1/2	8-1/16	18-1/2	3-7/16
ZMDN620			6	1-1/2	12	2-11/16	3-1/2	1/2	8-1/16	22	3-7/16
ZMDN320B		All Outlets B	3	1-1/2	12	2-11/16	3-1/2	1/2	8-1/16	11-1/2	3-7/16
ZMDN420B			4	1-1/2	12	2-11/16	3-1/2	1/2	8-1/16	15	3-7/16
ZMDN520B			5	1-1/2	12	2-11/16	3-1/2	1/2	8-1/16	18-1/2	3-7/16
ZMDN620B			6	1-1/2	12	2-11/16	3-1/2	1/2	8-1/16	22	3-7/16
ZMDN325	2000 Through 2500	All Outlets A	3	3	12	3-1/4	3-1/2	5/8	8-5/8	11-1/2	3-7/16
ZMDN425			4	3	12	3-1/4	3-1/2	5/8	8-5/8	15	3-7/16
ZMDN525			5	3	12	3-1/4	3-1/2	5/8	8-5/8	18-1/2	3-7/16
ZMDN625			6	3	12	3-1/4	3-1/2	5/8	8-5/8	22	3-7/16

*Can be furnished with more than 6 outlets. For outlet combinations not listed call customer service.
For connectors with an odd number of outlets the odd and even split of outlets will be as indicated in the diagram.

MOLE™ Stud Connector Type ZMTDN For Connecting Copper Cables to Network Protector

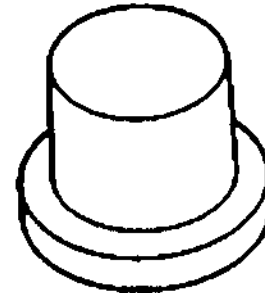
To terminate two or more cables at the studs of distribution transformers, network protectors, or other apparatus. The body, except for the clamping element, is completed insulated. A separate clamping cap over the stud is provided that permits easy removal of the MOLE™ Stud Connector. This permits work to be done on the Network Protector without unduly disturbing the cables.



Catalog Number	Ampere Capacity	Number of Outlets	Cable Outlet Arrangement	Stud Dia. (12 threads/inch)
ZMTDN815	1500	8	A	1.50"
ZMTDN1015	1500	10	A	1.50"
ZMTDN820	2000-2500	8	A	1.50"
ZMTDN1025	2000-2500	10	A	3.00"

MOLE™ Outlet Plugs, Type Z-P For MOLE™ Outlets not in use

These outlet plugs facilitate sealing MOLE™ outlets not currently being used.

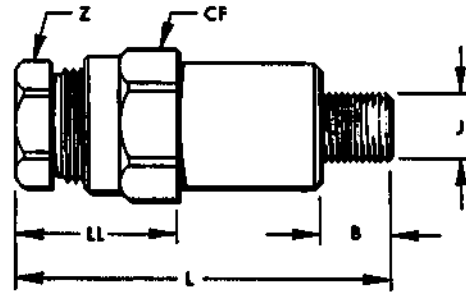


Catalog Number	Used On Outlet Size
Z29P	A
Z34P	B
Z40P	C

Socket and Nut Assembly Type Z-NR

For Use with MOLE™

Designed for use with the BURNDY® MOLE™ connectors. With the use of the proper compression cones, 14 sizes take a range of cables from #6 to 1000 kcmil. The compact design helps in easy, effective taping. Insulating sleeves are available to keep taping to a minimum.



OUTLET RANGE: “A” 6 Str. - 600 kcmil
 “B” 2 Str. - 1000 kcmil

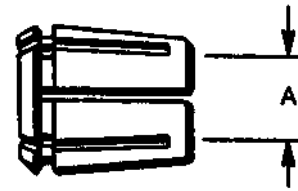
Catalog Number	To be Used in MOLE™ Outlet Size	Maximum Cable Accommodated by Socket	Stud Size J	Dimensions in Inches				
				B	CF (Cross Flats)	L	LL	Z (Cross Flats)
Z28NR	A	4/0 Str.	5/8-18	17/32	1-1/8	3-7/16	1-1/2	7/8
Z29NR		250 kcmil	5/8-18	17/32	1-3/16	3-9/16	1-5/8	15/16
Z30NR		300 kcmil	5/8-18	17/32	1-1/4	3-5/8	1-11/16	1
Z32NR		400 kcmil	5/8-18	17/32	1-3/8	3-5/8	1-11/16	1-1/8
Z34NR		500 kcmil	5/8-18	17/32	1-1/2	3-11/16	1-3/4	1-1/4
Z36NR		600 kcmil	5/8-18	17/32	1-1/2	3-13/16	1-7/8	1-5/16
Z40NRA ①	B	800 kcmil	5/8-18	17/32	1-13/16	5-17/32	2-1/4	1-1/2
Z34NRB ②		500 kcmil	7/8-14	11/16	1-1/2	3-11/16	1-3/4	1-1/4
Z40NR		800 kcmil	7/8-14	11/16	1-13/16	4-3/8	2-1/4	1-1/2
Z44NR		1000 kcmil	7/8-14	11/16	1-15/16	6-1/16	2-7/16	1-5/8
Z46NR	C	1500 kcmil	1-1/8-12	13/16	2-1/8	6-7/8	2-13/16	2-1/4
Z47NR		1750 kcmil	1-1/8-12	13/16	2-1/4	7-3/16	2-7/8	2-3/8

① Uses Insulating Sleeve Z104C4434

② Uses Insulating Sleeve Z88C3429

MOLE™ Compression Cone Type Z
For Concentric and Compressed Conductor

For use with Socket and Nut Assembly, the Z Cone is machined to close tolerances to provide maximum secureness in gripping a wide range of cable sizes. Annular grooves in the inner barrel of the cone serve to further accomplish this result.

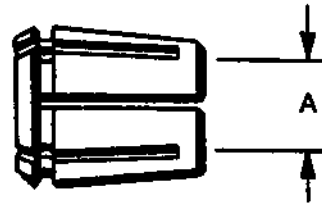


Catalog Number	Cable Size	For Use with Socket & Nut Assembly	A
			Inches
Z6C28	#6 Str.	Z28NR	0.18 in
Z4C28	#4 Str.		0.23 in
Z2C28	#2 Str.		0.29 in
Z2528	1/0 Str.		0.37 in
Z2728	3/0 Str.		0.47 in
Z2828	4/0 Str.		0.53 in
Z6C29	#6 Str.		Z29NR	0.18 in
Z4C29	#4 Str.	0.23 in	
Z2C29	#2 Str.	0.29 in	
Z1C29	#1 Str.	0.33 in	
Z2529	1/0 Str.	0.37 in	
Z2629	2/0 Str.	0.42 in	
Z2829	4/0 Str.	0.53 in	
Z2929	250 kcmil	0.58 in	
Z6C30	#5 Str.	Z30NR		0.18 in
Z4C30	#4 Str.		0.23 in
Z2C30	#2 Str.		0.29 in
Z1C30	#1 Str.		0.33 in
Z2530	1/0 Str.		0.37 in
Z2630	2/0 Str.		0.42 in
Z2730	3/0 Str.		0.47 in
Z2830	4/0 Str.		0.53 in
Z2930	250 kcmil		0.58 in
Z3030	300 kcmil		0.63 in
Z2C32	#2 Str.	Z32NR	0.29 in
Z1C32	#1 Str.		0.33 in
Z2532	1/0 Str.		0.37 in
Z2632	2/0 Str.		0.42 in
Z2732	3/0 Str.		0.47 in
Z2832	4/0 Str.		0.53 in
Z2932	250 kcmil		0.58 in
Z3032	300 kcmil		0.63 in
Z3132	350 kcmil		0.68 in
Z3232	400 kcmil		0.73 in
Z2C34	#2 Str.	Z34NR & Z34NRB	0.29 in
Z1C34	#1 Str.		0.33 in
Z2534	1/0 Str.		0.37 in
Z2634	2/0 Str.		0.42 in
Z2734	3/0 Str.		0.47 in

Catalog Number	Cable Size	For Use with Socket & Nut Assembly	A
			Inches
Z2834	4/0 Str.	Z34NR & Z34NRB	0.53 in
Z2934	250 kcmil		0.58 in
Z3034	300 kcmil		0.63 in
Z3134	350 kcmil		0.69 in
Z3234	400 kcmil		0.73 in
Z3334	450 kcmil		0.76 in
Z3434	500 kcmil		0.81 in
Z2936	250 kcmil	Z36NR	0.58 in
Z3036	300 kcmil		0.63 in
Z3136	350 kcmil		0.69 in
Z3236	400 kcmil		0.73 in
Z3336	450 kcmil		0.76 in
Z3436	500 kcmil		0.81 in
Z3536	550 kcmil		0.86 in
Z3636	600 kcmil		0.89 in
Z2940	250 kcmil	Z40NR & Z40NRA	0.58 in
Z3040	300 kcmil		0.63 in
Z3140	350 kcmil		0.69 in
Z3240	400 kcmil		0.73 in
Z3340	450 kcmil		0.76 in
Z3440	500 kcmil		0.81 in
Z3540	550 kcmil		0.86 in
Z3640	600 kcmil		0.89 in
Z3740	650 kcmil		0.92 in
Z3840	700 kcmil		0.97 in
Z3940	750 kcmil	1.00 in	
Z4040	800 kcmil	1.03 in	
Z3444	500 kcmil	Z44NR	0.81 in
Z3544	550 kcmil		0.86 in
Z3644	600 kcmil		0.89 in
Z3744	650 kcmil		0.92 in
Z3844	700 kcmil		0.97 in
Z3944	750 kcmil		1.00 in
Z4044	800 kcmil		1.03 in
Z4144	850 kcmil		1.06 in
Z4244	900 kcmil		1.09 in
Z4344	950 kcmil		1.12 in
Z4444	1000 kcmil	1.15 in	
Z4646	1500 kcmil	Z46NR	1.41 in
Z4747	1750 kcmil	Z47NR	1.53 in

MOLE™ Compression Cone Type Z For Compact Conductor

For use with Socket and Nut Assembly, the Z Cone is machined to close tolerances to provide maximum secureness in gripping a wide range of cable sizes. Annular grooves in the inner barrel of the cone serve to further accomplish this result.



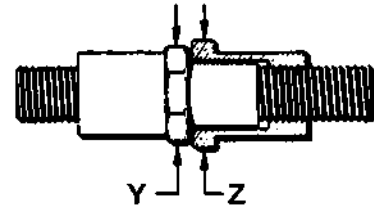
Compact Stranded Copper Cable			
Type Z Cone	Socket and Nut Assembly	Compact Cable Size	Nominal Conductor Diameter
Z3C28	Z28NR	#2	0.268
Z2C28		#1	0.299
Z1C28		1/0	0.336
Z2528		2/0	0.376
Z2628		3/0	0.423
Z2728		4/0	0.475
Z2C29		Z29NR	#1	0.299
Z1C29	1/0		0.336
Z2529	2/0		0.376
Z2629	3/0		0.423
Z2729	4/0		0.475
Z2829	250 kcmil		0.520
Z2929	300 kcmil		0.570
Z1C30	Z30NR	1/0	0.336
Z2530		2/0	0.376
Z2630		3/0	0.423
Z2730		4/0	0.475
Z2830		250 kcmil	0.520
Z2930		300 kcmil	0.570
Z1C32		Z32NR	1/0	0.336
Z2532	2/0		0.376
Z2632	3/0		0.423
Z2732	4/0		0.475
Z2832	250 kcmil		0.520
Z2932	300 kcmil		0.570
Z3232	500 kcmil		0.736
Z2534	Z34NR	2/0	0.376
Z2634		3/0	0.423
Z2734		4/0	0.475
Z2834		250 kcmil	0.520
Z2934		300 kcmil	0.570
Z3234		500 kcmil	0.736
Z3334		550 kcmil	0.775
Z3434	600 kcmil	0.813	

Compact Stranded Copper Cable				
Type Z Cone	Socket and Nut Assembly	Compact Cable Size	Nominal Conductor Diameter	
Z2536	Z36NR	2/0	0.376	
Z2636		3/0	0.423	
Z2736		4/0	0.475	
Z2836		250 kcmil	0.520	
Z2936		300 kcmil	0.570	
Z3236		500 kcmil	0.736	
Z3336		550 kcmil	0.775	
Z3436		600 kcmil	0.813	
Z3636		750 kcmil	0.908	
Z2640		Z40NR	3/0	0.423
Z2740	4/0		0.475	
Z2840	250 kcmil		0.520	
Z2940	300 kcmil		0.570	
Z3240	500 kcmil		0.736	
Z3340	550 kcmil		0.775	
Z3440	600 kcmil		0.813	
Z3640	750 kcmil		0.908	
Z2844	Z44NR		250 kcmil	0.520
Z2944			300 kcmil	0.570
Z3244		500 kcmil	0.736	
Z3344		550 kcmil	0.775	
Z3444		600 kcmil	0.813	
Z3644		750 kcmil	0.908	

MOLE™ Coupler, Type ZMS

For Connecting Multiple MOLE™ Connectors

A compact, easy-to-tape MOLE™ Coupler for joining multiple MOLE™ end-to-end. Allows for expansion of underground systems by joining more MOLE™ Connectors to existing MOLE™ installations. Easy assembled to the end outlets of MOLE™ Connectors Types ZMT, ZMX, ZML, and ZMK. Can also be used in side outlets for other types of MOLE™ arrangements. The MOLE™ Coupler has a lock nut feature which permits pre-positioning of the added MOLE™ and facilitates training of new cables. Makes an effective electrical and mechanical connection.



OUTLET RANGE: **“A” (5/8”) 6 Str. - 600 kcmil**
 “B” (7/8”) 2 Str. - 1000 kcmil
 “C” (1-1/8”) 500 - 1500 kcmil

MOLE™ Outlet Size	MOLE™ Coupler	MOLE™ Coupler Ampere Capacity	Dimensions in Inches		
			Overall Length	Cross Flats	
				Y	Z
A	ZMS29	1200	4-21/32	1-3/16	1-3/8
B	ZMS34	1600	5-7/32	1-1/2	1-3/4
C	ZMS40	2000	5-3/4	1-3/4	2-1/8

MOLE™ Outlet Insulating Sleeve, Type Z-C

Aid in insulating MOLE™ Outlets to produce watertight joint with minimal taping

An effective aid in insulating MOLE™ outlets to produce a secure watertight joint with a minimum of taping. Fits over the MOLE™ outlet and over the maximum outer diameter of insulated cable. The difference between the I.D. of the standard sleeve and the O.D. of the cable insulation is taken up by wrapping the cable with several turns of rubber tape. The only external taping required to effectively seal the joint is the small area at each end of the sleeve.

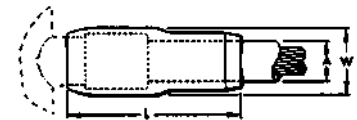


Fig. 1



Fig. 2

Catalog Number	For Use with Socket and Nut Assemblies	Fig. No.	Dimensions in Inches		
			*A (Max.)	L	W
Z72C3029	Z28NR Z29NR Z30NR	1	1-1/8	4-3/4	1-7/8
Z88C3429	Z32NR Z34NR Z34NRB Z36NR	1	1-3/8	5-3/16	2-1/8
Z104C4034	Z40NR	1	1-5/8	5-13/16	3-5/6
Z104C4434	Z44NR Z40NRA	2	1-5/8	7-3/16	3-5/6
Z144C4840	Z45NR Z46NR Z47NR Z48NR	2	2-1/4	9-5/16	3-1/2

* Build up insulation of MOLE™ Joint with rubber tape to equal inner diameter of Insulating Sleeve, for insulating sleeve with inner diameter other than standard call customer service.

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HYCRAB™ Connectors

One of the most economical devices for connecting several cables to a common junction point is the HYCRAB™, which is essentially a bus bar with a number of compression-type connector outlets, pre-insulated to eliminate taping. Like the MOLE™, the HYCRAB™ fits into a limited space, is simple to rack, and facilitates adding future cables.

Insert and Insulation

Having an insert similar to that of the MOLE™, the HYCRAB™, has connector outlets of the BURNDY® HYDENT™ compression type. These tubular elements are indented to the cable by BURNDY® HYPRESS™ installation tools and dies, designed to compress connector and cable together with indents of controlled depth. HYDENT™ compression connections are made quickly and easily, have relative conductivities of 100% or higher, are electrically stable, and mechanically secure.

The HYCRAB™ is insulated by a jacket of molded rubber to resist prolonged exposure to oil or other contaminants.

Installation

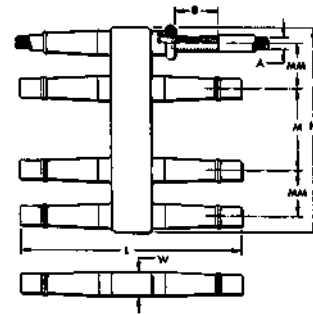
Insulation fingers are rolled back to expose the tubular outlets, sufficiently spaced to allow for the convenient operation of BURNDY® HYPRESS™ compression tools. Cable ends are inserted into the outlets. Each is crimped with one or two indents, and the fingers are rolled forward again to cover the outlets. Installation is completed by tapping the short space between the tip of the finger and cable insulation.

Variations and Accessories

Uninsulated HYCRAB™ connectors for joining bare neutral cables are available in the same range of sizes and number of outlets as the insulated HYCRAB™. By using reducing adapters, the HYCRAB™ can accommodate service wires as small as #6, in addition to the 4/0 or 500 kcmil cable sizes for which these connectors are ordinarily used.

Type YM Insulated HYCRAB™

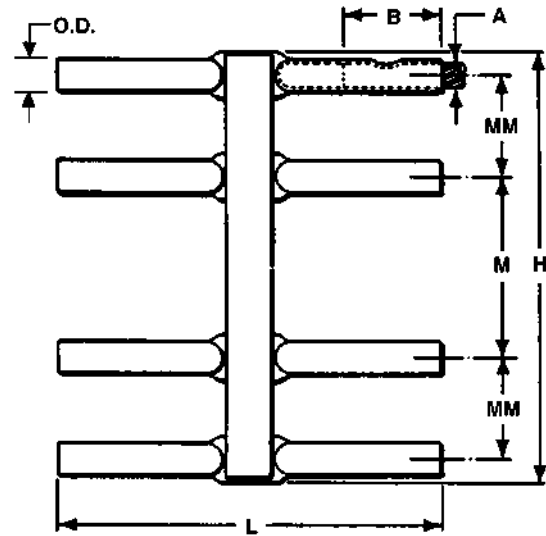
A compact insulated crab joint for connecting underground cables at junction points. Two outlets, one on either side of the HYCRAB™ body, are ready for immediate use. All other outlets are sealed with vulcanized rubber plugs which are easily removed when future installations are made. This unit eliminates bulky, difficult crotch taping. By using Reducing Adapters (Type Y-R), the HYCRAB™ can be installed on cable sizes from #6 to 500 kcmil (e.g.: use Y3428R to install 4/0 into YM4-34).



Catalog Number	Cable Size A	# of Outlets	Dimension in Inches						Installation Information	
									HYPRESS™ & Indentor Die	# of Indents
			Y34BH with Y34PR							
			Nest Die							
B	H	L	M	MM	W					
YM428	4/0 Str.	4	2	3-11/16	10-3/16	—	2-3/16	1-1/8	B28D	1
YM628		6	2	7-9/16	10-3/16	3-7/8	2-3/16	1-1/8	B28D	1
YM828		8	2	9-3/4	10-3/16	3-7/8	2-3/16	1-1/8	B28D	1
YM1028		10	2	13-1/2	8-3/4	3-1/2	2-1/2	1-1/8	B28D	1
YM1228		12	2	16	8-3/4	3-1/2	2-1/2	1-1/8	B28D	1
YM434	500 kcmil	4	2-1/2	4-3/8	12-5/8	—	2-3/8	1-1/2	No Nest Die Required. Use Indentor Only.	2
YM634		6	2-1/2	8-5/8	12-5/8	4-1/4	2-3/8	1-1/2		2
YM834		8	2-1/2	11	12-5/8	4-1/4	2-3/8	1-1/2		2
YM1034		10	2-1/2	14-1/2	12-1/2	3-3/4	2-1/2	1-1/2		2
YM1234		12	2-1/2	17	12-1/2	3-3/4	2-1/2	1-1/2		2

HYCRAB™ Connector, Type ZNM For Joining Bare Neutral Cables

A compact uninsulated multiple connector for joining bare neutral underground cables. For insulated crab joints, see HYCRAB™, Type YM. Reducing adapters (Type Y-R) permit the HYCRAB™ products listed below to take a full range of cable sizes from #6 to 500 kcmil. For proper installation see table below.



Catalog Number	Cable Size A	No. of Outlets	Dimension in Inches						Installation Information	
									HYPRESS™ & Indentor Die	No. of Indents
			Y34BH with Y34PR	Nest Die						
B	H	L	M	MM	O.D.					
YNM428	4/0 Str.	4	2	3-3/16	8-3/16	—	2-3/16	11/16	B28D	1
YNM628		6	3-1/8	7-1/6	8-3/16	3-7/8	2-3/16	11/16	B28D	1
YNM828		8	2	9-1/4	8-3/16	3-7/8	2-3/16	11/16	B28D	1
YNM434	500 kcmil	4	2-1/2	3-15/16	10-5/8	—	2-3/8	1-1/16	No Nest Die Required. Use Indentor Only.	2
YNM634		6	2-1/2	8-3/16	10-5/8	4-1/4	2-3/8	1-1/16		2
YNM834		8	2-1/2	10-9/16	10-5/8	4-1/4	2-3/8	1-1/16		2

* Bare HYCRAB™ can be furnished to accommodate both 4/0 and 500 kcmil cables.

Network Protection

The primary purpose of network protection is the controlled interruption of fault currents before damage occurs to cable insulations and associated equipment, and the elimination of unnecessary service interruptions. The limiter and fuses for network protection are closely associated with the connectors and are equally vital to the safe, continuous operation of an underground system.

BURNDY has developed protective devices that have played a major role in reducing underground system outages and the subsequent expenses incurred in the loss of service and replacement of damaged cables. A basic objective has been the design of limiter-connector combinations that, in addition to protecting against the effects of fault currents, economize on both space and installation costs.

Limiters are designed to protect underground secondary cable from damage by fault currents of two principal kinds: high energy arcing faults and sustained faults. The arcing fault, usually of shorter duration and lesser intensity, is more common. While this type of fault may sputter briefly and then clear, some may be sustained long enough to "roast" the insulation.

A sustained fault occurs when two conductors come solidly into contact and permit the flow of heavy short-circuit currents. Without suitable protection, these fault currents are heavy enough to damage cable insulation and often produce combustible fumes accompanied by fire and explosion.

Installed at each end of cable sections, limiters have time-current characteristics designed to avoid unnecessary outages. Network protector fuses, installed in the network protector on the load side of the breaker, provide back-up protection against failure of a network protector to open on a primary fault. Coordinated characteristics of limiters and fuses provide for fault currents to be interrupted before they can cause damage, but only under predetermined time-current conditions, and only in those parts of the system where interruption is necessary.

Limiters

Engineered to interrupt the circuit before cables carrying a fault current are usually damaged, limiters act to confine damage to the section of cable where the fault occurred. The limiters are designed to prevent unnecessary clearing and will "hang on" during:

1. Faults with wold clear without damaging cable insulation
2. Overloads from motor starting, load transfer because of primary fault, or temporary overload during fault conditions
3. Overloads from loss of secondary conductors caused by clearing of other limiters
4. Reverse current flow through the network protector on primary faults
5. Faults on other secondary cables

For proper proection BURNDY® limiters are designed with time-current characteristics approximating the insulation damage curve of the cable with which they will be used. Figure 4 shows time-current characteristic curves for a range of standard (250 volt) limiters, superimposed on insulation damage curves for several cable sizes. Although the limiter curve crosses the insulation damage curves, in practice the limiters will blow before the insulation can deteriorate.

The insulation damage characteristics represent three phases equally loaded in a duct. Since low-current faults seldom affect more than one phase at a time, the rate of heat generated in the conduit is much less than for a balanced 3-phase fault, and the time to reach the damage point is appreciably longer. Practical experience confirms that limiters provide protection during low-current, as well as high-current faults.

Construction

The limiter is essentially a compression-type electrical connector with its center section accurately formed to provide a fusible element. This fusible element is enclosed in a molded ceramic shell and the assembly encased in an insulated sleeve.

Interrupting capacities are as follows:

Standard Limiters: 30,000 amps at 250V

Replaceable-Link Limiters: 20,000 amps at 250V

The protection probably lies in the fact that the fault impedance reduces the actual fault current to a value considerably less than calculated.

Replaceable-Link Limiters

Replaceable-link limiters, which provide faster time-current characteristics (Figure 5), are used in smaller networks, on the fringes of larger networks, at points where radial feeders leave a network, and for fusing service cables. As its name implies, this limiter is also distinctive in that its fusible link is replaceable.

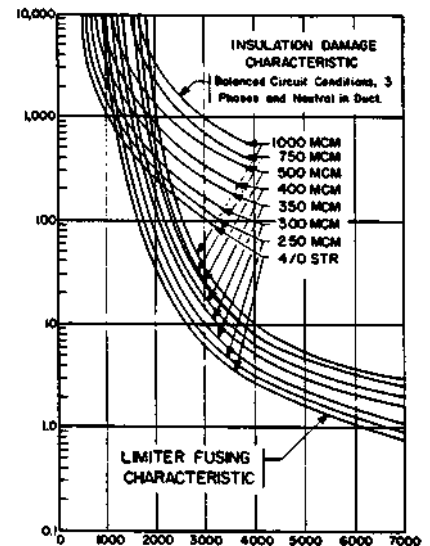


Figure 4: Current - Amperes Standard 250 Volt Limiters

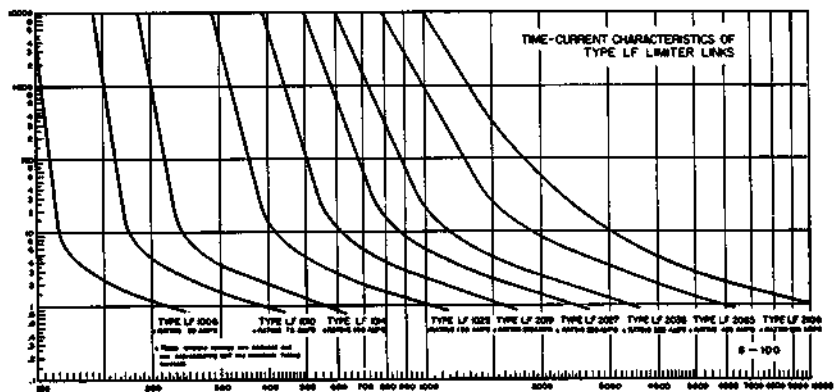


Figure 5: Current in Amperes Replaceable-link Limiters

Network Protection (Continued)

Limiter Variations

The Limiter Lug provides a fusible connection between a cable and a flat surfaced terminal of a transformer or other apparatus. The Limiter Tap incorporates a Limiter Lug assembly, modified to terminate cable to a ring bus. This straight Limiter is made for installation in a single conductor cable. The Molimiter is a Limiter designed so that one end is crimped onto a cable and the other fits the clamping element of a MOLE™ outlet. The Limiter HYCRAB™ connector is essentially a HYCRAB™ with a fusible section in each of its outlets.

Network Protector Fuses

Type Y and Z Network Protector Fuses provide back-up protection in case the protector breaker fails to operate during a primary fault. The fuse time-current curves (Figure 7), are similar to those of the limiter, thus permitting correct fuse-limiter coordination for complete network protection.

Design and Construction

The fusible element for a Type Y or Type Z Fuse is a tin-plated copper bar with reduced section, encased in an arc-resistant molded ceramic enclosure. One-piece construction eliminates possibility of joint failure and assures maximum reliability.

Limiter-Fuse Coordination

To isolate a fault before it can cause extensive damage, and without interrupting service in other sections of the network, limiters and fuses must clear at the proper time and in proper sequence, depending on the fault's location in the primary or secondary system. When a primary fault occurs, the fuse should clear before any

limiters blow. For a secondary fault, limiters should clear the fault before the network protector fuse opens. Failure of limiters and network protector fuses to function in proper sequence could cause cascading of other Fuses, or clearing of secondary faults by Fuses rather than limiters. Premature blowing of Limiters not in the faulted section could cause unnecessary service interruption in sections remote from the fault.

To assure the coordinated functioning of fuses and limiters throughout a system, proper rating must be selected. The four-step "Coordination Study" (Figure 8) used in a 4-parallel cable feed system from the protector to the first secondary junction is a typical example of how to select proper ratings.

1. Plot the damage characteristic curve of the cable insulation in the system. Curves for Class L620 (260° C or 500° F), appear in Figure 5.
2. Plot the time-current characteristic curve of the same limiter in Parallel secondary mains, assuming it carries 40% of total backfeed current. Allowing for the possibility of unequal current distribution of secondary mains, the "40% Cable Limiter Curve" provides a conservative basis for selection of network protector fuses.
3. Select a fuse with its time-current characteristics (Figure 7) lying between the limiter curves plotted in steps 2 and 3.

This procedure avoids the selection of fuses so light that they might overheat the network protector or clear unnecessarily, possibly cascading other fuses in the network; or so heavy that transformer secondaries might be damaged or limiters blow before the fuse. Proper limiter-fuse coordination, facilitated by the use of fuses and limiters that are precisely matched, assures effective protection without unnecessary interruption.

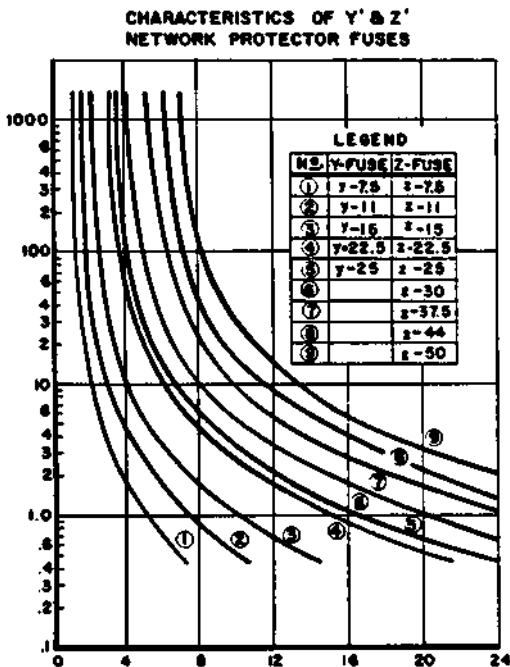


Figure 7: Amperes in Thousands

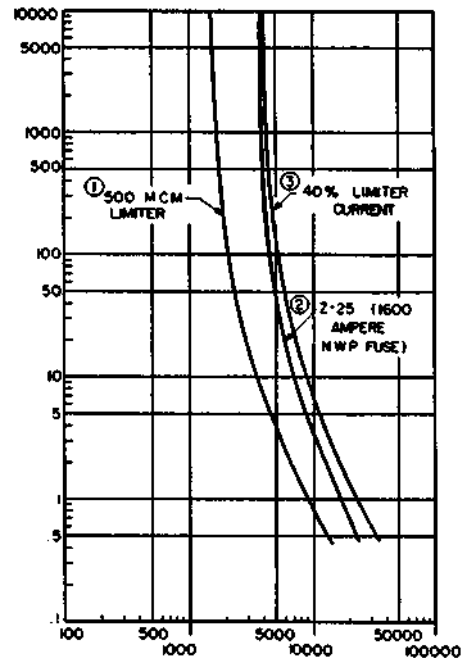
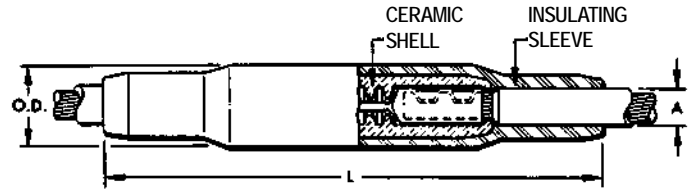


Figure 8: Current in Amperes

Limiter Assembly, Types YFS-CR, YFS-CP
With Ceramic Shell and Rubber Sleeve for Insulated Cables

The Limiter combines the functions of fuse and connector. The fusible element which is an integral part of the connector will clear faults that are great enough to cause damage to the cable insulation. However it will not clear on minor overloads of short duration. Fusing characteristics of the limiter are shown in technical section. For HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.



To specify a fast acting limiter in any configuration insert an "F" before the conductor number (e.g., YFSF34CR specifies a 1/2 thick limiter section).

*Paper Insulated Cable - Oil Tight Cable Sockets.

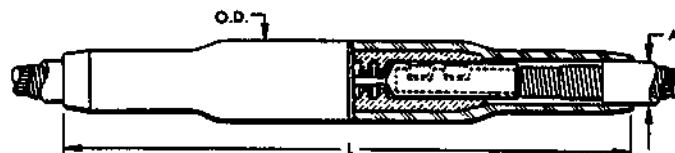
- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

For Use On		Cable Size	Dimensions in Inches			Installation Tooling (# Crimps)							
Rubber Insulated Cable	Paper Insulated Cable*		Max. Cable Dia. over Insulation A	L	O.D.	Die Information		Hydraulic					
Catalog Number						Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFS28CR	YFS28CP	4/0 Str.	1	12-3/4	1-15/16	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
							Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFS29CR	YFS29CP	250 kcmil	1	12-3/4	1-15/16	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
							Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFS30CR	YFS30CP	300 kcmil	1-1/8	13-1/2	2-3/16	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
							Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFS31CR	YFS31CP	350 kcmil	1-1/8	13-1/2	2-3/16	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
							Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFS32CR	YFS32CP	400 kcmil	1-1/8	13-1/2	2-3/16	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
							Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFS34CR	YFS34CP	500 kcmil	1-11/32	15-7/8	2-3/8	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
							Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFS39CR	YFS39CP	750 kcmil	1-1/2	15-9/16	2-9/16	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	—	L39RT (2)
							Nest Indentor	—	—	—	—	—	—

Long Limiter Assembly, Type YFS-CPL With Ceramic Shell and Rubber Sleeve for Paper-Lead Cables

The Long Limiter performs the same functions as the Limiter shown, Types YFS-CR and YFS-CP. It differs in that it has extra long cable sockets which are preferred by some for use on paper insulated cable. The end seams are sealed to make the sockets oil tight. Fusing characteristics of the Limiter are shown in technical section. For proper HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.



To specify a fast acting limiter in any configuration insert an "F" before the conductor number (e.g., YFSF34CR specifies a 1/2 thick limiter section).

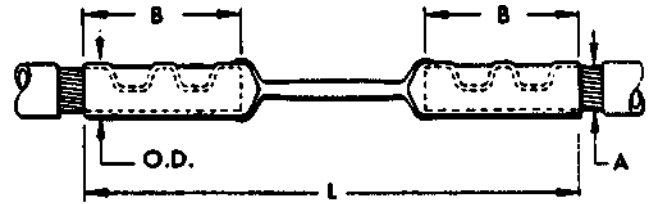
- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

Catalog Number	Cable Size	Dimensions in Inches			Installation Tooling (# Crimps)							
		Max. Cable Dia. over Insulation A	L	O.D.	Die Information		Hydraulic					
					Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFS28CPL	4/0 Str.	1	12-3/4	1-15/16	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
						Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFS29CPL	250 kcmil	1	12-3/4	1-15/16	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
						Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFS30CPL	300 kcmil	1-1/8	13-1/2	2-3/16	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
						Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFS31CPL	350 kcmil	1-1/8	13-1/2	2-3/16	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
						Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFS32CPL	400 kcmil	1-1/8	13-1/2	2-3/16	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
						Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFS34CPL	500 kcmil	1-11/32	15-7/8	2-3/8	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
						Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFS39CPL	750 kcmil	1-1/2	15-9/16	2-9/16	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	—	L39RT (2)
						Nest Indentor	—	—	—	—	—	—

Limiter, Types YFSR, YFSP
For Use with Limiter Assembly

The Limiter serves the double function of a fuse and a coupler. The fusible element is an integral part of the coupler and is closely and carefully sized to insure excellent performance. Fusing characteristics of the Limiter are shown in technical section. For proper HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.



To specify a fast acting limiter in any configuration insert an "F" before the conductor number (e.g., YFSF34CR specifies a 1/2 thick limiter section).

*Paper Insulated Cable - Oil Tight Cable Sockets.

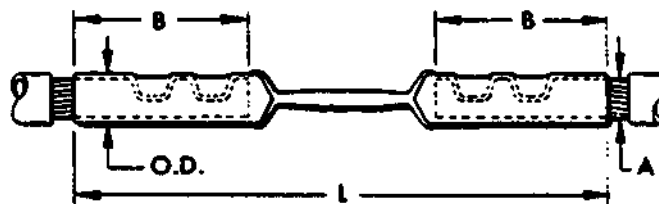
- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

For use on Rubber Insulated Cable Catalog Number	For use on Paper Insulated Cable* Catalog Number	Cable Size	Dimensions in Inches			Installation Tooling (# Crimps)							
			B	L	O.D.	Die Information		Hydraulic					
						Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFSR28	YFSP28	4/0 Str.	1-3/4 in	6-3/8	11/16	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
							Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFSR29	YFSP29	250 kcmil	1-7/8 in	6-3/8	3/4	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
							Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFSR30	YFSP30	300 kcmil	2 in	6-3/4	13/16	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
							Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFSR31	YFSP31	350 kcmil	2 in	6-3/4	7/8	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
							Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFSR32	YFSP32	400 kcmil	2-1/8 in	7	31/32	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
							Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFSR34	YFSP34	500 kcmil	2-7/8 in	8-3/4	1-1/16	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
							Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFSR39	YFSP39	750 kcmil	2-7/8 in	9	1-5/16	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	—	L39RT (2)
							Nest Indentor	—	—	—	—	—	—

Long Limiter, Type YFSP-L For Use with Long Limiter Assembly

The Long Limiter serves the same purpose as the Limiter shown above but has extra long oil tight cable sockets which may be preferred by some for use on paper insulated cables. Similarly designed to clear on overloads that will damage the insulation of the cable. Fusing characteristics of the Long Limiter are shown in technical section. For HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.



To specify a fast acting limiter in any configuration insert an "F" before the conductor number (e.g., YFSF34CR specifies a 1/2 thick limiter section).

- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

Catalog Number	Cable Size	Dimensions in Inches			Installation Tooling (# Crimps)							
		B	L	O.D.	Die Information		Hydraulic					
					Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFSP28L	4/0 Str.	2-15/16 in	8-3/4	11/16	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
						Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFSP29L	250 kcmil	3-1/16 in	8-3/4	3/4	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
						Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFSP30L	300 kcmil	3-3/8 in	9-1/2	13/16	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
						Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFSP31L	350 kcmil	3-3/8 in	9-1/2	7/8	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
						Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFSP32L	400 kcmil	3-3/8 in	9-1/2	31/32	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
						Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFSP34L	500 kcmil	4-3/16 in	11-3/8	1-1/16	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
						Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFSP39L	750 kcmil	4-3/16 in	11-5/8	1-5/16	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	—	L39RT (2)
						Nest Indentor	—	—	—	—	—	—

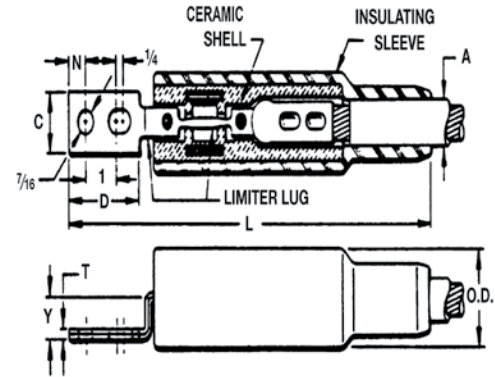
Limiter Lug Assembly, Types YFA-CR, YFA-CP
With Ceramic Shell and Rubber Sleeve

The Limiter Lug combines the functions of terminal and fuse. The fusible element is an integral part of the connector and is so designed that it will clear overloads which are great enough to cause damage to the cable insulation. Unlike an ordinary fuse, however, it will not clear on minor overloads of short duration. Fusing characteristics of the Limiter Lugs are shown in the technical section. Component parts shown in the table below may be purchased separately. For proper HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.

*Paper Insulated Cable - Oil Tight Cable Sockets.

- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools



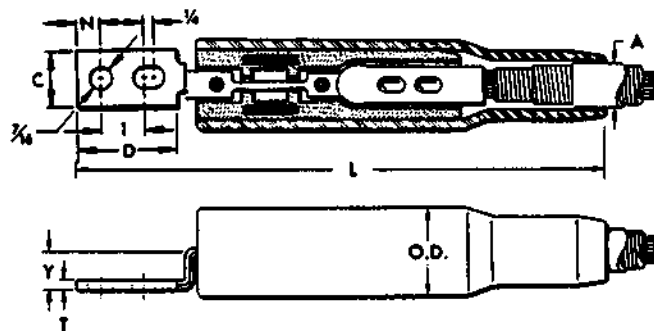
For Use On		Cable Size	Dimensions in Inches								Installation Tooling (# Crimps)							
Rubber Insulated Cable	Paper Insulated Cable*		(Max. Cable Dia. over Insul.) A	C	D	L	N	T	Y	O.D.	Die Information		Hydraulic					
Catalog Number											Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFA28CR2	YFA28CP2	4/0 Str.	1.00	1.00	2.19	11.56	0.44	0.14	0.84	2.00	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
												Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFA29CR2	YFA29CP2	250 kcmil	1.00	1.13	2.19	11.56	0.44	0.16	0.84	2.00	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
												Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFA30CR2	YFA30CP2	300 kcmil	1.22	1.19	2.31	13.19	0.50	0.16	1.00	2.38	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
												Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFA31CR2	YFA31CP2	350 kcmil	1.22	1.31	2.31	13.19	0.50	0.19	1.00	2.38	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
												Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFA32CR2	—	400 kcmil	1.22	1.44	2.31	13.19	0.50	0.19	1.00	2.38	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
												Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFA34CR2	YFA34CP2	500 kcmil	1.34	1.50	2.75	13.63	0.50	0.22	1.00	2.38	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
												Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFA39CR2	YFA39CP2	750 kcmil	1.50	1.94	2.75	13.63	0.50	0.25	1.00	2.38	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	C39R (2)	L39RT (2)
												Nest Indentor	—	—	P32D (2) P44PR	—	C39D (2) Y48PR	—

Long Limiter Lug Assembly, Type YFA-CPL With Ceramic Shell and Rubber Sleeve for Paper Lead Cables

A Limiter Lug similar to Type YFA-CR or YFACP. In this case, however, we supply an extra long cable socket which is sometimes preferred for use on paper insulated cable. The end seams are sealed to make sockets oil tight. Fusing characteristics of the Limiter Lugs are shown in the technical section. For proper HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.

- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools



Catalog Number	Cable Size	(Max. Cable Dia. over Insul.) A	Dimensions in Inches							Installation Tooling (# Crimps)							
			C	D	L	N	T	Y	O.D.	Die Information		Hydraulic					
										Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFA28CPL2	4/0 Str.	1.00	1.00	2.19	11.56	0.44	0.14	0.84	2.00	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
											Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFA29CPL2	250 kcmil	1.00	1.09	2.19	11.56	0.44	0.16	0.84	1.75	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
											Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFA30CPL2	300 kcmil	1.22	1.19	2.31	13.19	0.50	0.16	1.00	2.38	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
											Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFA31CPL2	350 kcmil	1.22	1.28	2.31	13.19	0.50	0.19	1.00	0.88	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
											Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFA32CPL2	400 kcmil	1.22	1.44	2.31	13.19	0.50	0.19	1.00	2.38	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
											Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFA34CPL2	500 kcmil	1.34	1.50	2.75	13.63	0.50	0.22	1.00	1.06	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
											Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFA39CPL2	750 kcmil	1.50	1.94	2.75	13.63	0.50	0.25	1.00	2.38	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	C39R (2)	L39RT (2)
											Nest Indentor	—	—	P32D (2) P44PR	—	C39D (2) Y48PR	—

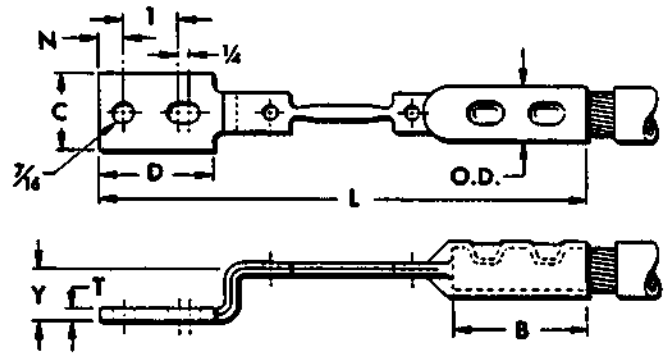
Limiter Lug, Types YFAR, YFAP
For Use with Limiter Lug Assembly

The Limiter Lug incorporates an accurately determined fusible section as an integral part with its terminal end. The fusible section is so selected that it will prevent the cable from roasting or damage from a short circuit, although it will not clear on minor overloads of short duration not harmful to cable insulation. For proper HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.

*Paper Insulated Cable - Oil Tight Cable Sockets.

- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools



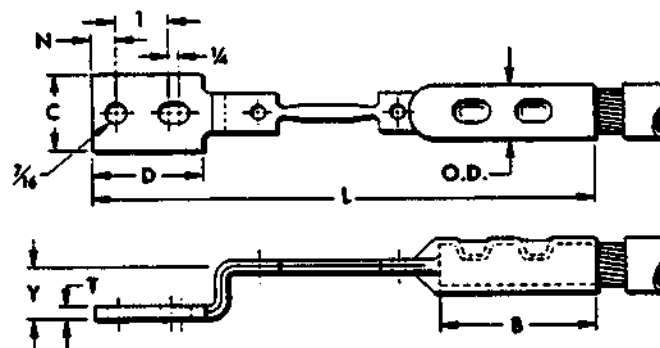
For Use On		Cable Size	Dimensions in Inches								Installation Tooling (# Crimps)							
Rubber Insulated Cable	Paper Insulated Cable*		B	C	D	L	N	T	Y	O.D.	Die Information		Hydraulic					
Catalog Number											Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFAR282	YFAP282	4/0 Str.	1.81	1.00	2.19	8.22	0.44	0.14	0.89	0.70	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
												Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFAR292	YFAP292	250 kcmil	1.81	1.09	2.19	8.22	0.44	0.16	0.91	0.76	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
												Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFAR302	YFAP302	300 kcmil	1.94	1.19	2.31	8.88	0.50	0.16	1.07	0.83	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
												Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFAR312	YFAP312	350 kcmil	1.94	1.28	2.31	8.88	0.50	0.18	1.08	0.89	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
												Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFAR322	YFAP322	400 kcmil	2.06	1.38	2.31	9.12	0.50	0.19	1.10	0.97	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
												Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFAR342	YFAP342	500 kcmil	2.44	1.54	2.75	10.00	0.50	0.23	1.11	0.97	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
												Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFAR392	YFAP392	750 kcmil	2.44	1.91	2.75	10.00	0.50	0.26	1.14	1.34	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	C39R (2)	L39RT (2)
												Nest Indentor	—	—	P32D (2) P44PR	—	C39D (2) Y48PR	—

Long Limiter Lug, Type YFAP-L

For Use with Limited Lug Assembly

Similar to Limiter Lug Types YFAR and YFAP, except that this type provides a long oil tight cable socket, preferred by some users of paper-insulated cables. Fusing characteristics shown in technical section. For HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.



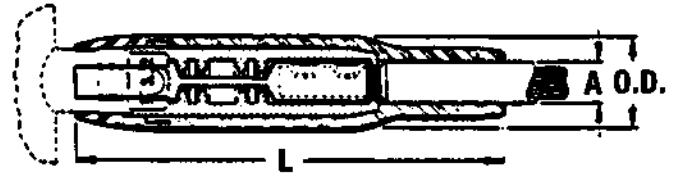
- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

Catalog Number	Cable Size	Dimensions in Inches								Installation Tooling (# Crimps)							
		B	C	D	L	N	T	Y	O.D.	Die Information		Hydraulic					
										Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFAP28L2	4/0 Str.	3.50	1.00	2.19	10.44	0.44	0.14	0.89	0.69	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
											Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFAP29L2	250 kcmil	3.56	1.12	2.18	10.44	0.44	0.16	0.89	0.75	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
											Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFAP30L2	300 kcmil	3.63	1.18	2.31	11.19	0.50	0.16	1.10	0.76	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
											Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFAP31L2	350 kcmil	3.63	1.38	2.31	11.38	0.50	0.18	1.08	0.82	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
											Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFAP32L2	400 kcmil	3.75	1.38	2.31	11.50	0.50	0.19	1.10	0.89	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
											Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFAP34L2	500 kcmil	4.13	1.54	2.75	12.25	0.50	0.23	1.11	0.98	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
											Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFAP39L2	750 kcmil	4.13	1.91	2.75	12.31	0.50	0.27	1.14	1.20	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	C39R (2)	L39RT (2)
											Nest Indentor	—	—	P32D (2) P44PR	—	C39D (2) Y48PR	—

MOLIMITER™ Assembly, Types YFM-CR, YFM-CP
With Ceramic Shell and Rubber Sleeve for Insulated Cables

The MOLIMITER™ is used for fusing underground cables at junction points. The unit is designed for use with the BURNDY® MOLE™ and provides Limiter protection for cables, which terminate at the MOLE™. The cable end is installed in the MOLIMITER™ cable socket (see Installation Information in table below) and then the MOLE™ end is installed in the MOLE™ outlet Socket and Nut assembly. Any MOLIMITER which has burned clear may be quickly replaced. For time current characteristics see the technical section.

For conductor sizes not listed call customer service.



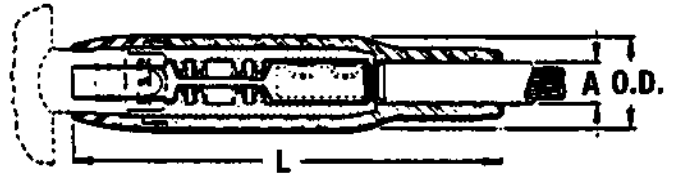
*Paper Insulated Cable - Oil Tight Cable Sockets.

- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

For Use On		Cable Size	Dimensions in Inches			For Connection to MOLE™ Use		MOLE™ Outlet Size	Installation Tooling (# Crimps)							
Rubber Insulated Cable	Paper Insulated Cable*		(Max. Cable Dia. Over Insul.) A	L	O.D.	Socket and Nut Assembly	Z Cone		Die Information		Hydraulic					
Catalog Number									Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFM28CR	YFM28CP	4/0 Str.	1.34	11.69	2.38	Z28NR	Z2828	A	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
										Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFM29CR	YFM29CP	250 kcmil	1.34	11.69	2.38	Z29NR	Z2929	A	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
										Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFM30CR	YFM30CP	300 kcmil	1.34	11.69	2.38	Z30NR	Z3030	A	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
										Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFM31CR	YFM31CP	350 kcmil	1.34	11.69	2.38	Z31NR	Z3131	A	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
										Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFM32CR	YFM32CP	400 kcmil	1.34	11.69	2.38	Z32NR	Z3232	A	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
										Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFM34CR	YFM34CP	500 kcmil	1.34	11.69	2.38	Z34NR	Z3434	A	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
										Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFM39CR	YFM39CP	750 kcmil	1.50	12.19	2.56	Z34NRB	Z3434	B	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	C39R (2)	L39RT (2)
										Nest Indentor	—	—	P32D (2) P44PR	—	C39D (2) Y48PR	—

Long MOLIMITER™ Assembly, Type YFM-CPL With Ceramic Shell and Rubber Sleeve for Paper Lead Cables

The Long MOLIMITER™ differs from the standard MOLIMITER™ only in its extra long cable socket. This socket, with the end seam sealed oil tight, is preferred by some for use on paper insulated cables. Time-current characteristics are shown in the technical section. For proper HYPRESS™ installation, see table below.



For conductor sizes not listed call customer service.

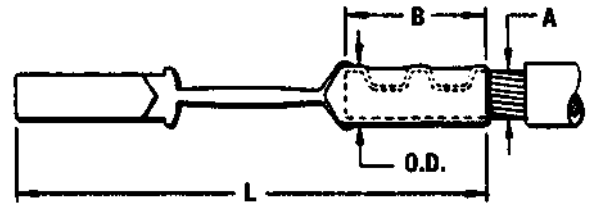
- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

Catalog Number	Cable Size	Dimensions in Inches			For Connection to MOLE™ Use		MOLE™ Outlet Size	Installation Tooling (# Crimps)							
		(Max. Cable Dia. Over Insul.) A	L	O.D.	Socket & Nut Assembly	Z Cone		Die Information		Hydraulic					
								Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFM28CPL	4/0 Str.	1.34	11.69	2.38	Z28NR	Z2828	A	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
									Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFM29CPL	250 kcmil	1.34	11.69	2.38	Z29NR	Z2929	A	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
									Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFM30CPL	300 kcmil	1.34	11.69	2.38	Z30NR	Z3030	A	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
									Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFM31CPL	350 kcmil	1.34	11.69	2.38	Z32NR	Z3132	A	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
									Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFM32CPL	400 kcmil	1.34	11.69	2.38	Z32NR	Z3232	A	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
									Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFM34CPL	500 kcmil	1.34	11.69	2.38	Z34NR	Z3434	A	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
									Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFM39CPL	750 kcmil	1.50	12.19	2.56	Z34NRB	Z3434	B	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	C39R (2)	L39RT (2)
									Nest Indentor	—	—	P32D (2) P44PR	—	C39D (2) Y48PR	—

MOLIMITER™ Limiter, Types YFMR, YFMP
For Use with Long MOLIMITER™ Assembly

The MOLIMITER™ combines an accurately determined fusible section with both a MOLE™ Socket end and a cable socket. Designed to clear on overloads that would injure the cable insulation, the MOLIMITER™ may be easily and quickly replaced. For time current characteristics of MOLIMITER see the technical section. For proper HYPRESS™ installation, see table below.

For conductor sizes not listed call customer service.



*Paper Insulated Cable - Oil Tight Cable Sockets.

- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

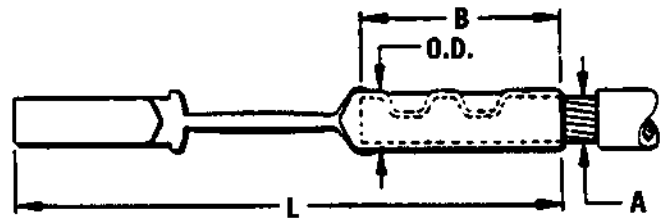
NOTE: To specify a fast acting limiter in any configuration insert an "F" before the conductor number e.g. YFSF34CR specifies a 1/2 thick limiter section.

For Use On		Cable Size A	Dimensions in Inches			For Connection to MOLE™ Use		MOLE™ Outlet Size	Installation Tooling (# Crimps)							
Rubber Insulated Cable	Paper Insulated Cable*		B	L	O.D.	Socket and Nut Assembly	Z Cone		Die Information		Hydraulic					
Catalog Number									Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFMR28	YFMP28	4/0 Str.	1.86	6.28	0.83	Z28NR	Z2828	A	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
										Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFMR29	YFMP29	250 kcmil	1.88	6.19	0.84	Z29NR	Z2929	A	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
										Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFMR30	YFMP30	300 kcmil	2.00	6.81	0.96	Z30NR	Z3030	A	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
										Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFMR31	YFMP31	350 kcmil	2.00	6.94	0.91	Z32NR	Z3132	A	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
										Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFMR32	YFMP32	400 kcmil	2.14	7.27	0.97	Z32NR	Z3232	A	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
										Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFMR34	YFMP34	500 kcmil	2.75	8.26	1.13	Z34NR	Z3434	A	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
										Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFMR39	YFMP39	750 kcmil	2.88	8.75	1.38	Z34NRB	Z3434	B	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	C39R (2)	L39RT (2)
										Nest Indentor	—	—	P32D (2) P44PR	—	C39D (2) Y48PR	—

Long MOLIMITER™ Limiter, Type YFMP-L For Use with Long MOLIMITER™ Assembly

Similar to Type YFMR and YFMP except for a long oil tight cable socket preferred by some users of paper-insulated cable. Fusing characteristics shown in the technical sections. For proper HYPRESS™ installation, see table below

For conductor sizes not listed call customer service.



To specify a fast acting limiter in any configuration insert an "F" before the conductor number (e.g., YFSF34CR specifies a 1/2 thick limiter section).

- ① Y35P3 Indentor Adaptor required for Y34PR Indentor
- ② Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools

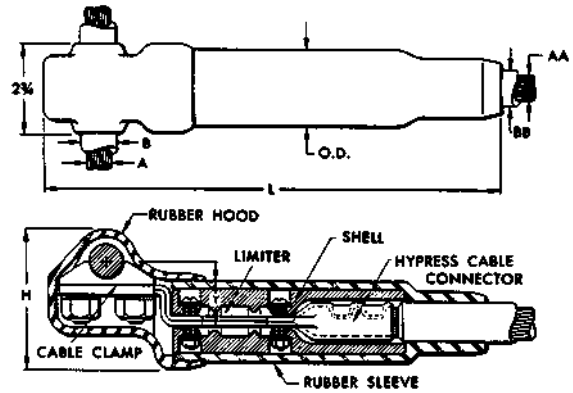
NOTE: To specify a fast acting limiter in any configuration insert an "F" before the conductor number e.g. YFSF34CR specifies a 1/2 thick limiter section.

Catalog No.	Cable Size	Dimensions in Inches			For Connection to MOLE™ Use		MOLE™ Outlet Size	Installation Tooling (# Crimps)							
		B	L	O.D.	Socket & Nut Assembly	Z Cone		Die Information		Hydraulic					
								Die Index	Type ①	Y34A	35, 750 Series	46 Series ②	45 Series ③	Y48B	60 Series
YFMP28L	4/0 Str.	3.06	7.25	0.69	Z28NR	Z2828	A	15	Purple Die Set	—	U28RT (2)	U28RT (2)	U28RT (2)	C28R (2)	L28RT (1)
									Nest Indentor	A28D (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	U28D1 (1) Y34PR	C28D (1) Y48PR	—
YFMP29L	250 kcmil	3.56	7.88	0.75	Z29NR	Z2929	A	16	Yellow Die Set	—	U29RT (2)	U29RT (2)	U29RT (2)	C29R (2)	L29RT (1)
									Nest Indentor	A29D (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	U29D1 (2) Y34PR	C29D (1) Y48PR	—
YFMP30L	300 kcmil	3.67	8.48	0.81	Z30NR	Z3030	A	17	White Die Set	—	U30RT (4)	U30RT (4)	U30RT (4)	C30R (1)	L30RT (1)
									Nest Indentor	A30D (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	U30D1 (2) Y34PR	C30D (2) Y48PR	—
YFMP31L	350 kcmil	3.69	8.66	0.88	Z32NR	Z3132	A	18	Red Die Set	—	U31RT (4)	U31RT (4)	U31RT (4)	C31R (1)	L31RT (1)
									Nest Indentor	A31D (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	U31D1 (2) Y34PR	C31D (1) Y48PR	—
YFMP32L	400 kcmil	3.81	8.66	0.95	Z32NR	Z3232	A	19	Blue Die Set	—	U32RT (4)	U32RT (4)	U32RT (4)	C32R (1)	L32RT (1)
									Nest Indentor	A32D (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	U32D1 (2) Y34PR	C32D (2) Y48PR	—
YFMP34L	500 kcmil	4.13	9.44	1.06	Z34NR	Z3434	A	20	Brown Die Set	—	U34RT (4)	U34RT (4) P34RT (4)	U34RT (4)	C34R (2)	L34RT (2)
									Nest Indentor	A34D (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	U34D1 (2) Y34PR	C34D (2) Y48PR	—
YFMP39L	750 kcmil	4.19	10.38	1.31	Z34NRB	Z3434	B	24	Black Die Set	—	U39RT (4)	U39RT (4) P39RT (4)	U39RT (4) S39RT (4)	C39R (2)	L39RT (2)
									Nest Indentor	—	—	P32D (2) P44PR	—	C39D (2) Y48PR	—

Limiter Tap Assembly, Type VYFT
 For Insulated Cables

The Limiter Tap is suitable for making Limiter connections to a cable ring bus in a manhole or transformer vault. It can be installed on oil impregnated, paper insulated, or rubber insulated cable. Fusing characteristics of the Limiter are the same as Type YFA shown in the technical section. The rubber sleeve and insulating hood reduce taping to a minimum. Catalog Numbers shown include hoods. If no hood is required, eliminate one "C" from the Catalog Number. Replaceable Link Limiter Taps can be ordered. For proper HYPRESS™ installation, see table below.

Paper-Lead Cables: If a long cable socket is preferred for use on paper insulated cable add "L" to the catalog number (e.g., VYFT3428CCP becomes VYFT3428CCPL).

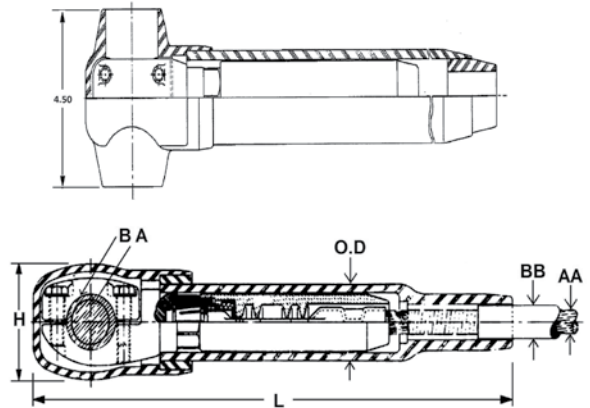


For Use on Rubber Insulated Cable Catalog No.	For Use on Paper Insulated Cable-Oil Tight Cable Socket Catalog No.	A Run	AA Tap	Dimensions in Inches						Installation Information	
				B Max. Cable Dia. Over Insul.	BB Max. Cable Dia. Over Insul.	H	L	Y	O.D.	HYPRESS™ & Indentor Die	No. of Indents
VYFT3428CCR	VYFT3428CCP	500 kcmil	4/0 Str.	1.09	1.00	4.00	12.19	1.75	1.94	Y34BH with Y34PR Nest Die		1
VYFT3434CCR	VYFT3434CCP	500 kcmil	500 kcmil	1.09	1.34	4.00	14.19	1.75	2.38	No Nest Die Req'd.	
VYFT3934CCR	VYFT3934CCP	750 kcmil	500 kcmil	1.31	1.34	4.00	14.19	1.75	2.38		
VYFT4434CCR	VYFT4434CCP	1000 kcmil	500 kcmil	1.08	1.34	4.13	14.19	2.09	2.38		

To specify a fast acting limiter in any configuration insert an "F" before the conductor number (e.g., YFSF34CR specifies a 1/2 thick limiter section).

Limiter Tee Tap, Type NYFT
 For Rubber or Paper Insulated Cables

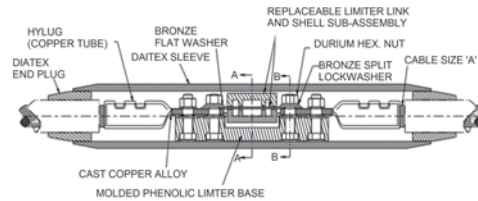
The NYFT Limiter is similar to Type VYFT except the run conductor is clamped with a four bolt cap and the Limiter Tap is removable by means of a socket and nut assembly. The Limiter current characteristics are the same as Type YFA shown in the technical section.



For Use on Rubber Insulated Cable Catalog No.	For Use on Paper Insulated Cable-Oil Tight Cable Socket Catalog No.	A Run	AA Tap	Dimensions in Inches						Installation Information	
				B Max. Cable Dia. Over Insul.	BB Max. Cable Dia. Over Insul.	H	L	O.D.	HYPRESS™ & Indentor Die	No. of Indents	
NYFT3434CCR	NYFT3434CCP	500 kcmil	500 kcmil	1.89	1.25	2.91	16.78	2.41	Y34BH with Y34PR Nest Die		2
									No Nest Die Req'd.		

Replaceable Link Limiter, Type LYS With Ceramic Shell and Rubber Sleeve for Insulated Cables

The Replaceable Link Limiter incorporates the functions of both fuse and coupler. For use with rubber and paper-insulated cable, it is designed to facilitate rapid and inexpensive replacement of Limiter Links upon clearing. It also permits, if desired, the use of a Link rated for a lower ampere capacity than supplied with our standard Limiter. For proper HYPRESS™ installation, see table below.



Catalog Number	Cable Size	** (Max. Cable Dia. Over Insul. Inches) A	Number of Indents in Cable Socket	* Link Supplied		Installation Information				
				Ampere Capacity	Catalog Number	No. of Indents	Installation Die Index Number			
LYS4CC	#4 Str.	0.50	1	75A	LF1010	1	95			
LYS2CC	#2 Str.	0.75		100A	LF1014		LF1014	97		
LYS1CC	#1 Str.							98		
LYS25C	1/0 Str.							99		
LYS26C	2/0 Str.							100		
LYS27C	3/0 Str.	1.00		200A	LF2019		LF2019	101		
LYS28C	4/0 Str.							250A	LF2027	15
LYS29C	250 kcmil									16
LYS30C	300 kcmil		1.25			2		300A	LF2038	17
LYS31C	350 kcmil	LF2038		18						
LYS32C	400 kcmil			LF2065	19					
LYS34C	500 kcmil	20								

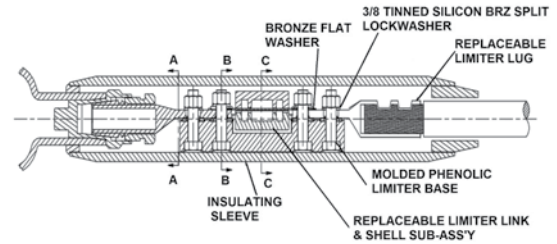
* Fuse link supplied is selected on the basis of a minimum blowing current of approximately twice the NEC rubber insulated cable rating. Refer to Time Current curves shown and specify if another size is desired.

** The standard end bushing supplied is for maximum cable insulation diameters as shown. Compact cable will require a bushing with a smaller inside diameter to accommodate the smaller insulation diameter of the cable. If other than standard bushing is required, contact customer service.

To specify a fast acting limiter in any configuration insert a "F" before the conductor number (e.g., YFSF34CR specifies a 1/2 thick limiter section).

Replaceable Link MOLIMITER™, Type LYM
With Ceramic Shell and Rubber Sleeve for Insulated Cables

The Replaceable Link MOLIMITER™ is used to fuse underground cables at junction points with the BURNDY® MOLE™. The "Replaceable Link" feature permits the selection of one of several links. In addition, the replacement of links that have burned clear is both rapid and inexpensive. For use with both rubber and paper insulated cables. The MOLE™ end of the MOLIMITER™ is installed in the MOLE™ Socket and Nut Assembly, while the cable socket end is HYPRESS™ installed, see table below for proper installation.



Catalog Number	Cable Size	** (Max. Cable Dia. Over Insul. Inches) A	Number of Indents in Cable Socket	* Link Supplied		For Connection to MOLE™ Use		Installation Information	
				Ampere Capacity	Catalog Number	Socket & Nut Assembly	Z Cone	No. of Indents	Installation Die Index Number
LYM2CC	2 Str.	0.75	1	100A	LF1014	Z28NR	Z2828	1	97
LYM1CC	1 Str.				LF1014				98
LYM25C	1/0 Str.			LF1025	99				
LYM26C	2/0 Str.			LF1025	100				
LYM27C	3/0 Str.	1.00	1	200A	LF2019	Z29NR	Z2929	1	101
LYM28C	4/0 Str.			250A	LF2027				15
LYM29C	250 kcmil			LF2027	16				
LYM30C	300 kcmil	1.25	2	300A	LF2038	Z30NR	Z3030	2	17
LYM31C	350 kcmil				LF2038	Z32NR	Z3132		18
LYM32C	400 kcmil			400A	LF2065	Z32NR	Z3232		19
LYM34C	500 kcmil				LF2065	Z34NR	Z3434		20

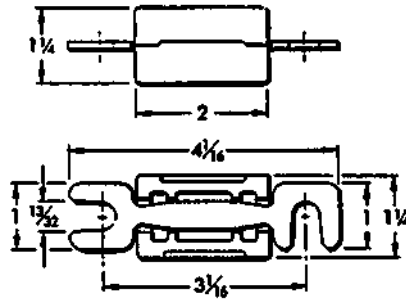
* Fuse link supplied is selected on the basis of a minimum blowing current of approximately twice the NEC rubber insulated cable rating. Refer to Time Current curves shown and specify if another size is desired.

** The standard end bushing supplied is for maximum cable insulation diameters as shown. Compact cable will require a bushing with a smaller inside diameter to accommodate the smaller insulation diameter of the cable. If other than standard bushing is required, contact customer service.

Limiter Link, Type LF

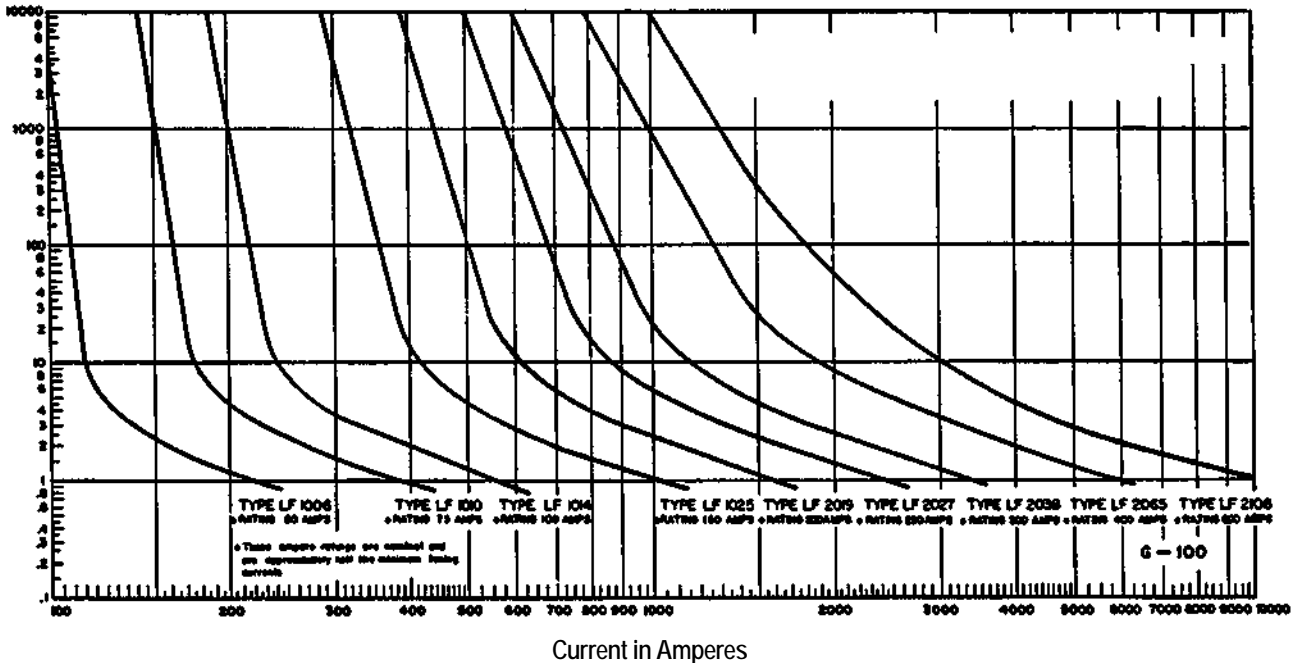
For Use with All Replaceable Limiters

Made of pure copper, the Limiter Link is controlled dimensionally to close tolerances to maintain accurate fusing characteristics. Refer to Time-Current Characteristic curve shown below and specify rating desired. The Limiter Link is supplied enclosed in a shell with heatproof chamber to confine and break the arc created by fusing.



*Catalog Number	Ampere Capacity
LF1006	50A
LF1010	75A
LF1014	100A
LF1025	150A
LF2019	200A
LF2027	250A
LF2038	300A
LF2065	400A
LF2108	500A

* For use with LYS and LYM.



Time-Current Fusing Characteristics of Type LF Limiter Links

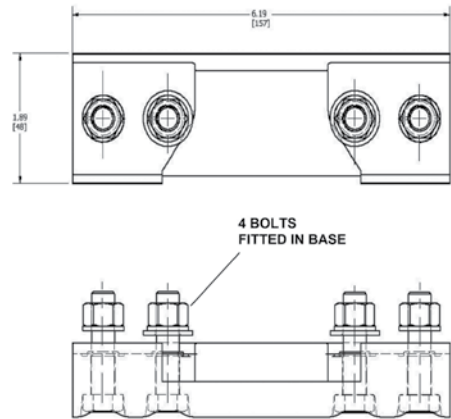
The nominal current ratings of these Limiter Links are approximately one-half the minimum currents required to clear the fuses. The general slope and shape of the curves are similar to those of the time-current curves of the Limiters. The Type LF Limiter Links are made of pure copper with dimensions carefully controlled in order to maintain accurate fusing characteristics.

Limiter Base, Type LYBASEH

For Use with All Replaceable Limiters

A heat resisting, high impact, molded phenolic base for mounting HYDENT™ Cable lugs or MOLIMITER™-lugs. The bases are supplied with bolts fitted in place with retaining rings, enabling the lugs to be easily assembled to BURNDY® Replaceable Limiter Links. They may be purchased separately for use with all Replaceable Limiters.

Catalog Number	For Use with
LYBASEH	LYM
	LYS

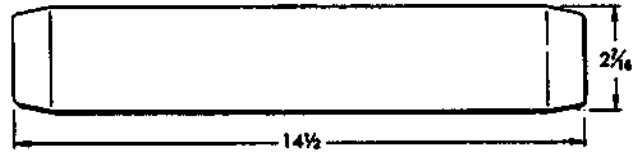


Limiter Sleeve, Type LYS34P2

For Use with All Replaceable Limiters

A molded sleeve for insulating the Replaceable Limiter and MOLIMITER™ assemblies. Similar to other component parts, the insulating sleeves may be purchased separately. These sleeves are used in conjunction with the LYS-P6 bushings.

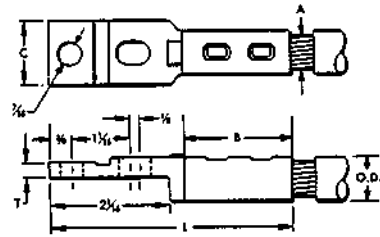
Catalog Number	For Use with
LYS34P2	LYS
	LYM



HYLUG™ Terminal, Type LYS-P5

For Use with All Replaceable Limiters

Fabricated of high copper alloy, this terminal has a sealed cable socket for use with paper insulated, oil-impregnated cables as well as rubber-insulated cables. Tin plated to retard corrosion and prevent discoloration. The HYLUG™ is for use with LYS and LYM.

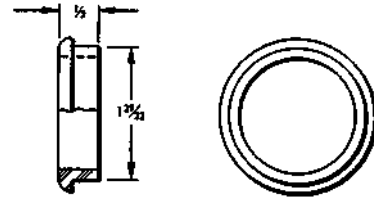


Catalog Number	Cable Size A	Dimensions in Inches					Installation Information	
		B	C	L	T	O.D.	No. of Indents	Installation Tool Index Number
LYS6CP5	#6 Str.	1-1/4	3/4	3-9/16	3/16	5/16	1	94
LYS4CP5	#4 Str.			3-5/8		11/32		95
LYS2CP5	#2 Str.	1-9/32		3-3/4		13/32		97
LYS1CP5	#1 Str.	1-3/8		3-29/32		15/32		98
LYS25P5	1/0 Str.			3-15/16		17/32		99
LYS26P5	2/0 Str.	1-1/2	13/16	4-1/16	9/16	2	100	
LYS27P5	3/0 Str.		29/32		5/8		101	
LYS28P5	4/0 Str.	1-5/8	1-1/8	4-3/16	11/16	2	15	
LYS29P5	250 kcmil				3/4		16	
LYS30P5	300 kcmil	2	1-3/8	4-9/16	13/16	2	17	
LYS31P5	350 kcmil		1-9/16		4-11/16		7/8	18
LYS32P5	400 kcmil	2-1/8		4-11/16	31/32	19		
LYS34P5	500 kcmil	2-1/4		4-13/16	1-1/16	20		

Bushing, Type LYM34P3

For Use with All Replaceable Limiters

Type LYM34P3 is for assembly of Replaceable MOLIMITERS™ to the MOLE™ outlet. It fills the space between Limiter sleeve and the MOLE™ outlet to allow easy taping.

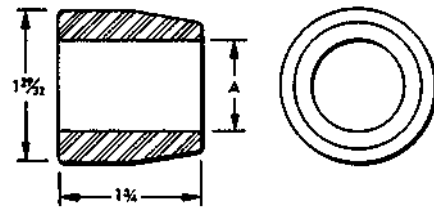


Catalog Number	For Use with	MOLE™ Outlet Size
LYM34P3	LYM	A
	LZM	

Bushing, Type LYS-P6

For Use with All Replaceable Limiters

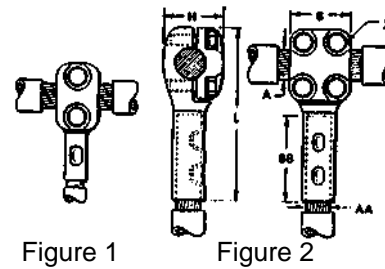
The LYS-P6 bushing is designed to fit closely over the cable insulation when used with the LYS34P2 Limiter sleeve. It fills the space between the Limiter sleeve and cable. The tapered bushing facilitates taping at installation.



Catalog Number	(Max. Cable Dia. Over Insul.) A	For Use with
LYS32P6	1/2	LYS LYM
LYS48P6	3/4	
LYS64P6	1	
LYS80P6	1-1/4	

T-Connector, Type NYT Cable Run / Cable Tap

A "T" connector designed to provide a clamp type element on the run and a permanent HYPRESS™ connection on the tap. Recommended for use on ring buses or for applications where occasional disconnects from the run conductor are desired without disturbing the tap connection. Tin plated. For proper installation of tap cable, see table below.



Catalog Number	Conductor Size		Fig. No.	Dimensions in Inches					Installation Information	
									HYPRESS™ & Indentor Die	No. of Indents
	Run A	Tap AA		B	BB	H	J	L	Y34B with Y34PR		Nest Die
NYT282C	4/0 AWG	2/0 AWG	1	1-3/8	1-1/4	1-3/8	3/8	3-3/16	B2CD	1
NYT2825		1/0	1	1-3/8	1-3/8	1-3/8	3/8	4	B25D	1
NYT2826		2/0 AWG	1	1-3/8	1-1/2	1-3/8	3/8	4-1/8	B26D	1
NYT2828		4/0 AWG	2	2	1-5/8	1-3/8	3/8	4-5/16	B28D	1
NYT292C	250 kcmil	2/0 AWG	1	1-3/8	1-1/4	1-7/16	3/8	3-3/16	B2CD	1
NYT2925		1/0	1	1-3/8	1-3/8	1-7/16	3/8	4-1/16	B25D	1
NYT2926		2/0 AWG	1	1-3/8	1-1/2	1-7/16	3/8	4-3/16	B26D	1
NYT2928		4/0 AWG	2	2	1-5/8	1-7/16	3/8	4-3/8	B28D	1
NYT2929	250 kcmil	2	2	1-5/8	1-7/16	3/8	4-7/16	B29D	1	
NYT3125	350 kcmil	1/0	1	1-3/8	1-3/8	1-1/2	3/8	4-1/8	B25D	1
NYT3126		2/0 AWG	1	1-3/8	1-1/2	1-1/2	3/8	4-5/16	B26D	1
NYT3128		4/0 AWG	2	2	1-5/8	1-1/2	3/8	4-1/2	B28D	1
NYT3129		250 kcmil	2	2	1-5/8	1-1/2	3/8	4-9/16	B29D	1
NYT3131		350 kcmil	2	2	2	1-1/2	3/8	5	B31D	2
NYT3426	500 kcmil	2/0 AWG	1	1-3/8	1-1/2	1-5/8	3/8	4-7/16	B26D	1
NYT3428		4/0 AWG	2	2	1-5/8	1-5/8	3/8	4-5/8	B28D	1
NYT3429		250 kcmil	2	2	1-5/8	1-5/8	3/8	4-5/8	B29D	1
NYT3431		350 kcmil	2	2	2	1-5/8	3/8	5-1/16	B31D	2
NYT3434		500 kcmil	2	2	2-1/4	1-5/8	3/8	5-3/8	No Nest Die Req'd.	2
NYT3926	750 kcmil	2/0 AWG	1	1-3/8	1-1/2	1-7/8	3/8	4-5/8	B26D	1
NYT3928		4/0 AWG	2	2	1-5/8	1-7/8	3/8	4-13/16	B28D	1
NYT3929		250 kcmil	2	2	1-5/8	1-7/8	3/8	4-13/16	B29D	1
NYT3931		350 kcmil	2	2	2	1-7/8	3/8	5-1/4	B31D	2
NYT3934		500 kcmil	2	2	2-1/4	1-7/8	3/8	5-9/16	No Nest Die Req'd.	2
NYT3939	750 kcmil	2	2	2-7/8	1-7/8	3/8	6-1/4	—	2	
NYT4426	1000 kcmil	2/0 AWG	1	1-3/8	1-1/2	2-1/8	3/8	4-3/4	B26D	1
NYT4428		4/0 AWG	2	2	1-5/8	2-1/8	3/8	4-15/16	B28D	1
NYT4429		250 kcmil	2	2	1-5/8	2-1/8	3/8	5	B29D	1
NYT4431		350 kcmil	2	2	2	2-1/8	3/8	5-7/16	B31D	2
NYT4434		500 kcmil	2	2	2-1/4	2-1/8	3/8	5-3/4	No Nest Die Req'd.	2
NYT4439		750 kcmil	2	2	2-7/8	2-1/4	3/8	6-3/8	—	2
NYT4444	1000 kcmil	2	2-11/16	3	2-5/16	1/2	7	—	2	
NYT4628	1500 kcmil	4/0 AWG	2	2	1-5/8	2-11/16	3/8	5-3/8	B28D	1
NYT4629		250 kcmil	2	2	1-5/8	2-11/16	3/8	5-7/16	B29D	1
NYT4631		350 kcmil	2	2	2	2-11/16	3/8	5-7/8	B31D	2
NYT4634		500 kcmil	2	2	2-1/4	2-11/16	3/8	6-3/16	No Nest Die Req'd.	2
NYT4639		750 kcmil	2	2	2-7/8	2-11/16	3/8	6-3/4	—	2
NYT4644		1000 kcmil	2	2	3	2-3/4	1/2	7-1/8	—	2
NYT4646	1500 kcmil	2	2-11/16	3-3/16	2-3/4	1/2	7-11/16	—	2	

High Capacity Limiter - 200,000 Amperes at 600 Volts

The BURNDY® High Capacity Limiter is designed to economically protect electrical distribution systems from the destructive effect of high energy faults. The increasing number of 600 volt secondary network installations for industrial and commercial applications demand a cable limiter that can safely interrupt 200,000 amperes (symmetrical available) and one that will also completely coordinate with the higher voltage network protector fuses.

Available fault currents as high as 200,000 amperes rms at 600 volts across the fusible elements have been interrupted during tests on the BURNDY® High Capacity Limiter. The power factor during these tests was less than 15%, thereby imposing the most difficult clearing conditions. No external disturbance is experienced upon clearing fault currents from the "float" value to 200,000 amperes. The quartz tiller absorbs the intense energy generated by interrupting the fault current. The quartz fuses into tubular fulgurites, with a high dielectric strength, and forms an insulating barrier between the melted link sections. This action prevents restrike of the internal arc. The rugged aluminum housing and cast epoxy end seals provide a vessel that completely contains the developed energy.

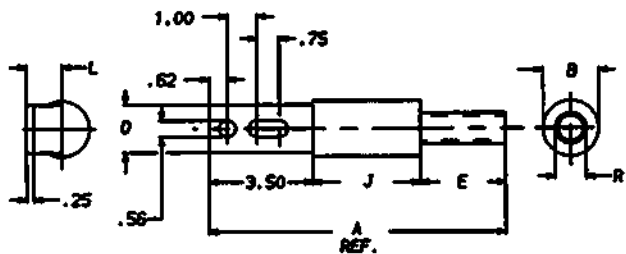
The carefully developed time-current characteristics and rigid manufacturing tolerances assure proper coordination with the network protector fuses and the insulation damage characteristics of 4/0, 250, 350, 500 kcmil and 750 cable.

The High Capacity Limiter is available in four variations to accommodate a variety of installation practices. The Type HYS cable sockets at both ends, which allow for indenting to the cable ends with a hydraulic BURNDY® HYPRESS™. The HYA has an off-set lug on one end which permits back-to-back mounting on bus bar. They HYA also allows cable to installation with no off-set.

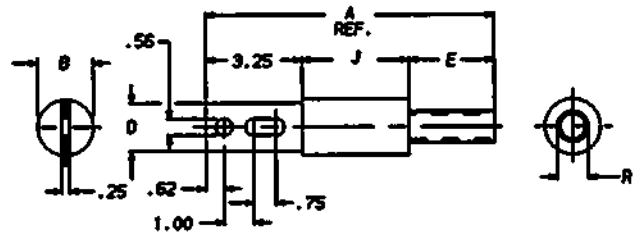
For those installations where BURNDY® MOLE™ connections are used for manhole junctions or transformer vault buses, the Type HYM permits a replaceable connection of the limiter director to the MOLE™ outlet at one end and a compression cable connection at the other.

Modern electrical distribution systems require low cost protection to safeguard costly equipment and quickly isolate faults, so that the undamaged portions of the system may function normally. BURNDY® High Capacity Limiters assure positive, economical protection when installed in properly designed systems.

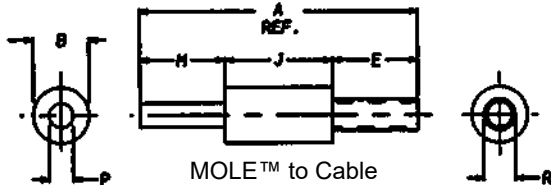
NOTE: Today's fault currents are growing. If you need higher fault current ratings, please contact the factory.



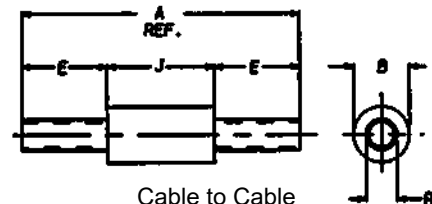
Offset Bus to Cable
Type HYAO
Figure 1



Bus to Cable
Type HYA
Figure 2



MOLE™ to Cable
Type HYM
Figure 3



Cable to Cable
Type HYS
Figure 4

High Capacity Limiter 200,000 Amperes at 600 Volts

④ Catalog Number	Cable Size	Fig. No.	A		B		D		E		J		L		M		P		R		Die Index	Die	No. of Crimps per End
			In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm			
H Yao_28	4/0	1	8.87	225	1.44	37	1.12	28	1.75	44	3.62	92	0.96	24	—	—	—	—	0.68	17	15	U28RT	2
H Yao_29	250 kcmil	1	9.00	229	1.44	37	1.12	28	1.88	48	3.62	92	0.96	24	—	—	—	—	0.75	19	16	U29RT	2
H Yao_31	350 kcmil	1	9.12	232	1.62	41	1.12	28	2.00	51	3.62	92	0.96	24	—	—	—	—	0.88	22	18	U31RT	4
H Yao_34	500 kcmil	1	10.00	254	1.88	48	1.62	41	2.88	73	3.62	92	1.19	30	—	—	—	—	1.05	27	20	U34RT	4
H Yao_39	750 kcmil	1	10.13	257	2.50	64	2.00	51	2.88	73	3.75	95	1.31	33	—	—	—	—	1.32	34	24	U39RT	4
H YA_28	4/0	2	8.62	219	1.44	37	1.12	28	1.75	44	3.62	92	—	—	—	—	—	—	0.68	17	15	U28RT	2
H YA_29	250 kcmil	2	8.75	222	1.44	37	1.12	28	1.88	48	3.62	92	—	—	—	—	—	—	0.75	19	16	U29RT	2
H YA_31	350 kcmil	2	8.87	225	1.62	41	1.12	28	2.00	51	3.62	92	—	—	—	—	—	—	0.88	22	18	U31RT	4
H YA_34	500 kcmil	2	9.75	248	1.88	48	1.62	41	2.88	73	3.62	92	—	—	—	—	—	—	1.05	27	20	U34RT	4
H YA_39	750 kcmil	2	9.88	251	2.50	64	2.00	51	2.88	73	3.75	95	—	—	—	—	—	—	1.32	34	24	U39RT	4
H YM_28	4/0	3	7.87	200	1.44	37	—	—	1.75	44	3.62	92	—	—	2.50	64	0.52	13	0.68	17	15	U28RT	2
H YM_29	250 kcmil	3	8.00	203	1.44	37	—	—	1.88	48	3.62	92	—	—	2.50	64	0.58	14	0.75	19	16	U29RT	2
H YM_31	350 kcmil	3	8.12	206	1.62	41	—	—	2.00	51	3.62	92	—	—	2.50	64	0.68	17	0.88	22	18	U31RT	4
H YM_34	500 kcmil	3	9.38	238	1.88	48	—	—	2.88	73	3.62	92	—	—	2.88	73	0.81	21	1.05	27	20	U34RT	4
H YM_39	750 kcmil	3	9.51	242	2.50	64	—	—	2.88	73	3.75	95	—	—	2.88	73	1.00	25	1.32	34	24	U39RT	4
H YS_28	4/0	4	7.12	180	1.44	37	—	—	1.75	44	3.62	92	—	—	—	—	—	—	0.68	17	15	U28RT	2
H YS_29	250 kcmil	4	7.38	188	1.44	37	—	—	1.88	48	3.62	92	—	—	—	—	—	—	0.75	19	16	U29RT	2
H YS_31	350 kcmil	4	7.62	194	1.62	41	—	—	2.00	51	3.62	92	—	—	—	—	—	—	0.88	22	18	U31RT	4
H YS_34	500 kcmil	4	9.38	238	1.88	48	—	—	2.88	73	3.62	92	—	—	—	—	—	—	1.05	27	20	U34RT	4
H YS_39	750 kcmil	4	9.51	242	2.50	64	—	—	2.88	73	3.75	95	—	—	—	—	—	—	1.32	34	24	U39RT	4

Notes:

1. For insulated version add suffix "-C" to Catalog Number (example: HYMS34C).
2. High Capacity Limiter. 200kA interrupting capacity at 600V AC.
3. Cable end utilize dies with 35, 46, 45, and 750 series tools (750 kcmil size units cannot be installed with the 35 Series tools).
- ④ For fast operating limiter use "F"; for slow or standard operating limiter use "S" before conductor number (example: HYMF34 or HYMS34) see Time-Current Characteristics.
5. For other conductor sizes, contact the factory.

For over 85 years, BURNDY has pioneered and produced economical, dependable connectors and protective devices for urban underground distribution systems. This extensive experience has been applied to the development of equipment for low cost underground distribution systems for light commercial and residential areas.

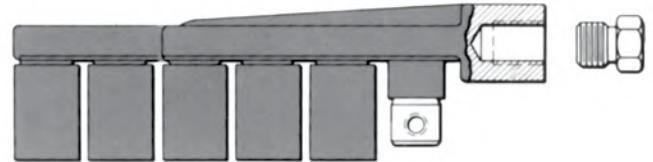
Increasing interest by home buyers and developers has created a need for URD components comparable in cost with those used in overhead systems.

Using connectors designed for other purposes, early URD installations were relatively expensive. Recognizing the need to reduce installation costs, BURNDY developed a line of connectors specifically for URD.

These products are shown in this section. They are the result of a continuing search for new materials and more efficient production methods to bring down cost to meet the requirements of low cost underground construction.

Type RDMD-2858D
Stud MOLE™ Junction with Adapter

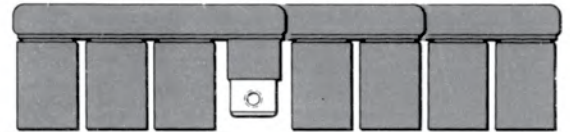
The RDMD-2858D Stud MOLE™ is identical to the insulated RDMD-28G except an adapter is supplied, allowing MOLE™ to be removed from transformer stud without disconnecting the individual services.



Catalog Number	Number of Outlets	Insulated
RDMD42858D	4	Yes

Type RDM-28
URD MOLE™ for Aluminum or Copper

Type RDM-28 MOLE™ is an economical, insulated, submersible service junction suitable for direct burial or for use in enclosures. Disconnectable joints allow additions of new services without disturbing previous installations. Taping is eliminated, heat-shrink or force-fit rubber sleeves insulate each joint. Rubber is used to insulate the MOLE™ body. Removable sealing covers are supplied on all outlets but two. REA listed Tap Kits, including HYLUG™, hardware and sleeve are ordered separately.



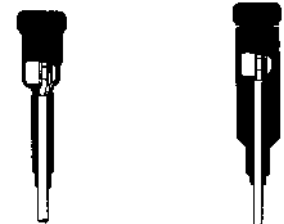
Catalog Number	Number of Outlets
RDM428	4
RDM628	6
RDM828	8

Types RA6UC-SL, RA6UCR-SL
URD Street Lighting Tap Kit for Aluminum or Copper

URD tap kit for making street lighting taps from URD MOLE™ types RDM-28 and RDM-28T. Each kit accommodates 6 str. - 12 sol. Kits include connector, mounting hardware and insulating sleeve.



Catalog Number		Conductor
Heat Shrink	Force Fit	
RA6UCSL	RA6UCRSL	6 Str. - 12 Sol.



MOLE™ Tap Kits, Types RYA-UC, RYA-AC

For Aluminum or Copper with Type RDM-28
URD MOLE™

The kit consists of Universal HYLUG™, mounting hardware and heat-shrink sleeve. The HYLUG™ is pre-filled with PENETROX™ joint compound and sealed. Installed with common installation tools, three die sets install a range of 4 str.-350 kcmil. The heatshrink sleeve is lined with a mastic material, providing a positive seal. Installed with standard propane torch, or 500°F electric heat gun. Acetylene heat is too intense and is not recommended.



TYPES RYA-UC, RYA-AC



TYPES RYA-UCR, RYA-ACR

MOLE™ Tap Kits, Types RYA-UCR, RYA-ACR

With Force Fit Rubber Sleeve

The kit consists of Universal HYLUG™, mounting hardware and pre-lubricated force fit rubber sleeve. The HYLUG™ is pre-filled with PENETROX™ joint compound and sealed. Installed with common installation tools, three die sets install a range of 4 str.-350 kcmil. The rubber sleeve has internal sealing rings that provide a positive moisture seal by exerting circumferential force on cable and MOLE™ insulation. Pre-lubricating sleeve makes installation easier. REA listed. No trimming required.

Catalog Number			Conductor		EEI Die Index	Die Index	Tools, Die Set Catalog Number & (Number of Crimps)		
Heat Shrink Complete Set	Shrink Sleeve Only	Force Fit Complete Set	Copper	Aluminum			MD6 Series	35, 750 Series	OUR840
RYA4UC	RYAC25	RYA4UCR	2 Sol.-4 Str.	2 Sol. - 4 Str. 4 Str. Comp	8A	BG or 5/8-1 or 243	WBG (1) BG3 or W243	UBG (1) UK581T (3) U243 (1)	XBG (3) XNBG (2)
RYA2UC	RYAC25	RYA2UCR	2 Str. - 1/0 Sol.	2 Str. - 1/0 Sol. 2-1 Str. Comp					
RYA25UC	RYAC25	RYA25UCR	1/0 Str.	1/0 Str. - 2/0 Sol. 1/0 Str. Comp.					
RYA2WAC	RYAC25	RYA2WACR	—	2 Sol. EC-O	—	BG	BG (5)	—	XBG (5) XNBG (3)
RYA75AC	RYAC25	RYA75ACR	—	1/0 Sol. EC-O	—	—	—	UK581T (5)	XNBG (3)
RYA26UC	RYAC31	RYA26UCR	2/0 Str.	2/0 Str. 2/0 Str. Comp.	11	249 or 840	W249 (3) WK840 (5)	U249 (2) UK840T (3)	X249 (6) X840 (5)
RYA27UC	RYAC31	RYA27UCR	3/0 Str.	3/0 Str. 3/0 Str. Comp. 4/0 Sol. EC-O	11				
RYA28UC	RYAC31	RYA28UCR	4/0 Str.	4/0 Str. 4/0 Str. - 250 Comp.	11				
RYA29UC	RYAC31	RYA29UCR	250 kcmil	250 250 Comp.	13A	299 or 655 or 705	—	U31ART (2) U655 (3) U705 (2)	—
RYA31AC	RYAC31	RYA31ACR	—	300 - 350 300 - 350 Comp.	13A				

* Overlap Crimps.

** Do not use EEI Die. (11A) to install 4/0 Sol. EC-O.

NOTE: Standard mounting hardware is 3/8" button head socket cap screw with captive conical washer. For HEX HEAD bolt with captive conical washer add "HEX" suffix.

Example:

RYA4UCR-HEX. For HEX HEAD bolt and captive flat washer add suffix "HEX1".

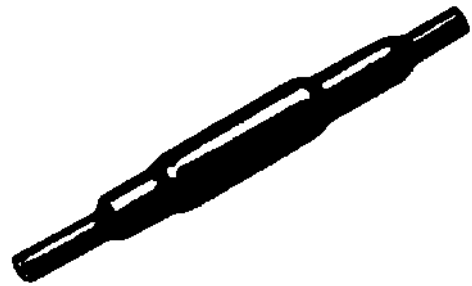
For HEX HEAD bolt and non-captive flat washer add suffix "HEX2".

For HEX HEAD bolt and non-captive conical washer add suffix "HEX3".

For Stainless Steel HEX HEAD bolt add "HEX355" suffix.

URD Insulated Splice Kit, Type YS-CG
For All Aluminum or Copper/Aluminum Combinations

Type YS-CG URD insulated splice kit consists of a standard YSU or YSD LINKIT™ and a heat-shrink sleeve. Used to splice URD secondary lines up to 600 volts. It is installed with common installation tools. Heat-shrink sleeve is installed with standard propane torch, or 500° F electric heat gun. Acetylene is not recommended.



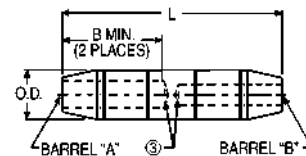
Catalog Number		Conductor			Die Index	Tools, Die Set Catalog Number, & (No. of Crimps)	
Complete Splice Kit	Heat Shrink Sleeve	Both Sides				MD6 Series	35, 750 Series
		Aluminum	ACSR	Copper *			
YS2UCG1	RYAC25	1-2 Str.	2 (6-1, 7-1)	1-2 Str.	BG 243	BG (3) WBG (1)** W243 (2)	UBG(1)** U243 (1)
YS25UCG1		1/0 Str. 1/0 Comp.	1/0 (6-1)	1/0 Str.			
YS26UCG1	RYAC311	2/0 Str. 2/0 Comp.	2/0 (6-1)	2/0 Str.	249/840	W249 (4) WK840 (7)	U249 (2) UK840T (4)
YS27UCG1		3/0 Str. 3/0 Comp.	3/0 (6-1)	3/0 Str.			
YS28UCG1		4/0 Str. 4/0 Comp.	4/0 (6-1)	4/0 Str.			
YS31ACG1	RYAC31	350 350 Comp.	—	350	299/705	—	U299 (2) U705 (1)

* Use to join copper to aluminum or ACSR not copper to copper.

** Multiple crimp die set makes more than one crimp per compression.

HYREDUCER™ Splice, Type YRB-U For Aluminum to Aluminum and Aluminum to Copper

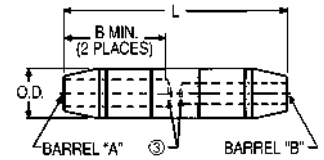
Type YRB-U splice is designed for use within underground systems. Aluminum splices are tin-plated and recommended for use on Aluminum-to-Aluminum and Aluminum-to-Copper cables. All splices have solid center stop for use with oil filled and non-oil filled cables. The Outside Diameter is held constant to minimize installation dies and connectors are prefilled with PENETROX™. Rated up to 35 kV.



Catalog Number	Conductor Range		Dimensions		O.D.	Wire Strip Length		Die Index	Color Code
	Barrel "A" Copper & Aluminum	Barrel "B" Copper & Aluminum	B Min.	L		Barrel "A"	Barrel "B"		
YRB2U3TTN	#2 (.292 Dia.) 7 Str.	#3 (.260 Dia.) 7 Str.	1.35 [34]	3.25 [83]	0.65 [17]	1-3/4"	1-3/4"	296	Tan
YRB1CU2TTN	#1 (.332 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.	#2 (.292 Dia.) 7 Str.							
YRB1CU1TTN	#1 (.332 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.	#1 (.332 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.							
YRB25U3TTN	1/0 (.373 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.	#3 (.260 Dia.) 7 Str.							
YRB25U2TTN	1/0 (.373 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.	#2 (.292 Dia.) 7 Str.							
YRB25U25TTN	1/0 (.373 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.	1/0 (.373 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.							
YRB27U25TW	3/0 (.470 Dia.) 19 Str. or 3/0 Compact (.423 Dia.) 19 Str.	1/0 (.373 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.	1.53 [39]	3.69 [94]	0.85 [22]	1-1/2"	1-1/2"	298	White
YRB28U3TW	4/0 (.528 Dia.) 19 Str. or 4/0 Compact (.475 Dia.) 19 Str.	#3 (.260 Dia.) 7 Str.							
YRB28U1TW	4/0 (.528 Dia.) 19 Str. or 4/0 Compact (.475 Dia.) 19 Str.	#1 (.332 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.							
YRB28U25TW	4/0 (.528 Dia.) 19 Str. or 4/0 Compact (.475 Dia.) 19 Str.	1/0 (.373 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.							
YRB28U26TW	4/0 (.528 Dia.) 19 Str. or 4/0 Compact (.475 Dia.) 19 Str.	2/0 (.419 Dia.) 19 Str. or 2/0 Compact (.376 Dia.) 19 Str.							
YRB28U28TW	4/0 (.528 Dia.) 19 Str. or 4/0 Compact (.475 Dia.) 19 Str.	4/0 (.528 Dia.) 19 Str. or 4/0 Compact (.475 Dia.) 19 Str.							
YRB31U25TW	350 kcmil (.681 Dia.) 37 Str. or 350 kcmil Compact (.616 Dia.) 19 Str. Al; 37 Str. Al & Cu	1/0 (.373 Dia.) 19 Str. or 1/0 Compact (.336 Dia.) 19 Str.	2.34 [59]	5.43 [138]	1.11 [28]	2-1/4"	2-1/4"	299	Brown
YRB31U28TW	350 kcmil (.681 Dia.) 37 Str. or 350 kcmil Compact (.616 Dia.) 19 Str. Al; 37 Str. Al & Cu	4/0 (.528 Dia.) 19 Str. or 250 kcmil Compact (.520 Dia.) 37 Str.							
YRB31U31TW	350 kcmil (.681 Dia.) 37 Str. or 350 kcmil Compact (.616 Dia.) 19 Str. Al; 37 Str. Al & Cu	350 kcmil (.681 Dia.) 37 Str. or 350 kcmil Compact (.616 Dia.) 19 Str. Al; 37 Str. Al & Cu							

1. Material: Aluminum.
2. Finish: Electro-tin plated.
3. Barrels are partially filled with PENETROX™ and sealed.
4. Scratch brushing of all conductors before making installation is recommended.
5. Not for use with Copper-to-Copper applications.
6. Dimensions in brackets [] are in millimeters rounded off to the nearest millimeter, unless otherwise noted and are for reference only.
7. Catalog number PT6515 Adaptor is required to use "U" dies in 45 series tools.
8. Catalog number PUADP1 Adaptor is required to use "U" dies in 46 series tools.
9. On MY293 HYTOOL™ use alum. Index plate settings as follows, for 1/0 conductor use 1/0 setting. For conductor smaller than 1/0 size use 2/0 setting.

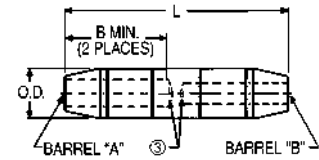
HYREDUCER™ Splice, Type YRB-U
(Continued)



Catalog Number	Conductor Range		Dimensions		O.D.	Wire Strip Length		Die Number	Color Code
	Barrel "A" Copper & Aluminum	Barrel "B" Copper & Aluminum	B Min.	L		Barrel "A"	Barrel "B"		
YRB34U25TW	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu	1/0 (.373 Dia.) 19 Str.	2.70 [69]	6.00 [152]	1.31 [33]	1-1/8"	1-1/8"	300	Pink
YRB34U28TW	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu	4/0 (.528 Dia.) 19 Str. or 4/0 Compact (.475 Dia.) 19 Str.							
YRB34U29TW	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu	250 kcmil (.575 Dia.) 37 Str.							
YRB34U30TW	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu	300 kcmil (.630 Dia.) 37 Str.							
YRB34U31TW	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu	350 kcmil (.681 Dia.) 37 Str. or 350 kcmil Compact (.616 Dia.) 19 Str. Al; 37 Str. Al & Cu							
YRB34U34TW	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu							
YRB39U31TW	700 kcmil (.964 Dia.) 61 Str., 750 kcmil (.998 Dia.) 61 Str. or 750 kcmil Compact (.908 Dia.) 61 Str.	350 kcmil (.681 Dia.) 37 Str. or 350 kcmil Compact (.616 Dia.) 19 Str. Al; 37 Str. Al & Cu	2.87 [73]	6.74 [171]	1.46 [37]	3"	3-11/16"	936	Yellow
YRB39U34TW	700 kcmil (.964 Dia.) 61 Str., 750 kcmil (.998 Dia.) 61 Str. or 750 kcmil Compact (.908 Dia.) 61 Str.	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu							
YRB39U39TW	700 kcmil (.964 Dia.) 61 Str., 750 kcmil (.998 Dia.) 61 Str. or 750 kcmil Compact (.908 Dia.) 61 Str.	700 kcmil (.964 Dia.) 61 Str., 750 kcmil (.998 Dia.) 61 Str. or 750 kcmil Compact (.908 Dia.) 61 Str.							
YRB44U31TW	1000 kcmil (1.152 Dia.) 61 Str.	350 kcmil (.681 Dia.) 37 Str. or 350 kcmil Compact (.616 Dia.) 19 Str. Al; 37 Str. Al & Cu							
YRB44U34TW	1000 kcmil (1.152 Dia.) 61 Str.	500 kcmil (.813 Dia.) 37 Str. or 500 kcmil Compact (.736 Dia.) 19 Str. Al; 37 Str. Al & Cu							
YRB44U39TW	1000 kcmil (1.152 Dia.) 61 Str.	700 kcmil (.964 Dia.) 61 Str., 750 kcmil (.998 Dia.) 61 Str. or 750 kcmil Compact (.908 Dia.) 61 Str.							
YRB44U44TW	1000 kcmil (1.152 Dia.) 61 Str.	1000 kcmil (1.152 Dia.) 61 Str.							

1. Material: Aluminum.
2. Finish: Electro-tin plated.
3. Barrels are partially filled with PENETROX™ and sealed.
4. Scratch brushing of all conductors before making installation is recommended.
5. Not for use with Copper-to-Copper applications.
6. Dimensions in brackets [] are in millimeters rounded off to the nearest millimeter, unless otherwise noted and are for reference only.
7. Catalog number PT6515 Adaptor is required to use "U" dies in 45 series tools.
8. Catalog number PUADP1 Adaptor is required to use "U" dies in 46 series tools.
9. On MY293 HYTOOL™ use alum. Index plate settings as follows, for 1/0 conductor use 1/0 setting. For conductor smaller than 1/0 size use 2/0 setting.

HYREDUCER™ Splice, Type YRB-U (Continued)



Installation (Number of Crimps per End)						
Color Code	Die Index	Hydraulic				Dieless (# of Crimps)
		35, 750 Series	46 Series	45 Series	60 Ton Series	
Tan	296	U25ART (1)	U25ART (1)	U25ART (1)	—	Mechanical: MY29 Series (1) Hydraulic: 644 Series (1), 444 Series (1)
White	298	U28ART (2)	U28ART (2)	U28ART (2)	—	
Brown	299	U31ART Overlap Crimp	U31ART Overlap Crimp	U31ART Overlap Crimp	L31ART (1)	644 Series (1) 444 Series (1)
Pink	300	U34ART Overlap Clamp	U34ART Overlap Clamp	U34ART Overlap Clamp	L34ART	
Yellow	936	U39ART2 (4)	U39ART2 (4)	U39ART2 (4)	L39ART (2)	—

1. Material: Aluminum.
2. Finish: Electro-tin plated.
3. Barrels are partially filled with PENETROX™ and sealed.
4. Scratch brushing of all conductors before making installation is recommended.
5. Not for use with Copper-to-Copper applications.
6. Dimensions in brackets [] are in millimeters rounded off to the nearest millimeter, unless otherwise noted and are for reference only.
7. Catalog number PT6515 Adaptor is required to use "U" dies in 45 Series tools.
8. Catalog number PUADP1 Adaptor is required to use "U" dies in 46 Series tools.
9. On MY293 HYTOOL™ use alum. Index plate settings as follows, for 1/0 conductor use 1/0 setting. For conductor smaller than 1/0 size use 2/0 setting.

HYREDUCER™ Splice, Type YRB-T
For Copper to Copper

Type YRB-T splice is designed for use within underground systems. Copper splices are tapered and recommended for use on copper-to-copper cables.

All splices have solid center stops for use with oil filled and non-oil filled cables.

The Outside Diameter is held constant to minimize installation dies. Rated up to 35 kV

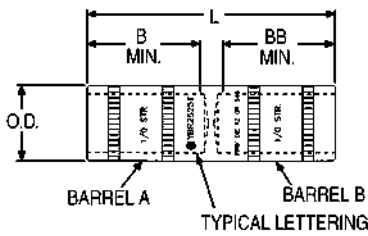


Fig. 1

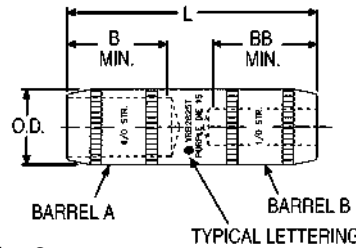


Fig. 2

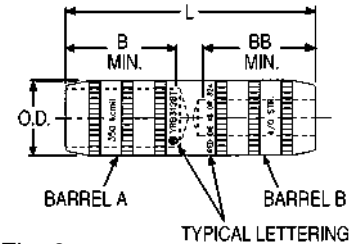


Fig. 3

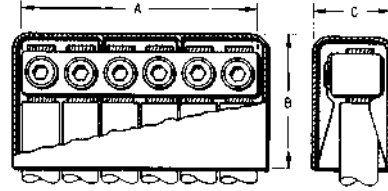
Catalog Number ② ⑦	Figure No.	Conductor Size		Dimensions			
		Barrel "A"	Barrel "B"	B Min.	BB Min.	L	O.D.
YRB2825T	2	4/0 (0.53)	1/0 (0.37)	1.16 [29]	1.16 [29]	2.84 [73]	0.69 [18]
YRB3428T	3	500 kcmil	4/0 (0.53)	1.73 [44]	1.73 [44]	4.50 [114]	1.06 [27]

② ⑦ Catalog Number	Color Code	Installation Tooling (Number of Crimps)										Dieless (# of Crimps)	Wire Strip Length
		Die Information		Mechanical			Hydraulic						
		Die Index	Type	OUR840	MD7 MD734R	MD6	35, 750 Series	BCT500, Y500CT	④ 46 Series	③ 45 Series	60 Series		
YRB2825T	Purple	Die 15	Purple Die Set	X28VT (4) X28RT (4)	X28VT (4)	X28VT (4)	U28RT (1)	—	U28RT (1)	—	L29ART (1)	Hydraulic: 644 Series (1) 444 Series (1)	1-7/32"
YRB3428T	Brown	Die 20 or 299	Brown Die Set	—	—	—	U34ART (2) U31ART (2)	W34VT (2) W34RT (2)	U34RT (2) U31ART (2)	U34RT (2) U31ART (2)	L34RT (1)	Hydraulic: 644 Series (1) 444 Series (1)	1-13/16"

- 1 Material: Copper.
- ② For Tin-Plating, add suffix "TN" to the Catalog Number (example: YRB2825TN). For Hot Tin dipped add suffix "W" to the catalog number (example: YRB2825TW).
- ③ Catalog number PT6515 Adaptor is required to use "U" type dies in the 45 series tools
- ④ Catalog number PUADP1 Adaptor is required to use "U" type dies in the 46 series tools
- 5 Dimensions in brackets [] are in millimeters rounded off to the nearest millimeter, unless otherwise specified, and are for reference only.
- ⑦ Suffix "TN" and "W" will not be stamped on part.

URD Service Tap, Type K-P-C For Copper Conductors

These compact, wide-range-taking, multiple outlet connectors are made of high conductivity copper alloy. Spherical point Allen set screws provide even clamping forces on conductors up to 4/0 Str. Each connector is supplied with an insulating cover. The mechanical clamping elements allow individual cables to be disconnected without disturbing adjacent connections.



Catalog Number			Conductor	Number of Outlets	A	B	C
Complete Assembly	Connector Only	Cover Only					
K6P28C	K6P28	KPC28	6 Str - 4/0 Str.	6	5-1/8	2-3/4	1-5/8

Table of Contents

Fundamentals of BURNDY Substation Catalog Numbering System.....	L-3
BURNDY Catalog Numbering Alpha Character Designations.....	L-4
Catalog Number Conductor Identification.....	L-5
Connector Material Identification	L-6
Terminal Pad Configurations and Catalog Number Designations	L-7
Catalog Number Suffixes, Plating, Hardware, etc.	L-8
Stud Connector Catalog Numbering	L-9
Type FCB Type E-C-G; Transformer Tap Adapters.....	L-10
Type NBXR Bolted Terminals (copper pipe or cable to pad)	L-11
Type NAS Bolted Terminals (copper cable to pad).....	L-12
Type NA Bolted Terminals (copper tube to pad)	L-13
Type NAH Bolted Terminals (copper cable to pad)	L-14
Type N2AH Bolted Terminals (two copper cables to pad)	L-15
Type VVA VARILUG™ Terminals (copper cable to pad).....	L-16
Type VV2A VARILUG™ Terminals (two copper cables to pad).....	L-17
Type VV3A VARILUG™ Terminals (three copper cables to pad).....	L-18
Type XA Copper Expansion Terminals (copper tube to pad).....	L-19
Type NAR Aluminum Terminals (cable to pad).....	L-20
Type NBC-A Aluminum T Terminals (tube to centerline tap pad).....	L-21
Type SN2A Aluminum Terminals (two cables to flat).....	L-22
Type XA-A Aluminum Expansion Terminals (expansion tube to pad).....	L-23
Type NA-A Aluminum Terminals (tube to pad).....	L-24
Type STS-A-NCG Terminal Pad Cap (one piece)	L-24
Type NS Copper Bolted Couplers, (copper straight tube to tube).....	L-25
Type XP Expansion Couplers (copper tube to tube).....	L-26
Type NS-A Aluminum Couplers (aluminum tube to tube)	L-27
Type NT T-Connectors (copper tube to tube).....	L-28
Type NSNT T-Connectors (copper tube or cable to cable).....	L-29

Table of Contents


Type NHNT T-Connector Terminals (copper tube to cable)	L-30
Type VT T-Connectors (copper cable to cable)	L-31
Type NNT Aluminum T-Connectors (aluminum and copper tube to tube).....	L-32
Type NNTR Aluminum T-Connectors (cable to cable)	L-33
Type NNTR Aluminum T-Connectors (tube to cable)	L-34
Type UH Copper Bus Supports (supporting copper tube to base).....	L-35
Type UHR Copper Bus Supports (supporting copper cable or tube to base)	L-35
Type LH Bus Supports (supporting copper cable or tube to base).....	L-36
Type LHR Bus Supports (supporting copper cable or tube to insulator)	L-36
Type UHG Aluminum Bus Supports (fixed or rigid pipe to base).....	L-37
Type UHKR-A Aluminum Bus Supports (cable or tube to base)	L-38
Type LB-A Aluminum End Caps (tube end cap).....	L-39
Type NDR Copper Stud Connectors (copper stud to cable, tube, flat bar).....	L-40
Type FD Stud Connectors (copper stud to pad).....	L-41
Type VV3D-R Stud Connectors (stud to three cables - flag).....	L-42
Type SFD Stud Connectors (stud to pad)	L-43
Type CPR-A Aluminum Spacers (two cable rigid spacer)	L-44
Type S2GGBP-A Spacers (two cables rigid spacer with grounding bar).....	L-45
Type QGFL BARTAP™ Connectors (copper cable to flat).....	L-46
Type NFXR Bolted Terminals (pipe or cable to flat).....	L-47
Type HFBW Bar Clamps (copper bar to bar).....	L-48
Type HFB-P1 Bar Clamp Assembly Components (copper bar to bar)	L-49
Type HFB-N Bar Clamp Tap Pad Adapters (copper bar to pad)	L-49


**Numerous Additional Connection Options Are Available.
Contact Customer Service
or
View the BURNDY Substation Catalog for
Additional Information**


Fundamentals of BURNDY Substation Catalog Numbering System:


Over the years, BURNDY has established an alpha-numeric catalog numbering system/structure to help describe a connector's specific use/application and type or features about the connector. This resource section should be used as a catalog numbering **guideline**. Over the years there have been many exceptions made to the BURNDY Substation Catalog Number System Structure.


The basic anatomy of a catalog number is dependent on the product family, as each family of connectors has different uses / applications and types / features. Because each product family has different uses and types, each product family's numbering scheme may have different attributes to help describe the connector. Below are a few examples of the basic alpha-numeric catalog numbering structure for six different product families.


Product Family				Terminal / Tap
Family	Conductor	Pad	Suffix	
NA	19	A4	GS	
Catalog number structure				NA19A4GS

Product Family				T-Connector
Family	Run	Tap	Suffix	
NT	16	34		
Catalog number structure				NT1634

Product Family				Bus Support
Family	Conductor	Bolt Circle	Suffix	
UHG	20A	3		
Catalog number structure				UHG20A3

Product Family				Coupler
Family	Run	Tap	Suffix	
NL	14	14	8HC	
Catalog number structure				NL14148HC

Product Family				Stud Connector
Family	Stud	Conductor	Suffix	
NDR	655	34	T12	
Catalog number structure				NDR65534T12

Product Family				Spacer
Family	Conductor	Spacing	Suffix	
CP	40A	L4		
Catalog number structure				CP40AL4

BURNDY Catalog Numbering Alpha Character Designations:

Having a fundamental understanding of the alpha character designations is important when trying to interpret the product family, which typically identifies the connector's "use" and "type". Because some alpha characters are used more than once to represent different meanings or as a place holders for product differentiation, it is important that this section be used as a **guideline**. Some alpha characters have two meanings, they can represent a connector's "use" or "type". A "use" designation (white background) would indicate the application the connector would be used in. A "type" designation (blue background) would indicate features about the connector to help describe the connector's function. Some catalog numbers have both "use" and "type" letters combined.

Terminal A	Tap B	Center Pad C	Stud Module D	Inline Coupler E	Flat Bar F
					
Grounding Stud G	Bus Support H	Heavy Duty H	Cable Expansion K	Elbow L	Body & Cap N
					
Ring shape (for Bus Sup.) O	Coupler P	Range Taking R	Streamlined S	Sliding Expansion S	T-Connector T
					
U-Shape U	V-Bolt (Clamping Element) V	Vertical Bus Sup. V	Weldment (Compression) W	Expansion X	Compression Y
					

Catalog Number Conductor Identification:

Non-Range Taking Connectors:

Typically, following the product family is the conductor size. Depending on the connector family, some connectors accommodate more than one conductor and may list two conductor sizes in the catalog number.

Range Taking Connectors:

Many substation connectors have range taking features. Range taking features allow a connector to accommodate various sizes of conductors. When a connector has a range taking feature, the catalog number will identify the largest conductor that the connector can accommodate.

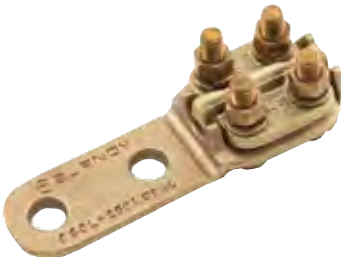
Examples:



NT1514 (Non-Range Taking)
N = Cap & Body
T = T-Connector
15 = 1.00" IPS
14 = 3/4" IPS



VV3A4044N (Range Taking)
VV3 = V-Bolt (accommodating 3 conductors)
A = Terminal
40 = 800 kcmil*
44N = 4" pad with 4 hole NEMA drilling
***Range is 500 - 800 kcmil**



NAS292N (Range Taking)
N = Cap & Body
A = Terminal
S = Streamline
29 = 250 kcmil*
2N = 2 hole NEMA pad
***Range is 6 AWG - 250 kcmil**



NVTT1844 (Range Taking)
N = Cap & Body
V = V-Bolt
TT = T-Connector (2 "T" for 2 V-Bolts)
18 = 2.00" IPS (Non-Range Taking)
44 = 1,000 kcmil* (Range Taking)
***Range is 750 - 1,000 kcmil**

PLEASE NOTE:

BURNDY offers Substation connectors that can accommodate aluminum or copper pipe tubing and aluminum or copper cable and in some cases both pipe and cable conductor.

For current carrying purposes, BURNDY connectors are designed to comply with the NEMA CC1.

Connector Material Identification:

Following the conductor size in the catalog number is typically the material designation. When the conductor size is followed by the letter "A", this typically indicates that the connector is made from aluminum. When the conductor is not followed by the letter "A", this indicates that the connector is made of copper or bronze material. Note that in some cases the "A" is not used in the catalog number for aluminum. BURNDY offers Substation connectors that can accommodate aluminum or copper pipe tubing and aluminum or copper cable.

Examples:



NA194N - Copper Terminal
N = Cap & Body
A = Terminal
19 = 2.50" IPS
4N = 4 hole NEMA pad



NA19A4N - Aluminum Terminal
N = Cap & Body
A = Terminal
19 = 2.50" IPS
A = Aluminum
4N = 4 hole NEMA pad



NS1414 - Copper Coupler
N = Cap & Body
S = Streamline
14 = 3/4" IPS
14 = 3/4" IPS



NS14A14A - Aluminum Coupler
N = Cap & Body
S = Streamline
14 = 3/4" IPS
A = Aluminum
14 = 3/4" IPS
A = Aluminum

Terminal Pad Configurations & Catalog Number Designations:

Typically, at the very end of the catalog number is the pad configuration, unless there is a suffix. Terminal pads also have alpha-numeric designations to describe the pad configuration. The standalone or first number describes the number of holes and the second number describes the terminal pad width. The “N” following the number(s) indicates that the pad is a NEMA drilled pad. NEMA is a standard that defines the hole diameters and hole spacing. The table shows the most common terminal pad configurations and the catalog numbering identification alpha-numeric scheme.

Pad description block (regular)	Pad description block (FDs)	Figure	Holes configuration	C - Pad width
2N	B	1	2 holes NEMA	-
4N	-	2	4 holes NEMA	-
34N	C	2	4 holes NEMA	3"
44N	D	3	4 holes NEMA	4"
6N	-	4	6 holes NEMA	-
56N	E	4	6 holes NEMA	5"
66N	F	5	6 holes NEMA	6"

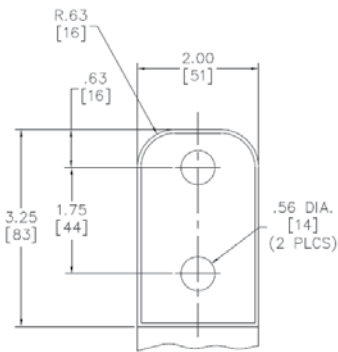


Figure 1

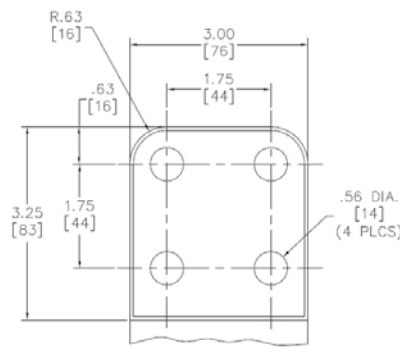


Figure 2

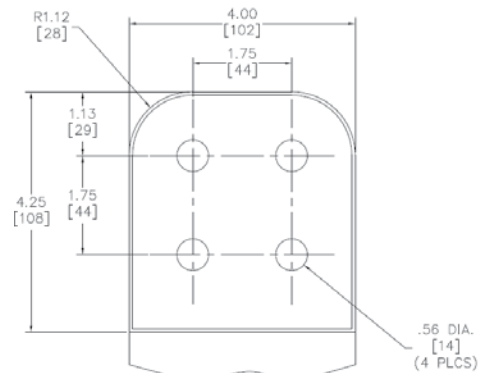


Figure 3

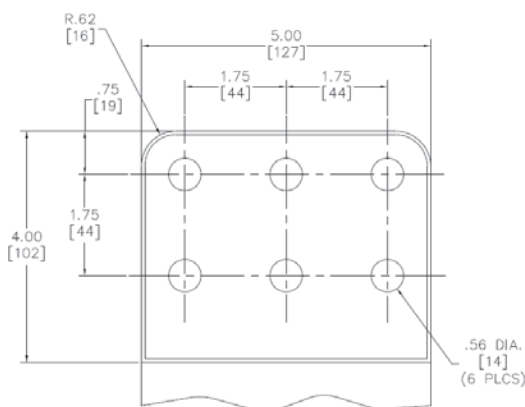


Figure 4

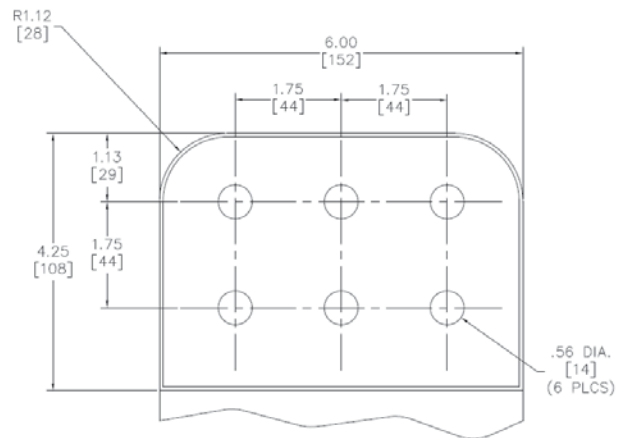


Figure 5

Catalog Number Suffixes:

Many catalog numbers have a suffix to provide additional information. The suffix could identify plating, hardware, operating voltages for streamlined connectors, etc. Below are tables listing the most common suffixes.

Plating Suffixes:

This table lists the most common plating suffixes found in the BURNDY Substation connector line.
Example: NAS292N vs. NAS292NTN (Tin plated version of the copper connector)

-TN	Electro tin plating
-BRTN	Bright electro tin plating
-W	Heavy duty electro tin plating (incl. hardware)
-SV	Silver plating
-NK	Nickel plating
-Q	Pad is finished on both sides (used in conjunction with other plating suffix)

Hardware Suffixes:

This table lists the most common hardware suffixes found in the BURNDY Substation connector offering. A catalog number with no hardware suffix will include the standard hardware for both copper and aluminum connectors.

Example: NNE14A34A vs. NNE14A34ASS (Coupler with Stainless Steel hardware)

-GS	Galvanized Steel hardware
-SS	Stainless Steel hardware
-BW	Belleville Washer
-CH	Antistatic Chatter Spring
-HC	Hex Captured hardware

Operating Voltage for Streamlined Connector Suffixes:

This table lists the most common operating voltage suffixes found in the BURNDY Substation offering.

Example: SNNE86A445A vs. SNNE86A445AS3 (S3 designates the terminal is rated for 345kV)

-S3	345kV rating
-K	cable versions for expansion items, 345kV
-S7	765V rating

G# and CG# Suffixes:

G# and CG# suffixes are used when a customer requests a connector that is similar to a product in the standard product offering, but deviates to be a standalone product within a particular family. To name these "special" connectors, BURNDY will add a G# or CG# suffix.

Example: NNE14A34AG1 or NNE14A34ACG1

Stud Connector Catalog Numbering:

Stud connectors have a different catalog numbering system in comparison to the other product families previous mentioned.

Examples:

Family	Stud Diameter	Pad Size	Pad thickness (in 1/16 of an inch)	Threads per inch of the stud (if different than 12)
FD	70	D	12	T14
Stud	3" Stud	4"x4" NEMA pad	12/16 = 3/4" thick tongue	14 threads per inch

FD70D12T14

F = Flat bar
D = Stud module
70 = 3" Stud size
D = Pad size per Pad Description block
12 = Tongue thickness (12/16" = 3/4" thick)
T14 = 14 Threads per inch



Family	Stud Diameter	Conductor	Threads per inch of the stud (if different than 12)
NDR	63	28	T13
Stud	1/2" Stud	4/0	13 threads per inch

NDR6328T13

N = Body & Cap
D = Stud module
R = Range taking
63 = 1/2" Stud size
28 = 4/0 (Range 6 AWG - 4/0)
T13 = 13 Threads per inch



Transformer Tap Adapters, Type FCB For Copper and Aluminum Tap to Pad

Material: Copper

Cast in one piece from copper alloy. Transformer tap adapter designed to accommodate from 1 to 6 NEMA drilled copper or aluminum terminal taps from a single secondary transformer outlet. Tin-plated. Order mounting hardware and tap terminals separately.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability

Catalog Number	Fig. No.	A Diameter	H Ref.	L	P
FCB634N	1	0.50	5.25	3.75	2.25
FCB636N	2	0.50	5.25	5.50	2.25
FCB644N	1	0.75	5.75	4.00	2.75
FCB646N	2	0.75	5.75	5.75	2.75
FCB654N	1	1.00	7.00	4.25	4.00
FCB632NP300	Not Shown	0.50	5.00	3.50	3.00
FCB644NP50	Not Shown	0.75	9.00	5.00	5.00

NOTE: All pads are NEMA drilled.

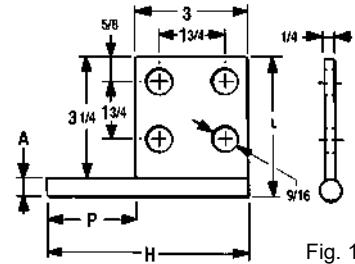


Fig. 1

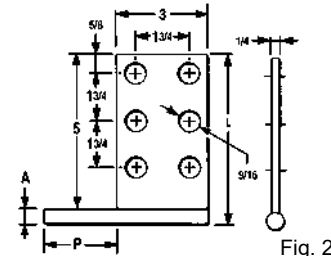


Fig. 2

Tap Adapters, Type E-C-G For Copper Cable to Tap

Material: Copper Alloy

Multi-tap, range-taking cast copper alloy connector designed to take 2, 3 or 4 conductors from a single secondary transformer outlet.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability

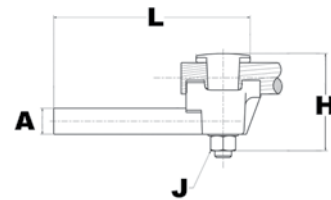
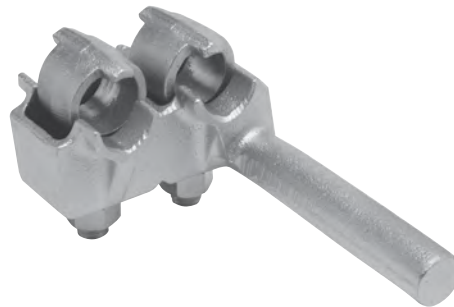


Fig.1

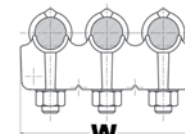


Fig.2

Catalog Number	Number of Conductors	Conductor Size	A Dia.	H	J	L	W
E2C34G1	2	1/0 -500 kcmil	0.78	3.88	1/2	6.25	3.50
E3C34G1	3						5.25
E4C34G1	4						6.88

Bolted Terminals, Type NBXR

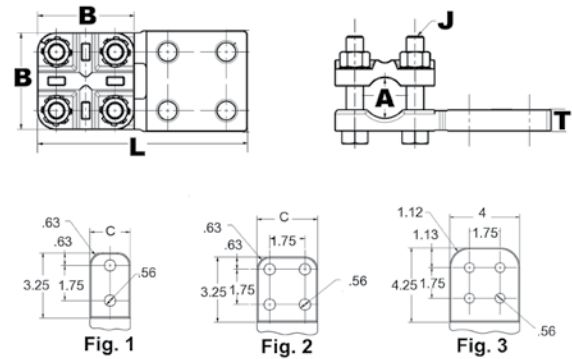
For Copper Pipe or Cable to Pad

Material: Copper Alloy
Hardware: DURIMUM™ Silicon Bronze

One of the most versatile products available. Can be used in Terminal or Tap configuration with a large variety of cable and pipes.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability



Catalog Number	Fig. #	Stranded Copper Cable	Copper Pipe (Std or EH)	B	T	L	C	J Dia.
NBXR1534NHQ	2	1/0 AWG-1250 kcmil	1/4 IPS -1 IPS	2.88	0.62	6.25	3.00	1/2
NBXR1544NHQ	3					7.19	4.00	
NBXR15CG1	2					6.25	3.00	

Bolted Terminals, Type NAS For Copper Cable to Pad

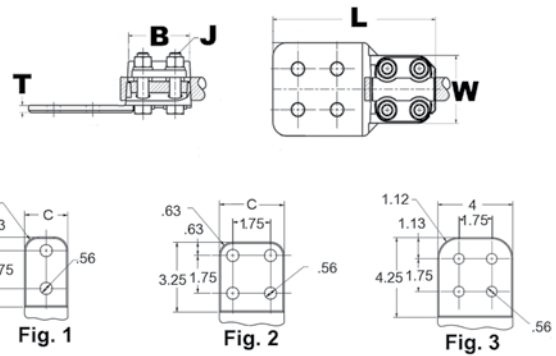
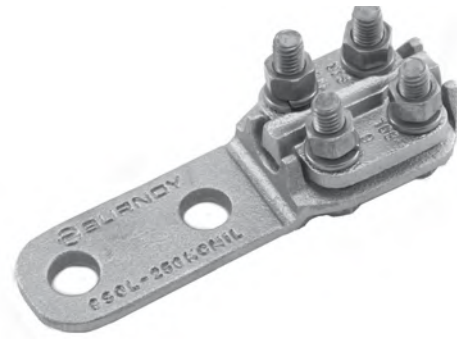
Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy reversible cap terminal for joining a wide range of cable to pads. Tongue is side formed to provide adequate clearance and terminal is designed for one-wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.
- Please contact factory for other sizes, combinations and availability.
- See NAH family for heavy duty versions.



Catalog Number	Fig. #	Copper Stranded Range	Copper Solid Range	B	J Dia.	L	C	T	W
NAS292N	1	6 AWG-250 kcmil	6 AWG-4/0 AWG	2.38	3/8	5.62	1.50	0.25	2.00
NAS2934N	2			2.38	3/8	5.62	3.00	0.25	2.00
NAS29N	—			2.38	3/8	3.88	1.25	0.25	2.00
NAS342N	1	1/0 AWG-500 kcmil	1/0 AWG-4/0 AWG	2.38	3/8	5.62	2.00	0.31	2.20
NAS3434N	2			2.38	3/8	5.62	3.00	0.25	2.20
NAS34N	—			2.38	3/8	4.12	1.50	0.25	2.20
NAS40-2N	1	2/0 AWG-800 kcmil	2/0 AWG-4/0 AWG	2.62	3/8	5.88	2.00	0.38	2.44
NAS4034N	2			2.62	3/8	5.88	3.00	0.31	2.44
NAS4044N	3			2.62	3/8	6.88	4.00	0.31	2.44

Bolted Terminals, Type NA
For Copper Tube to Pad

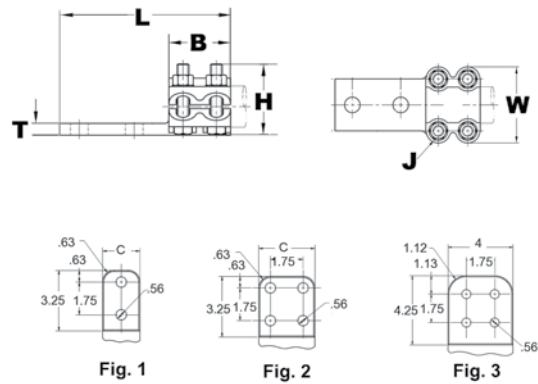
Material: Copper Alloy

Hardware: DURIIUM™ Silicon Bronze

High copper alloy terminal for joining copper tube to a flat pad. Letter "N" on end of catalog number indicates pad drilled to NEMA standards. One-wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.
- Please contact factory for other sizes, combinations and availability.



Catalog Number	Fig. #	Copper Pipe (Std or EH)	B	J Dia.	L	H	C	T	W
NA122N	1	3/8 IPS	1.38	3/8	3.75	1.50	1.50	0.25	2.13
NA132N	1	1/2 IPS	2.00		5.25	1.75	1.50	0.38	2.25
NA142N	1	3/4 IPS			5.25	2.00	1.63	0.38	2.44
NA144N	2				4.50	2.00	3.13	0.38	2.44
NA152N	1	1 IPS			5.25	2.06	1.88	0.38	2.75
NA154N	2				5.25	2.06	3.00	0.38	2.75
NA162N	1	1 1/4 IPS		2.69	1/2	5.94	2.56	2.25	0.44	3.50
NA164N	2		5.94			2.56	3.00	0.44	3.50
NA172N	1		5.94			2.75	2.50	0.50	3.94
NA1744NHQ	3	1 1/2 IPS	7.07			3.09	4.00	0.50	3.82
NA174N	2	1 1/4 IPS	5.94			2.75	3.00	0.50	3.94
NA182N	1	2 IPS	5.94			3.12	2.75	0.50	4.62
NA184N	2		5.94	3.13	3.13	0.50	4.63		
NA1944N	3	2 1/2 IPS	7.19	3.74	4.00	0.69	5.24		
NA1944NHQ	3		7.09	3.96	4.00	0.75	5.12		
NA194N	2		5.94	3.69	3.75	0.69	5.25		
NA194N90CG2	2		2 1/2 IPS	6.50	3.62	3.75	0.69	5.25	
NA204N	2	3 IPS	3.25	5/8	6.56	4.38	4.38	0.69	6.19
NA214N	2	3 1/2 IPS			6.56	4.94	4.75	0.81	6.81
NA224N	2	4 IPS			6.56	5.50	5.25	0.81	7.44

Bolted Terminals, Type NAH For Copper Cable to Pad

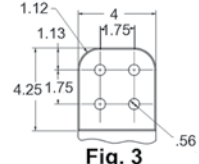
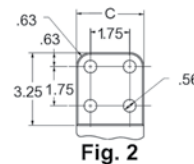
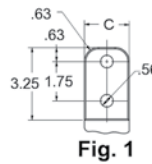
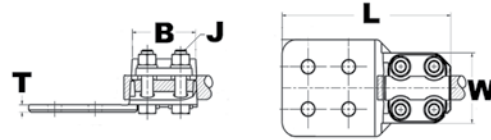
Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

Copper alloy terminal for joining a wide range of cable to equipment pads. Tongue side formed to provide adequate clearance and terminal is designed for one-wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.
- Please contact factory for other sizes, combinations and availability



Catalog Number	Fig. #	Copper Stranded Range	Copper Solid Range	B	J Dia.	L	C	T	W					
NAH292N	1	6 AWG-250 kcmil	6 AWG-4/0 AWG	2.62	1/2	5.88	1.50	0.25	2.44					
NAH2934N	2						3.00							
NAH342N	1	1/0 -500 kcmil	1/0 AWG-4/0 AWG				2.00	0.31	2.56					
NAH3434N	2						3.00	0.25						
NAH402N	1	2/0 AWG-800 kcmil	3/0 AWG-4/0 AWG				2.88	1/2	6.88	2.00	0.38	2.81		
NAH4034N	2									3.00	0.31			
NAH4044N	3			4.00										
NAH442N	1	4/0 AWG-1000 kcmil	N/A	3.06	1/2	6.12				2.00	0.44	2.88		
NAH4434N	2									3.00	0.38			
NAH4444N	3									7.12	4.00		0.31	
NAH462N	1	1000 kcmil-1500 kcmil					N/A	3.25	1/2	6.31	2.00	0.50	3.19	
NAH4634N	2										3.00	0.41		
NAH4644N	3										7.31	4.00		0.38
NAH482N	1	500 kcmil-2000 kcmil	N/A	3.75	5/8	7.12					2.00	0.69	3.38	
NAH4834N	2										6.50	3.00		0.50
NAH4844N	3										7.50	4.00		0.44
NAH4862N	1	2000 kcmil-2500 kcmil					N/A	3.75	5/8	7.12	3.00	0.63	3.96	
NAH48634N	2													

Bolted Terminals, Type N2AH
For Two Copper Cables to Pad

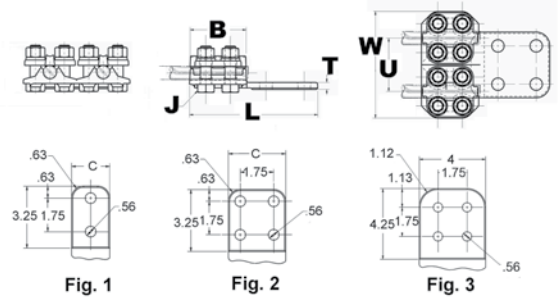
Material: Copper Alloy

Hardware: DURIIUM™ Silicon Bronze

High copper alloy reversible cap terminal for joining a wide range of cable to pads. Tongue is side formed to provide adequate clearance and terminal is designed for one wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.
- Please contact factory for other sizes, combinations and availability.



Catalog Number	Fig. #	Copper Stranded Range	Copper Solid Range	B	J Dia.	L	C	T	W	U
N2AH292N	1	6 AWG-250 kcmil	6 AWG-4/0 AWG	2.62	1/2	5.87	1.50	0.32	4.88	2.44
N2AH2934N	2	6 AWG-250 kcmil	6 AWG-4/0 AWG	2.62	1/2	5.87	3.00	0.32	4.88	2.44
N2AH342N	1	1/0 AWG-500 kcmil	1/0 AWG-4/0 AWG	2.62	1/2	5.87	2.00	0.32	5.44	2.88
N2AH3434N	2	1/0 AWG-500 kcmil	1/0 AWG-4/0 AWG	2.63	1/2	6.13	3.00	0.38	5.40	2.88
N2AH3444N	3	1/0 AWG-500 kcmil	1/0 AWG-4/0 AWG	2.63	1/2	7.00	4.00	0.38	5.38	2.88
N2AH4034N	2	2/0 AWG-800 kcmil	2/0 AWG-4/0 AWG	2.63	1/2	5.88	3.00	0.38	5.70	2.92
N2AH4434N	2	4/0 AWG-1000 kcmil	4/0 AWG	2.88	1/2	6.38	3.00	0.50	6.12	3.12
N2AH4444N	3	4/0 AWG-1000 kcmil	4/0 AWG	2.88	1/2	7.32	4.00	0.50	6.12	3.12
N2AH4444NHQ	3	4/0 AWG-1000 kcmil	4/0 AWG	2.88	1/2	7.20	4.00	0.50	6.12	3.12
N2AH4644N	3	1000 kcmil-1500 kcmil	N/A	3.07	1/2	7.46	4.00	0.75	6.50	3.36
N2AH4844N	3	1000 kcmil-1500 kcmil	N/A	3.25	1/2	7.62	4.00	0.75	9.50	4.00

VARILUG™ Terminals, Type VVA For Copper Cable to Pad

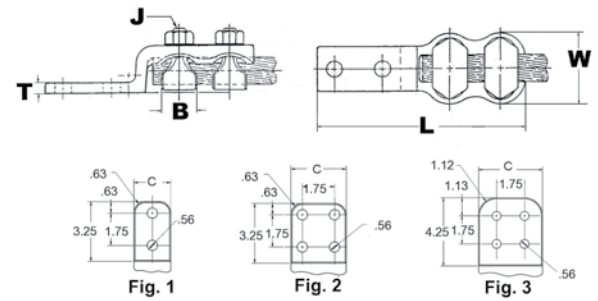
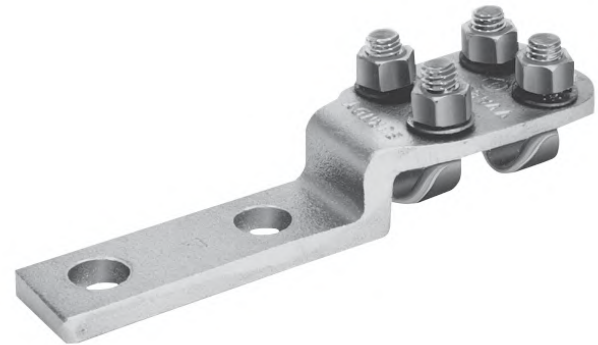
Material: Bronze Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy terminal for joining a wide range of cable to equipment pads or bar. Particularly suitable for use on extra flexible cable. One-wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability



Catalog Number*	Fig. #	Copper Stranded Range	Copper Solid Range	C	B	J Dia.	L	T	W
VVA2C	—	8 AWG-2 AWG	8 AWG-2 AWG	0.81	0.81	3/8	4.06	0.25	1.00
VVA25	—	6 AWG-1/0	6 AWG-1/0 AWG	0.88	0.88	3/8	4.31	0.25	1.19
VVA252	—	1/0 AWG-4/0 AWG		0.88	0.88	3/8	5.06	0.25	1.19
VVA28	—		1.06	1.09	3/8	4.13	0.31	1.69	
VVA282N	1		1.06	1.09	3/8	6.19	0.31	1.69	
VVA30	—	300 kcmil	1/0 AWG-4/0 AWG	1.13	1.09	7/16	4.63	0.31	1.94
VVA302N	1			1.13	1.09	7/16	6.56	0.31	1.94
VVA304N	2			3.00	1.09	7/16	6.75	0.38	1.91
VVA34	—	300 kcmil-500 kcmil	N/A	1.38	1.31	1/2	5.31	0.38	2.25
VVA342N	1			1.30	1.31	1/2	6.88	0.38	2.22
VVA344	—			1.88	1.31	7/16	5.75	0.38	2.25
VVA344N	2			3.13	1.31	7/16	7.00	0.38	2.38
VVA40	—	500 kcmil-800 kcmil		1.63	1.34	9/16	6.38	0.38	2.63
VVA402N	1			1.62	1.34	9/16	7.69	0.38	2.62
VVA404N	2			3.00	1.34	9/16	7.69	0.38	2.62
VVA404NCG1	—			3.50	0.88	9/16	7.69	0.38	2.62
VVA442N	1	750 kcmil-1000 kcmil		1.88	1.41	5/8	8.12	0.50	2.88
VVA444N	2			3.00	1.41	5/8	8.06	0.50	2.88
VVA462N	1	1000 kcmil-1500 kcmil	2.25	2.00	5/8	8.69	0.56	3.25	
VVA464NCG2	—		3.50	2.00	5/8	8.75	0.56	3.25	
VVA464NCG4	—		3.50	2.00	5/8	5.50	0.56	3.23	
VVA482N	1		1500 kcmil-2000 kcmil	2.62	2.25	3/4	9.23	0.62	3.75

* "N" indicates NEMA standard stud holes.

VARILUG™ Terminals, Type VV2A
Two Copper Cables to Pad

Material: Copper Alloy

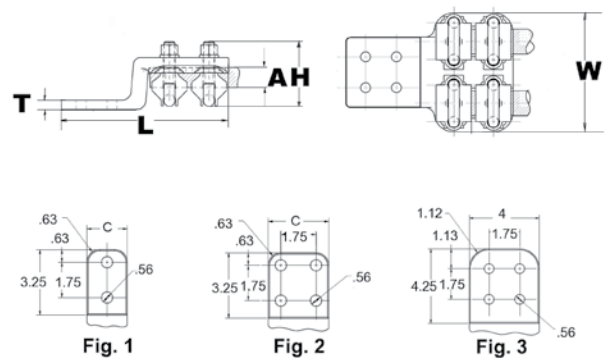
Hardware: DURILIUM™ Silicon Bronze

Twin V elements to secure joint against vibration and flexing. Particularly recommended for use on extra flexible cables. One-wrench installation.



Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability



Catalog Number	Fig. #	Copper Stranded Range	L	C	T	W	H
VV2A344N	2	300 kcmil-500 kcmil	5.50	3.50	0.38	5.12	2.62
VV2A34CG1	2		5.75	3.00	0.38	5.12	2.62
VV2A4044N	3	500 kcmil-800 kcmil	9.06	4.00	0.50	5.56	1.75
VV2A46CG1	2	1000 kcmil-1500 kcmil	8.75	3.50	0.56	6.75	4.00

VARILUG™ Terminal, Type VV3A

Three Copper Cables to Pad

Material: Copper Alloy

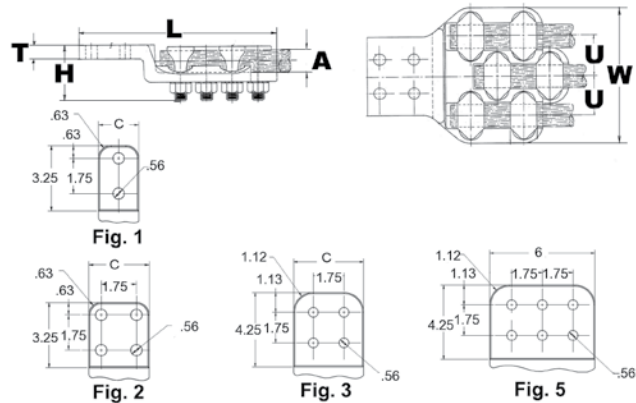
Hardware: DURIMUM™ Silicon Bronze

Type VV3A has three V elements to secure joint against vibration and flexing. Particularly recommended for use on extra flexible cables. One-wrench installation.



Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability
- Items with -90 and -45 have oriented pad, respectively 90° and 45°



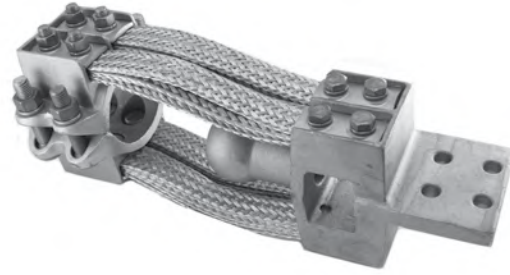
Catalog Number	Fig. #	Copper Stranded Range	T	Pad Angle	L	C	H	U	W
VV3A46CG1	2	1000 kcmil-1500 kcmil	0.84	—	8.75	3.50	3.79	3.52	10.25
VV3A46CG2	2		0.63	—	10.19	5.25	3.93	3.50	10.25
VV3A46CG3	2		1.28	90°	5.84	5.25	6.28	3.50	10.25

Copper Expansion Terminals, Type XA
For Copper Tube to Pad

Material: Copper Alloy

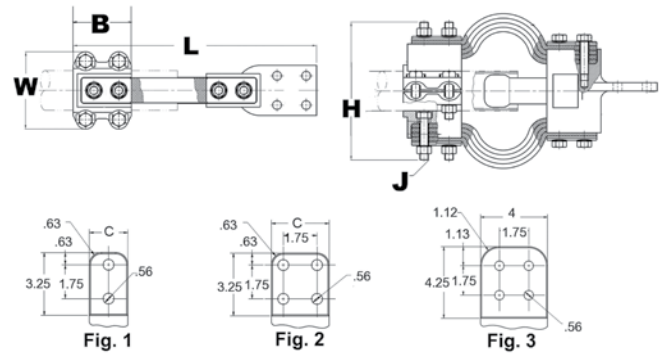
Hardware: DURILIUM™ Silicon Bronze

High copper alloy expansion terminal for tube to flat. Provides for longitudinal movement of tubing. Extra flexible braid carries full load of joint. One-wrench installation.



Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.
- Please contact factory for other sizes, combinations and availability.
- Installation instructions available upon request.



Catalog Number	Fig. #	Copper Pipe (Std)	Copper Pipe (EH)	B	C	J Dia.	L	H	W
XA132N	1	1/2 IPS	N/A	3.00	1.50	3/8	12.00	3.88	3.06
XA142N	1	3/4 IPS			1.63	3/8	12.00	4.06	3.13
XA144N	2				3.00	3/8	12.50	4.12	3.12
XA152N	1	1 IPS			1.88	3/8	12.75	4.31	3.13
XA154N	2				3.00	3/8	12.75	4.31	3.13
XA162N	1	1 1/4 IPS			2.25	1/2	14.50	5.81	4.31
XA164N	2			3.00	1/2	14.75	5.81	4.31	
XA172N	1	1 1/2 IPS		2.50	1/2	15.00	6.06	4.31	
XA174N	2			3.00	1/2	15.25	6.06	4.31	
XA184N	2	2 IPS		3.00	1/2	15.25	7.00	4.62	
XA194N	2	2 1/2 IPS		3.75	1/2	16.13	7.50	5.25	
XA204N	2	3 IPS		4.38	5/8	16.69	7.94	6.50	
XA214N	2	3 1/2 IPS		4.75	5/8	16.94	8.25	6.81	
XA224N	2	4 IPS		5.25	5/8	17.00	9.44	7.44	
XA574N	2	N/A	1 1/2 IPS	3.50	3.00	1/2	14.38	6.44	4.31
XA594N	2		2 1/2 IPS	4.00	3.75	1/2	14.75	9.56	5.25

Aluminum Terminals, Type NAR

For Cable to Pad

Material: Aluminum Alloy

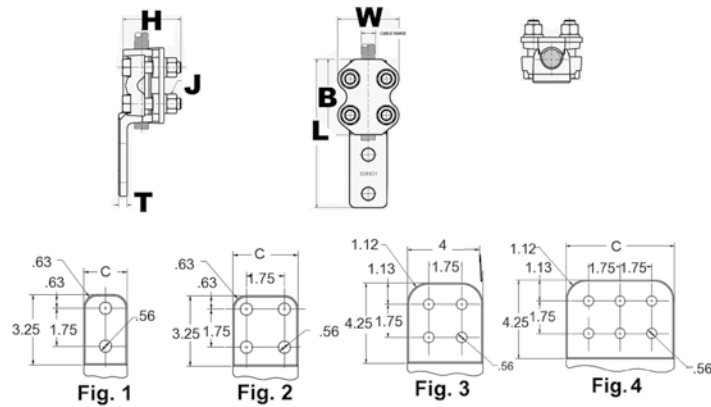
Hardware: Aluminum



Aluminum alloy bolted type terminal for joining aluminum cable to copper or aluminum pads. Drilling in pad conforms to NEMA Standards. PENETROX™ joint compound recommended on contact surfaces.

Notes :

- Properly proportioned to minimize conductor corrosion due to galvanic action. When properly used, this item does not require use of bimetallic plates; Please contact BURNDY Technical Support for recommendations
- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations, and availability
- One wrench installation



Catalog Number	Fig. #	Aluminum Stranded	Aluminum ACSR	B	J Dia.	L	H	C	T	W
NAR25A2N	1	4 AWG-1/0 AWG	4 (6/1) Swan AWG-1/0 (6/1) Raven AWG	2.00	1/2	5.10	2.72	1.25	0.31	2.28
NAR29A2N	1	1/0 AWG-250 kcmil	1/0 (6/1) Raven AWG-4/0 (6/1) Penguin AWG	2.75	1/2	6.06	2.75	1.38	0.31	2.50
NAR29A4N	2			2.88	1/2	6.06	2.75	3.00	0.31	3.00
NAR32A2N	1	250 kcmil-400 kcmil	4/0 (6/1) Penguin AWG-397.5 (30/7) Larkspur kcmil	3.00	1/2	6.31	2.88	1.63	0.38	2.63
NAR32A4N	2			3.00	1/2	6.31	2.88	3.00	0.38	3.00
NAR36A2N	1	350 kcmil-600 kcmil	336.4 (30/7) Oriole kcmil-477. (30/7) Hen kcmil	3.25	1/2	6.63	2.81	1.69	0.38	2.75
NAR36A4N	2			3.25	1/2	6.63	2.81	3.00	0.38	3.00
NAR42A2N	1	600 kcmil-900 kcmil	477. (30/7) Hen kcmil-795 (30/19) Mallard kcmil	3.50	1/2	6.81	3.31	2.00	0.50	3.00
NAR42A4N	2			3.50	1/2	6.81	3.31	3.00	0.50	3.00
NAR45A2N	1	900 kcmil-1250 kcmil	715.5 (30/19) Redwing kcmil-1113 (54/19) Finch kcmil	2.63	1/2	7.12	3.31	2.63	0.50	3.20
NAR45A4N	2			3.75	1/2	7.12	3.31	3.00	0.50	3.20
NAR46A2N	1	1250 kcmil-1600 kcmil	1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil	4.38	5/8	7.69	3.69	2.75	0.56	3.75
NAR46A4N	2			4.38	5/8	7.69	3.69	3.00	0.56	3.75
NAR48A2N	1	1500 kcmil-2000 kcmil	1272 (54/19) Pheasant kcmil-1780 (54/19) kcmil	4.50	5/8	7.88	3.94	2.75	0.69	3.88
NAR48A4N	2			4.50	5/8	7.88	3.94	3.00	0.69	3.88

Aluminum T Terminal, Type NBC-A
For Tube to Centerline Tap Pad

Material: Aluminum Alloy

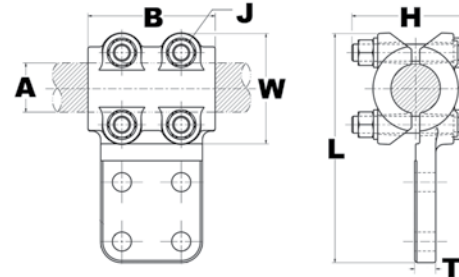
Hardware: Aluminum

Aluminum alloy bolted type terminal for joining aluminum tube to copper or aluminum pads. Drilling in pad conforms to NEMA Standards. PENETROX™ joint compound recommended on contact surfaces.



Notes :

- Properly proportioned to minimize conductor corrosion due to galvanic action. When properly used, this item does not require use of bimetallic plates; Please contact BURNDY Technical Support for recommendations
- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations, and availability
- One wrench installation



Catalog Number	Fig. #	Al tube	B	J Dia.	L	H	T
NBC14A2N	1	3/4 IPS	3.25	1/2	6.56	3.50	3/8
NBC15A2N	1	1 IPS	3.50	1/2	6.81	3.00	3/8
NBC15A34N	2		3.50	1/2	6.81	3.00	3/8
NBC16A2N	1	1 1/4 IPS	3.75	1/2	7.15	3.25	3/8
NBC16A34N	2		3.75	1/2	7.15	3.25	3/8
NBC16A44N	3		3.75	1/2	8.15	3.25	3/8
NBC17A2N	1	1 1/2 IPS	4.00	1/2	7.39	3.50	3/8
NBC17A34N	2		4.00	1/2	7.39	3.50	3/8
NBC17A44N	3		4.00	1/2	8.39	3.50	3/8
NBC18A2N	1	2 IPS	4.25	5/8	8.25	4.00	3/8
NBC18A34N	2		4.25	5/8	8.25	4.00	3/8
NBC18A44N	3		4.25	5/8	9.25	4.00	3/8
NBC19A34N	2	2 1/2 IPS	4.50	5/8	8.75	4.50	1/2
NBC19A44N	3		4.50	5/8	9.75	4.50	1/2
NBC20A2N	1	3 IPS	5.00	5/8	9.37	4.50	1/2
NBC20A34N	2		5.00	5/8	9.37	4.50	1/2
NBC20A44N	3		5.00	5/8	10.37	4.50	1/2
NBC21A44N	3	3 1/2 IPS	5.50	5/8	10.89	5.00	5/8
NBC22A2N	1	4 IPS	6.00	5/8	10.38	5.50	5/8
NBC22A34N	2		6.00	5/8	10.37	5.50	5/8
NBC22A44N	3		6.00	5/8	11.37	5.50	5/8
NBC24A2N	1	5 IPS	7.00	5/8	12.45	6.00	5/8
NBC24A34N	2		7.00	5/8	12.45	6.00	5/8
NBC24A44N	3		7.00	5/8	13.45	6.00	5/8
NBC86A44N	3	6 IPS	8.00	5/8	13.51	7.25	3/4

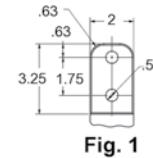


Fig. 1

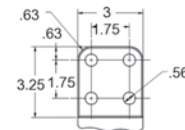


Fig. 2

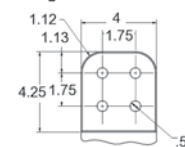


Fig. 3

Aluminum Terminal, Type SN2A

Two Cables to Flat

Material: Aluminum Alloy

Hardware: Aluminum

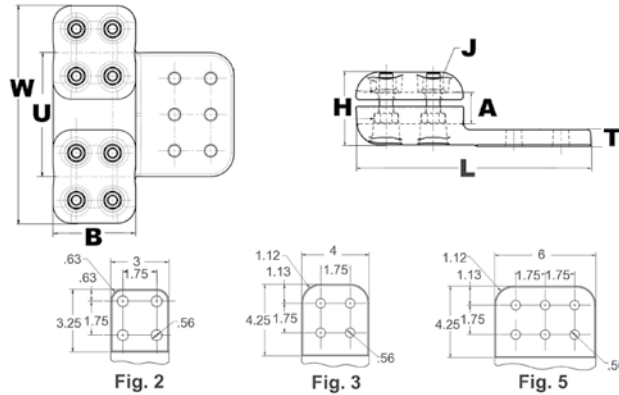
Aluminum alloy streamlined terminal for joining a wide range of (2) bundle aluminum cables to flat. Properly proportioned to minimize conductor corrosion due to galvanic action. Drilling in pads conforms to NEMA standards.

EHV RATED: SELF-SHIELDING UP TO 550 kV



Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations and availability
- Use shielding caps for high voltage applications (STS family). Shielding caps may be purchased separately
- One-wrench installation.



Catalog Number	Fig. #	Aluminum Stranded	Aluminum ACSR	B	J Dia.	U	L	H	T	W
SN2A445A4N	2	1033 kcmil- 1113 kcmil	954 (45/7) Rail kcmil- 1033.5 (45/7) Ortolan kcmil	3.75	1/2	4.85	7.38	2.78	.69	9.45
SN2A44A44N	3	954 kcmil	795 (54/7) Condor kcmil- 874.5 (54/7) Crane kcmil	3.75	1/2	4.77	7.38	2.74	.66	9.29
SN2A44A4N	2			3.75	1/2	4.77	7.38	2.74	.66	9.29
SN2A45A44N	3	1192 kcmil- 1272 kcmil	1033.5 (54/7) Curlew kcmil- 1192.5 (54/19) Grackle kcmil	4.88	1/2	6.00	8.62	3.28	.81	9.25
SN2A45A4N	2			3.75	1/2	5.00	7.38	2.73	.69	9.75
SN2A48A44N	3	1500 kcmil- 2000 kcmil	1272 (54/19) Pheasant kcmil- 1780 (54/19) kcmil	4.00	1/2	5.25	10.25	2.60	.81	8.75
SN2A48A4NGS	2			3.75	1/2	5.25	7.38	2.87	.81	10.25

Aluminum Expansion Terminal, Type XA-A
For Expansion Tube to Pad

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy expansion connector for joining tube to copper or aluminum bar or equipment pads. Flexible aluminum straps allow for longitudinal or lateral movement and carries full current load of the joint. PENETROX™ joint compound recommended on contact surfaces. Pad contact surface is on centerline of conductor.

Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- One side of pad finished on centerline of tubing; for finished pads on both sides add suffix "-Q" to catalog number

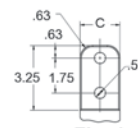
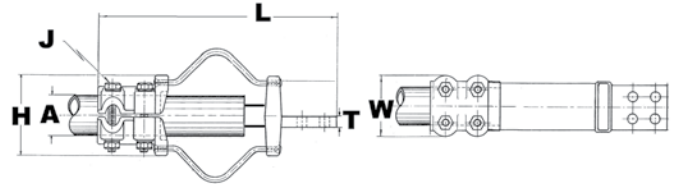
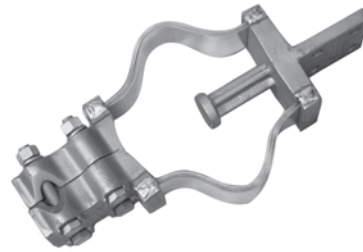


Fig. 1

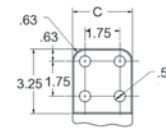


Fig. 2

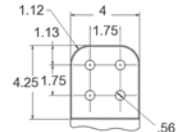


Fig. 3

Catalog Number *	Fig. #	Al tube Schd 40	C	J Dia.	L	H	T	W
XA15A4N	2	1 IPS	3.00	1/2	13.19	3.70	0.38	3.06
XA16A4N	2	1 1/4 IPS	3.00	1/2	13.62	4.00	0.44	3.41
XA18A4N	2	2 IPS	3.12	5/8	15.50	5.26	0.50	4.50
XA19A4N	2	2 1/2 IPS	3.75	5/8	16.94	5.72	0.69	5.00
XA20A4N	2	3 IPS	4.38	5/8	18.52	6.80	0.69	5.62
XA21A4N	2	3 1/2 IPS	4.75	5/8	20.00	7.60	0.81	6.12
XA22A4N	2	4 IPS	5.25	5/8	21.00	8.16	0.81	6.62
XA24A4N	2	5 IPS	6.50	5/8	24.15	9.74	0.81	7.69

* Conforms to 4-hole NEMA mounting standards.

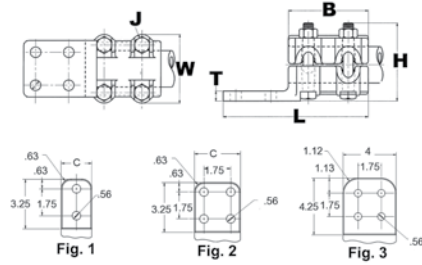
Substation - Bolted

Aluminum Terminal, Tube to Pad; Type NA-A
Terminal Pad Cap, Type STS-A-NCG (one piece)

Aluminum Terminals, Type NA-A For Tube to Pad

Material: Aluminum Alloy

Hardware: Aluminum



Aluminum alloy terminal for joining copper or aluminum tube to copper or aluminum pad.

Notes :

- Properly proportioned to minimize conductor corrosion due to galvanic action. When properly used, this item does not require use of bimetallic plates; Please contact BURNDY Technical Support for recommendations
- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations, and availability
- One wrench installation

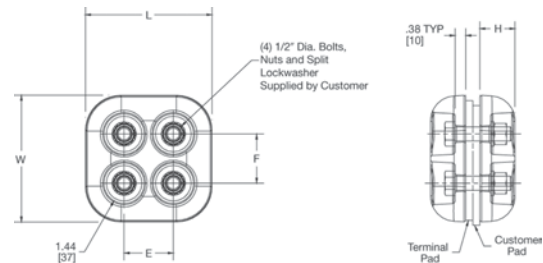
Catalog Number	Al tube	B	C	J Dia.	L	H	T	W
NA15A2N	1 IPS	3.50	1.88	1/2	6.75	3.38	0.38	3.06
NA15A4N		3.50	3.00	1/2	6.75	3.38	0.38	3.06
NA16A2N	1 1/4 IPS	3.75	2.25	1/2	7.00	3.38	0.44	3.40
NA17A2N	1 1/2 IPS	4.00	2.50	1/2	7.50	3.88	0.50	3.64
NA17A4N		4.00	3.00	1/2	7.50	3.88	0.50	3.64
NA18A2N	2 IPS	4.25	2.75	5/8	7.50	4.47	0.50	4.50
NA18A4N		4.25	3.12	5/8	7.50	4.47	0.50	4.50
NA19A4N	2 1/2 IPS	4.50	3.75	5/8	7.75	4.97	0.69	5.00
NA20A4N	3 IPS	5.00	4.38	5/8	8.31	5.47	0.69	5.62
NA22A4N	4 IPS	6.00	5.25	5/8	9.31	6.22	0.81	6.62

Type STS-A-NCG, Single Piece Terminal Pad Cap; EHV

Bolted 1-piece terminal pad cap of cast Aluminum; Stainless Steel Hardware.

Material: Aluminum Alloy

EHV Rated: Self Shielding at operating voltages up to 500 kV



Catalog Number	E	F	H	L	W	Maximum Shielded Area
STS44ACG10	1.75 [44]	1.75 [44]	1.50 [38]	4.00 [102]	4.00 [102]	3.5 x 3.5
STS44A4NCG2	1.75 [44]	1.75 [44]	1.25 [32]	4.50 [114]	4.50 [114]	4 x 4
STS46A6NCG1	1.75 [44]	1.75 [44]	1.25 [32]	4.50 [114]	6.50 [165]	6 x 4

NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Catalog number is for one shielding cap only. If more than one is required, specify total quantity.

Copper Bolted Couplers, Type NS
For Copper Straight Tube to Tube

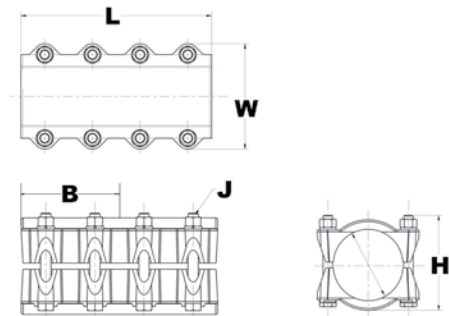
Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy coupler for joining equal sizes of tube end to end. Slots between bolts provide independent high pressure areas of contact. One-wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating; -W for extra thick tin plating (including hardware)
- Items with -HC suffix have hex head bolts; items without the suffix can be either hex head or oval shank head; both head styles are one wrench installation and offer the same clamping force and functionalities
- Please contact factory for sizes, combinations and availability



Catalog Number	Copper Conductor	B	J Dia.	L	H	W
NS1212	3/8 IPS	1.50	3/8	3.00	1.44	1.94
NS1313	1/2 IPS	1.63	3/8	3.25	1.69	2.25
NS14148HC	3/4 IPS	2.69	1/2	5.75	2.32	2.81
NS1414HC		2.69	3/8	5.38	2.32	2.81
NS1515	1 IPS	2.13	3/8	4.25	2.13	2.75
NS1515HC		2.69	1/2	5.62	2.32	3.25
NS1515HCHQ		2.69	1/2	5.63	2.36	3.22
NS1616HC	1 1/4 IPS	2.69	1/2	5.75	2.57	3.50
NS1717	1 1/2 IPS	2.88	1/2	5.75	2.75	3.94
NS1717HC		2.69	1/2	5.75	2.81	3.94
NS1717HCHQ		2.69	1/2	5.75	2.61	3.94
NS1818	2 IPS	2.88	1/2	5.75	3.31	4.63
NS1818CG2		2.69	1/2	5.36	3.06	4.62
NS1818HC		2.69	1/2	5.75	3.31	4.62
NS1919	2 1/2 IPS	2.88	1/2	5.75	3.88	5.25
NS1919HC		2.69	1/2	5.75	3.96	5.25
NS1919HCHQ		2.69	1/2	5.75	3.56	5.18
NS2020	3 IPS	3.63	5/8	7.25	4.63	6.19
NS2020HC		3.25	5/8	7.25	4.64	6.19
NS2121	3 1/2 IPS	4.00	5/8	8.00	5.19	6.81
NS2121HC		3.25	5/8	7.25	5.20	6.81
NS2222	4 IPS	4.25	5/8	8.50	5.75	7.44
NS2222HC		3.25	5/8	7.25	5.76	7.44

Expansion Couplers, Type XP For Copper Tube to Tube

Material: Copper Alloy

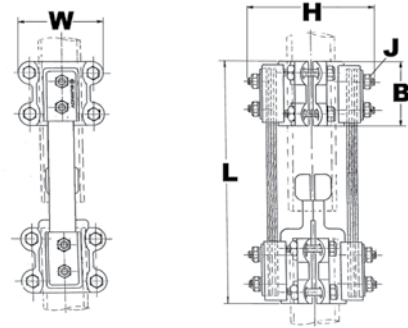
Hardware: DURIMUM™ Silicon Bronze

High copper alloy T-connector for cable run, cable tap. V-bolt clamping elements
High alloy copper expansion coupler for joining equal size tube on end. Extra flexible
tinned copper braid allows longitudinal movement of the tube. Type XP has alignment
guide. One-wrench installation.



Notes :

- Items with “-HC” suffix have hex head bolts; items without the suffix can be either hex head or oval shank head; Both head styles are one wrench installation and offer the same clamping force and functionalities
- Installation instructions available upon request
- For other sizes or configurations, please call factory



Catalog Number	Copper Pipe Size	Copper EH Pipe Size	B	J Dia.	L	H	W
XP1313	1/2 IPS	—	3.00	3/8	8.75	3.88	3.06
XP1414	3/4 IPS	—			8.75	4.06	3.13
XP1515	1 IPS	—			9.50	4.31	3.13
XP1616	1 1/4 IPS	—	3.50	1/2	11.50	5.81	4.31
XP1717	1 1/2 IPS	—			12.00	6.44	4.31
XP1818	2 IPS	—			12.00	7.00	4.63
XP1919	2 1/2 IPS	—	4.00	5/8	13.00	8.50	5.25
XP1919HC		—			13.00	8.50	5.25
XP2020	3 IPS	—	4.00	5/8	13.50	7.75	6.50
XP2121	3 1/2 IPS	—			13.63	8.00	6.81
XP2222	4 IPS	—			13.63	9.06	7.44
XP5656	1 1/4 IPS	1 1/4 IPS	3.50	1/2	11.56	5.82	4.24

Aluminum Couplers, Type NS-A
For Aluminum Tube to Tube

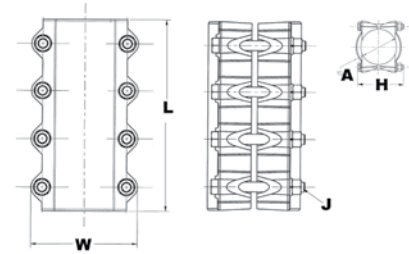
Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy coupler for joining equal sizes of tube end to end. Properly proportioned to permit use on aluminum-copper conductor combinations. One-wrench installation. PENETROX™ joint compound recommended on contact surfaces.

Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations, and availability



Catalog Number	A - tube	J Dia.	L	H	W
NS14A14A	3/4 IPS	1/2	6.75	2.06	2.80
NS15A15A	1 IPS		7.25	2.18	3.06
NS16A16A	1 1/4 IPS		7.75	3.50	3.41
NS17A17A	1 1/2 IPS		8.25	4.00	3.64
NS18A18A	2 IPS	5/8	8.75	4.62	4.50
NS19A19A	2 1/2 IPS		9.31	4.26	5.00
NS20A20A	3 IPS		10.25	5.62	5.63
NS21A21A	3 1/2 IPS		8.00	5.25	6.14
NS22A22A	4 IPS		12.00	5.94	6.62
NS23A23A	4 1/2 IPS		13.25	6.38	7.14
NS24A24A	5 IPS		14.38	6.94	7.70
NS86A86A	6 IPS		16.25	8.04	8.76

T-Connector, Type NT

For Copper Tube to Tube: T Application

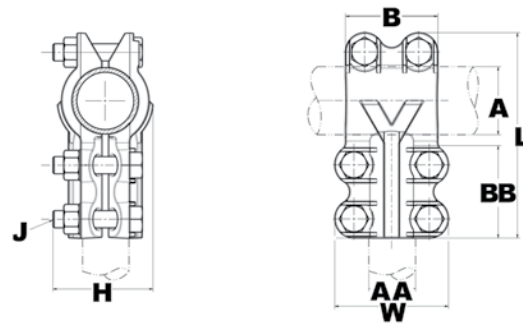
Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy T-Connector for tubing run and tap. Slots between bolts provide independent high-pressure areas of contact. One-wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Items with -HC suffix have hex head bolts; items without the suffix can be either hex head or oval shank head. Both head styles are one wrench installation and offer the same clamping force and functionalities
- Please contact factory for other sizes, combinations and availability
- One-wrench installation.



Catalog Number	A Run Copper Pipe	AA Tap Copper Pipe	B	J Dia.	BB	L	H	W		
NT1313	1/2 IPS	1/2 IPS	2.00	3/8	2.00	4.13	1.94	2.44		
NT1413	3/4 IPS	1/2 IPS			2.00	4.13	1.94	2.25		
NT1414		3/4 IPS			2.00	4.13	1.94	2.44		
NT1514	1 IPS	3/4 IPS			2.69	1/2	2.00	4.38	2.13	2.44
NT1515		1 IPS					2.00	4.44	2.13	2.75
NT1614	1 1/4 IPS	3/4 IPS					2.00	4.75	2.44	2.44
NT1615		1 IPS	2.00	4.75			2.44	2.75		
NT1616		1 1/4 IPS	2.69	5.69			2.63	3.50		
NT1714	1 1/2 IPS	3/4 IPS	2.00	3/8			2.00	5.06	2.69	2.44
NT1715		1 IPS			2.00	5.06	2.69	2.75		
NT1717		1 1/2 IPS			2.69	6.06	2.75	3.94		
NT1816	2 IPS	1 1/4 IPS	2.69	1/2	2.69	6.56	2.69	3.50		
NT1817		1 1/2 IPS			2.69	6.63	3.25	3.94		
NT1818		2 IPS			3.06	2.69	6.69	3.31	4.62	
NT1919	2 1/2 IPS	2 1/2 IPS	3.63	5/8	2.69	7.25	3.88	5.25		
NT2020	3 IPS	3 IPS	4.31		3.25	8.63	4.63	6.19		
NT2121	3 1/2 IPS	3 1/2 IPS	4.88		3.25	9.25	5.19	6.81		
NT2222	4 IPS	4 IPS	5.44		3.25	9.81	5.75	7.44		

T-Connector, Type NSNT

For Copper Tube or Cable to Cable: T Application

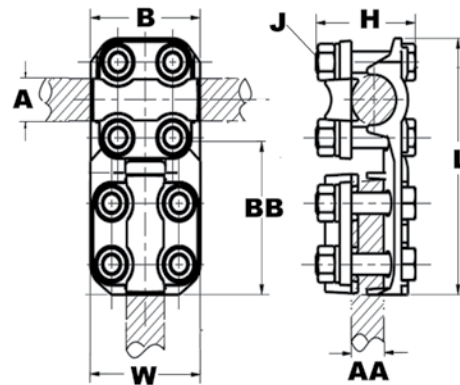
Material: Copper Alloy

Hardware: DURINIUM™ Silicon Bronze

High copper alloy reversible T-Connector for joining a wide range of run and tap cables. Connector is designed for one-wrench installation. "S" standard 3/8 in hardware and "H" heavy duty 1/2 in hardware.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating.
- Please contact factory for other sizes, combinations and availability.
- One-wrench installation.



Catalog Number	A Pipe Run	A Cable Run	AA ① Cable Tap Range	B	J Dia.	BB	L	H	W
NSNT1329	1/2 IPS	N/A	6 AWG-250 kcmil	2.00	3/8	2.38	5.08	2.00	1.96
NSNT1429	3/4 IPS		6 AWG-250 kcmil	2.00	3/8	2.38	5.08	2.00	1.96
NSNT1434			1/0 AWG-500 kcmil	2.00	3/8	2.38	5.08	2.10	2.20
NSNT1529	1 IPS		6 AWG-250 kcmil	2.00	3/8	2.38	5.34	2.00	1.96
NSNT1629	1 1/4 IPS		6 AWG-250 kcmil	2.00	3/8	2.38	5.78	2.37	1.96
NSNT2929	—	6 AWG-250 kcmil	6 AWG-250 kcmil	2.38	3/8	2.38	4.60	1.75	1.96
NSNT3429		1/0 AWG-500 kcmil	6 AWG-250 kcmil	2.38	3/8	2.38	4.84	2.00	1.96
NSNT3434			1/0 AWG-500 kcmil	2.38	3/8	2.38	4.84	2.00	2.20

① Complete cable range may be accommodated by reversing cap.

Substation - Bolted

T-Connector Terminal; Copper Tube to Cable
Type NHNT

T-Connectors Terminals, Type NHNT For Copper Tube to Cable: T Application

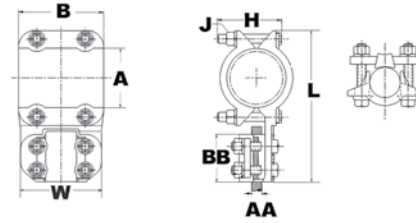
Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy reversible T-Connector for joining a wide range of run pipe and tap cables. Connector is designed for one-wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability
- One-wrench installation



Catalog Number	A Pipe Run	AA ① Cable Tap Range	B	J Dia.	BB	L	H	W
NHNT1429	3/4 IPS	6 AWG-250 kcmil	2.25	1/2	2.62	5.82	2.32	2.44
NHNT1434		1/0 AWG-500 kcmil	2.25	1/2	2.62	5.82	2.42	2.56
NHNT1529	1 IPS	6 AWG-250 kcmil	2.25	1/2	2.62	5.92	2.57	2.44
NHNT1534		1/0 AWG-500 kcmil	2.25	1/2	2.62	5.92	2.57	2.56
NHNT1540		2/0 AWG-800 kcmil	2.25	1/2	2.62	5.92	2.60	2.78
NHNT1629	1 1/4 IPS	6 AWG-250 kcmil	2.69	1/2	2.62	6.32	2.57	2.44
NHNT1634		1/0 AWG-500 kcmil	2.69	1/2	2.62	6.32	2.60	2.56
NHNT1640		2/0 AWG-800 kcmil	2.69	1/2	2.62	6.32	2.68	2.78
NHNT1644		4/0 AWG-1000 kcmil	2.69	1/2	2.88	6.58	2.69	2.90
NHNT1729	1 1/2 IPS	6 AWG-250 kcmil	2.69	1/2	2.62	6.76	2.70	2.44
NHNT1734	1 1/2 IPS	1/0 AWG-500 kcmil	2.69	1/2	2.62	6.76	2.70	2.56
NHNT1740	1 1/2 IPS	2/0 AWG-800 kcmil	2.69	1/2	2.62	6.76	2.78	2.78
NHNT1744		4/0 AWG-1000 kcmil	2.69	1/2	2.88	7.02	2.80	2.90
NHNT1829	2 IPS	6 AWG-250 kcmil	2.69	1/2	2.62	7.44	3.06	2.44
NHNT1834		1/0 AWG-500 kcmil	2.69	1/2	2.62	7.44	3.06	2.56
NHNT1840		2/0 AWG-800 kcmil	2.69	1/2	2.62	7.44	3.06	2.78
NHNT1844		4/0 AWG-1000 kcmil	2.69	1/2	2.88	7.70	3.06	2.90
NHNT1846		1000 kcmil-1500 kcmil	2.69	1/2	3.06	7.88	3.23	3.16
NHNT1929	2 1/2 IPS	6 AWG-250 kcmil	2.69	1/2	2.62	8.06	3.64	2.44
NHNT1934		1/0 AWG-500 kcmil	2.69	1/2	2.62	8.06	3.64	2.56
NHNT1940		2/0 AWG-800 kcmil	2.69	1/2	2.62	8.06	3.64	2.78
NHNT1944		4/0 AWG-1000 kcmil	2.69	1/2	2.88	8.32	3.64	2.90
NHNT1946		1000 kcmil-1500 kcmil	2.69	1/2	3.06	8.50	3.64	3.16
NHNT2040	3 IPS	2/0 AWG-800 kcmil	2.69	1/2	2.88	8.69	4.26	2.78
NHNT2044		4/0 AWG-1000 kcmil	2.69	1/2	5.75	8.95	4.26	2.90
NHNT2229	4 IPS	6 AWG-250 kcmil	3.25	1/2	2.63	10.38	4.26	2.50

① Complete cable range may be accommodated by reversing cap.

T-Connector, Type VT

For Copper Cable to Cable: T Application

Material: Copper Alloy



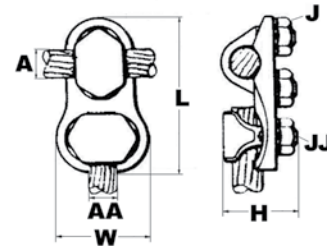
Hardware: DURIIUM™ Silicon Bronze

High copper alloy T-connector for cable run, cable tap. V-bolt clamping elements accommodate large range of cable and are particularly suited for extra flexible cable. One-wrench installation.



Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability
- One-wrench installation



Catalog Number	A - Cable Run Range	AA - Cable Tap Range	J Dia.	JJ Dia.	L	H	W
VT2C2C	8 AWG-2 AWG	8 AWG-2 AWG	5/8	5/8	2.31	1.38	1.00
VT2525	6 AWG-1/0 AWG	6 AWG-1/0 AWG	3/4	3/4	1.37	0.38	0.56
VT2825	1/0 -4/0 AWG	6 AWG-1/0 AWG	3/8	3/4	3.12	1.62	1.25
VT2828	1/0 -4/0 AWG	1/0 -4/0 AWG	3/8	3/8	2.94	0.38	0.31
VT3028	1/0 -300 kcmil	1/0 -4/0 AWG	7/16	3/8	3.19	1.88	1.69
VT4034	500 kcmil-800 kcmil	300 kcmil-500 kcmil	9/16	1/2	4.13	2.56	2.25
VT4430	750 kcmil-1000 kcmil	1/0 -300 kcmil	5/8	7/16	4.25	2.88	1.94
VT4434		300 kcmil-500 kcmil	5/8	1/2	4.38	3.34	2.25
VT4440		500 kcmil-800 kcmil	5/8	9/16	4.75	2.88	2.63
VT4444		750 kcmil-1000 kcmil	5/8	5/8	4.88	2.88	2.88
VT4628	1000 kcmil-1500 kcmil	1/0 -4/0 AWG	5/8	3/8	4.50	3.81	1.69
VT4630		1/0 -300 kcmil	5/8	7/16	4.63	3.81	1.94
VT4640		500 kcmil-800 kcmil	5/8	9/16	5.13	3.81	2.63
VT4830	1500 kcmil-2000 kcmil	1/0 -300 kcmil	3/4	7/16	5.13	4.25	1.94
VT4840		500 kcmil-800 kcmil	3/4	9/16	5.63	4.25	2.63
VT4844		750 kcmil-1000 kcmil	3/4	5/8	5.75	4.25	2.88
VT4848		1500 kcmil-2000 kcmil	3/4	3/4	6.25	4.25	3.75

Aluminum T-Connectors, Type NNT For Aluminum and Copper Tube to Tube

Material: Aluminum Alloy

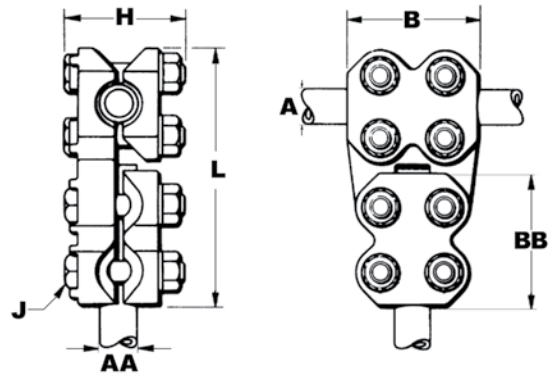
Hardware: Aluminum

Aluminum alloy T-Connector for tubing run and tap. Properly proportioned to permit use on copper-aluminum conductor combinations. Captured hex head bolts permit one-wrench installation. PENETROX™ joint compound recommended on contact surfaces.



Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations and availability
- One-wrench installation



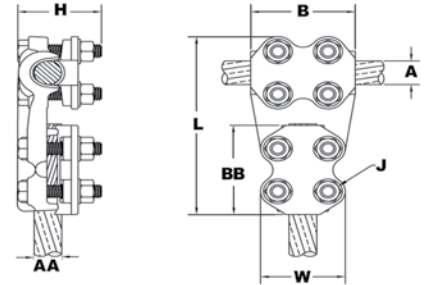
Catalog Number	A - Run tube	AA - Tap tube	B	J Dia.	BB	L	H
NNT15A15A	1 IPS	1 IPS	3.50	1/2	3.50	6.81	3.38
NNT16A16A	1 1/4 IPS	1 1/4 IPS	3.75	1/2	3.75	7.44	3.38
NNT17A17A	1 1/2 IPS	1 1/2 IPS	4.00	1/2	4.00	7.88	3.88
NNT18A18A	2 IPS	2 IPS	4.25	5/8	4.25	9.06	4.44
NNT19A19A	2 1/2 IPS	2 1/2 IPS	4.50	5/8	4.50	9.38	4.94
NNT20A20A	3 IPS	3 IPS	5.00	5/8	5.00	10.94	5.44
NNT21A20A	3 1/2 IPS	3 IPS	5.50	5/8	5.00	11.06	5.56
NNT22A22A	4 IPS	4 IPS	6.00	5/8	6.00	12.63	6.19

Aluminum T-Connectors, Type NNTR
For Cable to Cable

Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy T-Connector for a range of cable run to range of cable tap. One-wrench installation.



Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations, and availability
- One-wrench installation

Catalog Number	A - Run Al Cable	A - Run ACSR Cable	AA - Tap Al Cable	AA - Tap ACSR Cable	B	J Dia.	BB	L	H	W
NNTR29A29A	1/0 AWG-250 kcmil	1/0 (6/1) Raven AWG-4/0 (6/1) Penquin AWG	1/0 AWG-250 kcmil	1/0 (6/1) Raven AWG-4/0 (6/1) Penquin AWG	2.75	1/2	2.75	5.56	2.56	2.50
NNTR32A25A	250 kcmil-400 kcmil	4/0 (6/1) Penquin AWG-397.5 (18/1) Chickadee kcmil	4 AWG-1/0 AWG	4 (6/1) Swan AWG-1/0 (6/1) Raven AWG	1.88	1/2	1.88	4.81	2.56	2.28
NNTR32A32A	250 kcmil-400 kcmil	4/0 (6/1) Penquin AWG-397.5 (18/1) Chickadee kcmil	250 kcmil-400 kcmil	4/0 (6/1) Penquin AWG-397.5 (18/1) Chickadee kcmil	3.00	1/2	3.00	5.94	2.56	2.63
NNTR36A29A	350 kcmil-600 kcmil	336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil	1/0 AWG-250 kcmil	1/0 (6/1) Raven AWG-4/0 (6/1) Penquin AWG	3.25	1/2	2.75	5.31	2.56	2.50
NNTR36A36A	350 kcmil-600 kcmil	336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil	350 kcmil-600 kcmil	336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil	3.25	1/2	3.25	6.31	2.56	2.75
NNTR42A32A	600 kcmil-900 kcmil	477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil	250 kcmil-400 kcmil	4/0 (6/1) Penquin AWG-397.5 (18/1) Chickadee kcmil	3.50	1/2	3.00	6.38	3.13	2.63
NNTR42A36A	600 kcmil-900 kcmil	477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil	350 kcmil-600 kcmil	336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil	3.50	1/2	3.25	6.63	3.13	2.75
NNTR42A42A	600 kcmil-900 kcmil	477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil	600 kcmil-900 kcmil	477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil	3.50	1/2	3.50	6.88	3.13	3.00
NNTR45A45A	900 kcmil-1250 kcmil	715.5 (54/7) Crow kcmil-1113 (54/19) Finch kcmil	900 kcmil-1250 kcmil	715.5 (54/7) Crow kcmil-1113 (54/19) Finch kcmil	3.75	1/2	3.75	7.31	3.25	3.19
NNTR46A42A	1250 kcmil-1600 kcmil	1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil	600 kcmil-900 kcmil	477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil	3.75	1/2	3.50	7.25	3.44	3.00
NNTR46A46A	1250 kcmil-1600 kcmil	1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil	1250 kcmil-1600 kcmil	1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil	4.38	5/8	4.38	8.31	3.69	3.75
NNTR48A48A	1500 kcmil-2000 kcmil	1272 (54/19) Pheasant kcmil-1780 (54/19) kcmil	1500 kcmil-2000 kcmil	1272 (54/19) Pheasant kcmil-1780 (54/19) kcmil	4.50	5/8	4.50	8.63	3.81	3.88

Aluminum T-Connectors, Type NNTR

For Tube to Cable

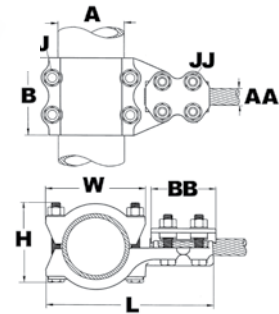
Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy T-Connector for tube run, range of cable tap. Properly proportioned to permit use on copper-aluminum combinations. One-wrench installation. PENETROX™ joint compound recommended on contact surfaces.

Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations, and availability
- One-wrench installation

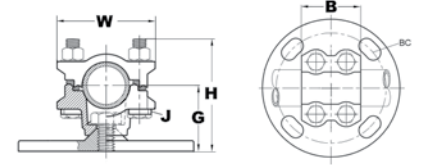


Catalog Number	A - Run Al Pipe	AA - Tap Al Cable	AA - Tap ACSR Cable	B	J Dia.	BB	L	H	JJ Dia.	W
NNTR14A29A	3/4 IPS	1/0 AWG-250 kcmil	1/0 (6/1) Raven AWG-4/0 (6/1) Penquin AWG	3.25	1/2	2.75	5.81	3.06	0.50	2.50
NNTR15A36A	1 IPS	350 kcmil-600 kcmil	336.4 (18/1) Merlin kcmil-477.0 (18/1) Pelican kcmil	3.50	1/2	3.25	6.56	3.31	0.50	2.75
NNTR15A42A	1 IPS	600 kcmil-900 kcmil	477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil	3.50	1/2	3.50	6.81	3.31	0.50	3.00
NNTR16A29A	1 1/4 IPS	1/0 AWG-250 kcmil	1/0 (6/1) Raven AWG-4/0 (6/1) Penquin AWG	3.75	1/2	2.75	6.44	3.31	0.50	2.50
NNTR16A32A	1 1/4 IPS	250 kcmil-400 kcmil	4/0 (6/1) Penquin AWG-397.5 (18/1) Chickadee kcmil	3.75	1/2	3.12	6.69	3.31	0.50	2.63
NNTR16A42A	1 1/4 IPS	600 kcmil-900 kcmil	477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil	3.75	1/2	3.50	7.19	3.31	0.50	3.00
NNTR17A29A	1 1/2 IPS	1/0 AWG-250 kcmil	1/0 (6/1) Raven AWG-4/0 (6/1) Penquin AWG	4.00	1/2	2.75	6.69	3.81	0.50	2.50
NNTR18A29A	2 IPS			4.00	1/2	2.75	7.56	4.44	0.50	2.50
NNTR19A42A	2 1/2 IPS	600 kcmil-900 kcmil	477.0 (18/1) Pelican kcmil-795 (54/7) Condor kcmil	4.00	5/8	3.50	8.88	5.00	0.63	3.00
NNTR20A32A	3 IPS	250 kcmil-400 kcmil	4/0 (6/1) Penquin AWG-397.5 (18/1) Chickadee kcmil	4.00	1/2	3.00	9.00	5.44	0.50	2.63
NNTR22A46A	4 IPS	1250 kcmil-1600 kcmil	1113 (54/19) Finch kcmil-1431 (54/19) Plover kcmil	6.00	5/8	4.38	11.25	6.19	0.63	3.75

Copper Bus Supports, Type UH For Supporting Copper Tube to Base

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze



High copper alloy bus support for mounting tube on a post or pedestal type insulator. Single bolt allows rotation to any angle. Rotate cap 180° for slip or rigid fit. One wrench installation. Supplied with hardware for mounting to cap of insulator. Specify base mounting hardware, if required, by adding suffix "B" to catalog number.

Notes :

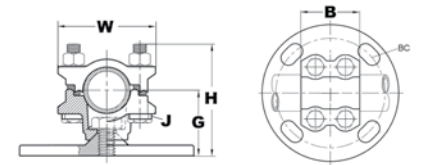
- One wrench installation
- Specify base mounting hardware, if required, by adding suffix "-B" to catalog number
- For other sizes and availability, please contact factory

Catalog Number	Copper Pipe Size	BC	G	J Dia.	B	H	W	
UH143	3/4 IPS	3	2.00	3/8	2.50	2.88	2.63	
UH153	1 IPS	3	2.00		2.50	3.00	2.88	
UH155		5	2.25		2.50	3.25	2.88	
UH163	1 1/4 IPS	3	2.25	1/2	2.69	3.44	3.50	
UH165		5	2.38		2.69	3.56	3.50	
UH173	1 1/2 IPS	3	2.50		3.00	3.81	3.81	
UH175		5	2.50		3.00	3.81	3.81	
UH183	2 IPS	3	2.75		3.00	4.31	4.63	
UH185	2 IPS	5	2.75		3.00	4.31	4.63	
UH193	2 1/2 IPS	3	3.13		3.00	5.00	5.25	
UH195		5	3.13		3.00	5.00	5.25	
UH203	3 IPS	3	3.63		5/8	3.25	5.81	6.19
UH205		5	3.63			3.25	5.81	6.19
UH225	4 IPS	5	4.50	3.25		7.25	7.50	

Copper Bus Supports, Type UHR For Supporting Copper Cable or Tube to Base

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze



High copper alloy bus support clamp for mounting a wide range of cable or tube on post or pedestal type insulators. Single bolt allows rotation to any angle. Supplied with hardware for mounting to cap of insulator. Specify base mounting hardware, if required, by adding suffix "-B" to catalog number.

Notes :

- One wrench installation
- Specify base mounting hardware, if required, by adding suffix "-B" to catalog number
- For other sizes and availability, please contact factory

Catalog Number	Copper Stranded Range	Copper Pipe Size	BC	G	J Dia.	B	H	W
UHR133	6 AWG - 500 kcmil	1/8 IPS -	3	1.75	3/8	3.63	3.00	2.25
UHR135		1/2 IPS	5	2.13	3/8	3.63	3.38	2.25
UHR153	4/0 AWG - 1250 kcmil	1/4 IPS -	3	2.00	3/8	3.75	3.50	2.75
UHR153SS		1 IPS	3	2.00	3/8	3.75	3.50	2.75
UHR155	750 kcmil - 2500 kcmil	3/4 IPS -	5	2.25	3/8	3.75	3.75	2.75
UHR173		1 1/2 IPS	3	2.50	1/2	2.88	4.25	3.94
UHR175	N/A	1 1/4 IPS -	3	2.75	1/2	2.81	4.75	4.63
UHR183		2 IPS	5	2.75	1/2	2.81	4.75	4.63
UHR185								

* With maximum conductor in place.

Substation - Bolted

Bus Supports, Type LH - Supporting Copper Cable or Tube to Base
Type LHR, Supporting Copper Cable or Tube to Insulator

Bus Supports, Type LH

For Supporting Copper Cable or Tube to Base

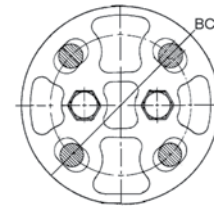
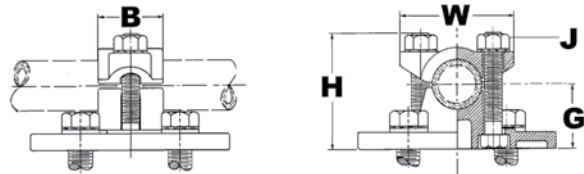
Material: Copper Alloy

Hardware: DURIUUM™ Silicon Bronze

High copper alloy, light duty bus support for mounting a wide range of cable or tube on post or pedestal type insulators. One-wrench installation. Supplied with hardware for mounting to cap of insulator. Specify base mounting hardware, if required, by adding suffix "-B" to Catalog No.

Notes :

- One wrench installation
- Specify base mounting hardware, if required, by adding suffix "-B" to catalog number
- For applications requiring heavier duty product, please see our UH product line
- For other sizes and availability, please contact factory.



Catalog Number	Tube	Stranded Conductor	BC	G	J Dia.	B	H	W
LH283	N/A	6 AWG-4/0 AWG	3	1.25	3/8	1.69	2.62	4.25
LH343	1/4 IPS -1/2 IPS	2/0 AWG-500 kcmil	3	1.38	3/8	1.38	2.50	4.25
LH453	1/2 IPS-1 IPS	500 kcmil-1250 kcmil	3	1.50	1/2	1.62	3.19	4.44

Bus Supports, Type LHR

For Supporting Copper Cable or Tube to Insulator

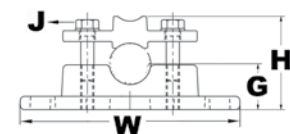
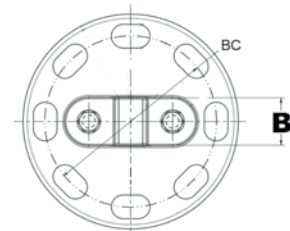
Material: Copper Alloy

Hardware: DURIUUM™ Silicon Bronze

High copper alloy, bus support for mounting a wide range of cable or tube on post or pedestal type insulators. One-wrench installation. Supplied with hardware for mounting to cap of insulator.

Notes :

- One wrench installation
- Specify base mounting hardware, if required, by adding suffix "-B" to catalog number
- For applications requiring heavier duty product, please see our UH product line
- For other sizes and availability, please contact factory.



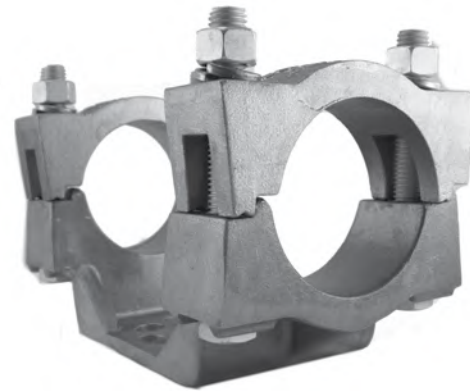
Catalog Number	Tube	Stranded Conductor	BC	G	J Dia.	B	H	W
LHR293	1/8 IPS-1/4 IPS	8 AWG-250 kcmil	3	1.23	3/8	1.00	2.03	4.25
LHR443	1/4 IPS-3/4 IPS	4/0 AWG-1000 kcmil	3	1.31	3/8	1.38	2.67	4.25
LHR445			5	1.33	3/8	1.00	2.51	6.25

Aluminum Bus Support, Type UHG
For Fixed or Rigid Pipe to Base

Material: Aluminum Alloy

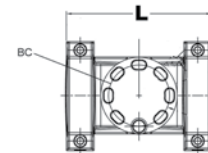
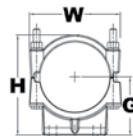
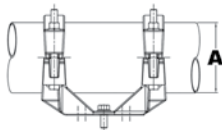
Hardware: Aluminum

Aluminum alloy bus support for mounting tube on post or pedestal insulators. Properly proportioned to minimize conductor corrosion due to galvanic action. Caps are reversible for FIX or RIGID fit. One-wrench installation. Supplied with hardware for mounting to cap of insulator.



Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- Specify base mounting hardware, if required, by adding suffix "-B" to catalog number; items with suffix "-CH" include static clips



Catalog Number	A	BC	G	L	H	W	
UHG13A3CH	1/2 IPS	3.00	2.00	1.75	7.44	3.09	2.66
UHG14A3	3/4 IPS			7.44	3.50	2.94	
UHG14A3CH	3/4 IPS			7.44	3.50	2.94	
UHG15A3	1 IPS			7.44	3.88	3.06	
UHG15A3CH	1 IPS	5.00	2.25	7.44	3.88	3.19	
UHG15A5	1 IPS			9.82	3.82	3.19	
UHG15A5CH	1 IPS			9.82	3.82	3.19	
UHG16A3CH	1 1/4 IPS	3.00	2.38	7.68	3.79	3.50	
UHG16A5CH	1 1/4 IPS	5.00		10.06	3.94	3.50	
UHG17A3	1 1/2 IPS	3.00	2.50	7.68	4.06	3.66	
UHG17A3CH	1 1/2 IPS			7.68	4.06	3.66	
UHG17A5	1 1/2 IPS			10.06	4.06	3.66	
UHG17A5CH	1 1/2 IPS			10.06	4.06	3.66	
UHG18A3	2 IPS	3.00	2.75	7.68	5.25	4.12	
UHG18A3CH	2 IPS			7.68	5.25	4.12	
UHG18A5	2 IPS	5.00		10.06	4.61	4.12	
UHG18A5CH	2 IPS			10.06	4.61	4.12	
UHG19A3	2 1/2 IPS	3.00	3.12	7.68	5.23	4.62	
UHG19A3CH	2 1/2 IPS			7.68	5.23	4.62	
UHG19A5CH	2 1/2 IPS			5.00	10.56	5.23	4.62
UHG20A3CH	3 IPS	3.00	3.62	9.25	6.09	5.62	
UHG20A5	3 IPS	5.00		10.56	6.09	5.62	
UHG20A5CH	3 IPS			10.56	6.09	5.62	
UHG20A7CH	3 IPS			7.00	12.80	8.46	8.46

Catalog Number	A	BC	G	L	H	W
UHG21A3	3 1/2 IPS	3.00	4.00	8.18	6.74	6.16
UHG21A3CH	3 1/2 IPS			8.18	6.74	6.16
UHG21A5CH	3 1/2 IPS	5.00		10.56	6.74	6.16
UHG22A3CH	4 IPS	3.00		8.18	7.50	6.62
UHG22A5	4 IPS	5.00	4.50	11.34	7.50	6.62
UHG22A5CH	4 IPS			11.34	7.50	6.62
UHG24A3	5 IPS	3.00	5.25	8.68	8.86	7.70
UHG24A3CH	5 IPS			8.68	8.86	7.70
UHG24A5	5 IPS	5.00		11.56	8.86	7.70
UHG24A5CH	5 IPS			11.56	8.86	7.70
UHG83A5	8 IPS	5.00	7.16	11.56	11.84	10.12
UHG86A5CH	6 IPS		5.56	11.56	9.94	8.75

Substation - Bolted

Aluminum Bus Support, Cable or Tube to Base
Type UHKR-A

Aluminum Bus Support, Type UHKR-A For Cable or Tube to Base

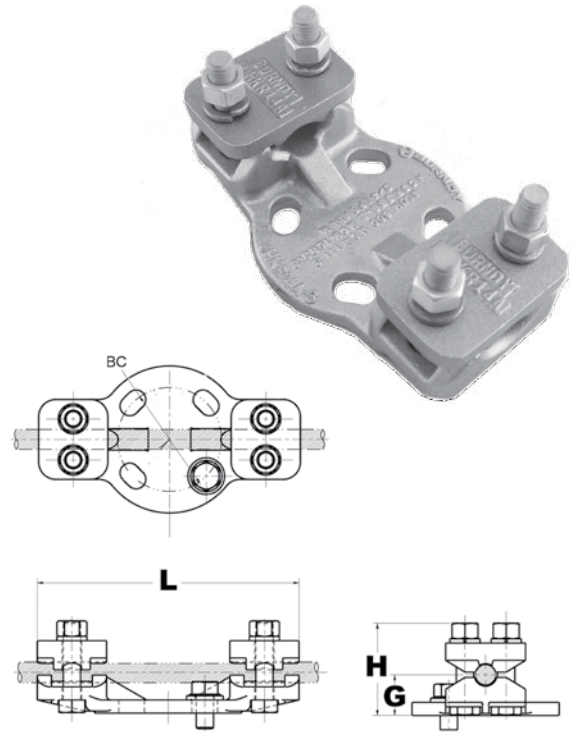
Material: Aluminum Alloy

Hardware: Aluminum

Aluminum alloy bus support for mounting a wide range of cable or tube on post or pedestal type insulators. Supplied with hardware for mounting to cap of insulator.

Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- Specify base mounting hardware, if required, by adding suffix “-B” to catalog number
- Please contact factory for other sizes, combinations, and availability



Catalog Number	Tube Size	Al Cable	ACSR Cable	BC	G*	L	H
UHKR11A3	1/4 IPS	4 AWG-4/0 AWG	6 (6/1) Turkey AWG-4/0 (6/1) Penguin AWG	3.00	1.16	7.56	2.63
UHKR11A5	1/4 IPS			5.00	1.16	8.50	2.63
UHKR13A3	3/8 IPS -1/2 IPS	250 kcmil-550 kcmil	266.8 (26/7) Owl kcmil-477. (30/7) Hen kcmil	3.00	1.32	7.56	3.88
UHKR13A5	3/8 IPS -1/2 IPS			5.00	1.32	8.88	2.88
UHKR14A3	3/4 IPS	600 kcmil-1113 kcmil	556.5 (26/7) Dove kcmil-1033.5 (54/7) Curlew kcmil	3.00	1.72	7.56	3.56
UHKR14A5	3/4 IPS			5.00	1.53	9.06	3.38
UHKR16A3	1 IPS -1 1/4 IPS	1000 kcmil-2000 kcmil	1113 (54/19) Finch kcmil-1780 (84/19) Chukar kcmil	3.00	1.97	7.56	4.06
UHKR16A5	1 IPS -1 1/4 IPS			5.00	1.80	9.25	3.88
UHKR17A3	1 1/4 IPS -1 1/2 IPS	2000 kcmil-2500 kcmil	1780 (84/19) Chukar kcmil-2156 (84/19) Bluebird kcmil	3.00	2.50	8.02	4.62
UHKR17A5	1 1/4 IPS -1 1/2 IPS			5.00	2.50	9.31	4.62

* With maximum conductor in place.

Aluminum End Cap, Type LB-A
For Use on Tube End Cap

Material: Aluminum Alloy

Hardware: Aluminum

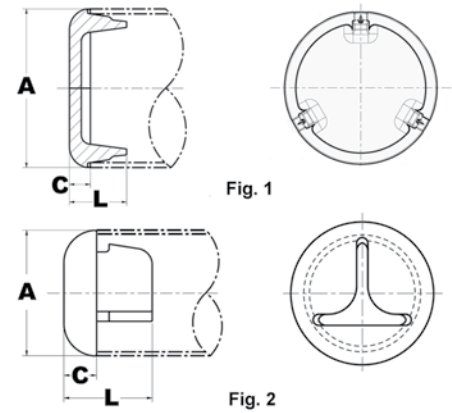
Aluminum alloy end cap for aluminum tube. Driven into place for a secure fit. Seals out moisture, reduces electrostatic loss and eliminates hazards created by nesting birds.

Notes :

- Installation instructions available upon request
- Please contact factory for other sizes, combinations, and availability



Catalog Number	Al tube Sch 40	Al tube Sch 80	C	L
LB13A	1/2 IPS	N/A	0.38	1.25
LB14A	3/4 IPS		0.50	1.37
LB15A	1 IPS		0.50	1.35
LB16A	1 1/4 IPS		0.50	1.35
LB17A	1 1/2 IPS		0.50	1.35
LB18A	2 IPS		0.88	2.16
LB19A	2 1/2 IPS		0.88	2.24
LB20A	3 IPS		0.88	2.29
LB21A	3 1/2 IPS		0.88	2.33
LB22A	4 IPS		0.88	2.22
LB23A	4 1/2 IPS		0.88	2.28
LB24A	5 IPS		0.88	2.45
LB83A	8 OD		0.75	2.28
LB86A	6 IPS		0.88	2.57
LB88A	8 IPS		0.75	2.28
LB53A	N/A		1/2 IPS	0.38	1.25
LB54A	N/A	3/4 IPS	0.50	1.37
LB55A	N/A	1 IPS		1.35
LB56A	N/A	1 1/4 IPS		1.35
LB57A	N/A	1 1/2 IPS		1.35
LB58A	N/A	2 IPS	0.88	2.16
LB59A	N/A	2 1/2 IPS		2.24
LB90A	N/A	3 IPS	0.88	2.29
LB91A	N/A	3 1/2 IPS		2.33
LB92A	N/A	4 IPS		2.22
LB94A	N/A	5 IPS		2.45
LB96A	N/A	6 IPS		2.57



Substation - Bolted

Copper Stud Connector, Copper Stud to Cable, Tube, Flat Bar
Type NDR

Copper Stud Connectors, Type NDR For Copper Stud to Cable, Tube, Flat Bar

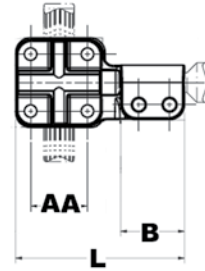
Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

High copper alloy reversible and rotatable cap stud connector joins cable, tube and flat bar in-line or at right angles to equipment studs. Accommodates a wide range of cables or tubes. One-wrench installation.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability
- One-wrench installation



Catalog Number	Stud A	J Dia.	Threads per inch	B	AA Stranded Cable	JJ Dia.	L	H
NDR6334T13	1/2	3/8	13	1.62	6 AWG-500 kcmil	3/8	4.28	2.25
NDR6328T13			13	1.53	6 AWG-4/0 AWG	3/8	3.62	1.75
NDR6434T12	3/4		12	1.53	6 AWG-500 kcmil	3/8	4.09	2.24
NDR6434T16			16	1.53		3/8	4.09	
NDR6428T16			16	1.53	6 AWG-4/0 AWG	3/8	3.60	1.74
NDR6444T16			16	1.53	2 AWG-1000 kcmil	1/2	4.66	2.82
NDR64534T14	7/8		14	1.53	6 AWG-500 kcmil	3/8	4.16	1.91
NDR6534T12	1		12	1.53		3/8	3.96	2.24
NDR6534T14			14	1.53		3/8	3.96	
NDR6528T14			14	1.53	6 AWG-4/0 AWG	3/8	4.09	1.74
NDR6544T14			14	1.53	2 AWG-1000 kcmil	1/2	4.73	2.82
NDR65534T12	1-1/8		12	1.53	6 AWG-500 kcmil	3/8	3.97	2.24
NDR65528T12		12	1.53	6 AWG-4/0 AWG	3/8	4.12	1.75	
NDR65544T12		12	1.53	2 AWG-1000 kcmil	1/2	4.66	2.82	
NDR6748T12	1-1/2	1/2	12	2.03	4/0 AWG-2000 kcmil	1/2	5.78	3.25
NDR67548T12	1-3/4		12	2.03		1/2	6.56	2.51
NDR67544T12			12	2.03	2 AWG-1000 kcmil	1/2	6.28	3.12
NDR6848T12	2		12	2.03	4/0 AWG-2000 kcmil	1/2	6.56	2.82
NDR6844T12			12	2.03	2 AWG-1000 kcmil	1/2	6.12	2.88
NDR68544T12			2-1/4	12		2.50	1/2	6.81	3.12

Stud Connectors, Type FD
For Copper Stud to Pad

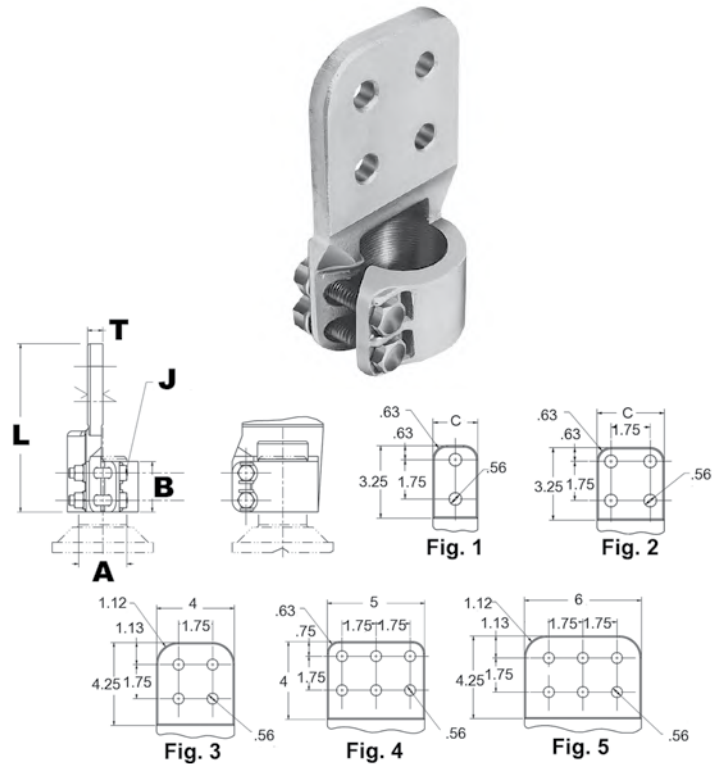
Material: Copper Alloy

Hardware: DURIIUM™ Silicon Bronze

High copper alloy stud connector allows bolting cable and tubing terminals to equipment studs. Hex head captured bolts provide one-wrench installation. One pad contact surface is on centerline of stud. Pad is finished on both sides. All pads are four hole NEMA drilled.

Notes :

- Plated versions: add the required suffix to the catalog number.
-TN for regular tin plating
- Pad is finished on both sides
- Amperage rating given is for indoor conditions
- Please contact factory for other sizes, combinations and availability
- One-wrench installation



Catalog Number	Fig. #	Stud A	Threads per inch	Nominal Ampere Rating	B	J Dia.	L	T
FD64C5T16	2	3/4	16	1000	1.75	3/8	5.72	5/16
FD65C6T14	2	1	14	1075	1.75	3/8	5.72	3/8
FD655C6	2	1-1/8	12	1075	1.75	3/8	5.80	3/8
FD655D6	3		12	1300	1.75	3/8	6.86	3/8
FD66C6	2	1-1/4	12	1075	1.75	3/8	5.78	3/8
FD66D6	3		12	1300	1.75	3/8	6.84	3/8
FD675C8	2	1-3/4	12	1100	2.18	1/2	6.32	1/2
FD675D8	3		12	1450	2.18	1/2	7.39	1/2
FD68C8	2	2	12	1100	2.18	1/2	6.35	1/2
FD68D8	3		12	1450	2.18	1/2	7.42	1/2
FD68D12	3		12	2100	2.18	1/2	7.42	3/4
FD685C8	2	2-1/4	12	1100	2.50	1/2	6.71	1/2
FD685D8	3		12	1450	2.50	1/2	7.77	1/2
FD685D12	3		12	2100	2.50	1/2	7.77	3/4
FD69C8	2	2-1/2	12	1100	2.50	1/2	6.77	1/2
FD69D8	3		12	1450	2.50	1/2	8.03	1/2
FD69D12	3		12	2100	2.50	1/2	8.03	3/4
FD70D12	3	3	12	2100	2.88	5/8	8.26	3/4
FD70D16	3		12	3000	2.88	5/8	8.24	1

Copper Stud Connectors, Type VV3D-R For Copper Stud to Three Cables - Flag

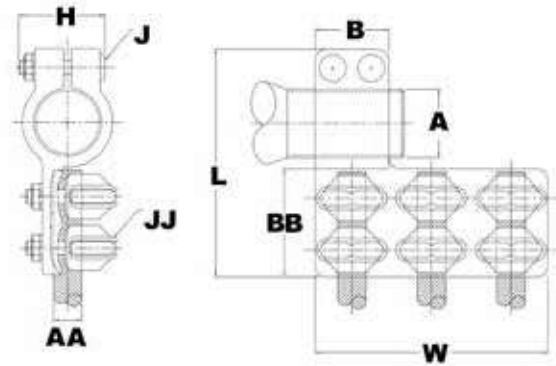
Material: Copper Alloy

Hardware: DURSIUM™ Silicon Bronze

High copper alloy stud connector allows bolting (3) cables to equipment studs. The cables have a flag position to equipment stud axis.

Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability
- One-wrench installation.
- V-bolt clamping element is particularly appropriate for flexible cables



Catalog Number	Stud A	AA Stranded Cable	B	BB	J Dia.	JJ Dia.	L	H	W
VV3D6846R12	2	1000 kcmil-1500 kcmil	4.50	3.25	5/8	5/8	8.38	3.81	10.2
VV3D7046R12	3	1000 kcmil-1500 kcmil	4.50		5/8	5/8	10.0	3.81	10.2
VV3D7246R12	4	1000 kcmil-1500 kcmil	4.50		5/8	5/8	10.5	3.81	10.2

Aluminum Stud Connectors, Type SFD
For Stud to Pad

Material: Aluminum Alloy

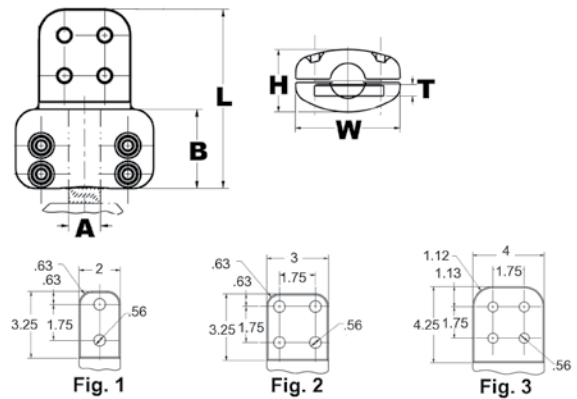
Hardware: Aluminum
(modified by hardware suffixes)



Aluminum alloy stud connector for equipment bushing to conductor terminals. One wrench installation. Unless otherwise mentioned at the item level, this design embeds principles for self-shielding up to 550kV.

Notes :

- Properly proportioned to minimize conductor corrosion due to galvanic action. When properly used, this item does not require use of bimetallic plates. Please ask BURNDY® Technical Support for recommendations
- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations and availability
- Use shielding caps for high voltage applications (STS family). Shielding caps may be purchased separately
- Pad is finished on both sides



Catalog Number	Fig. #	Stud A	Threads per inch	B	H	L	W	T
SFD67D12	3	1-1/2	12	2.50	2.79	7.66	4.50	.75
SFD68AD16	3	2		3.45	3.57	8.23	6.00	1.00
SFD69AD16	3	2-1/2		3.45	3.57	8.23	6.00	1.00
SFD70AD16	3	3		3.84	4.10	8.59	7.12	1.00
SFD71AD20	3	3-1/2		3.84	4.89	8.59	7.50	1.25
SFD71AD16	3			3.84	4.89	8.59	7.50	1.00
SFD72AD20	3	4		3.84	5.37	8.58	8.12	1.25
SFD72AD18	3			3.84	5.37	8.58	8.12	1.12

Aluminum Spacer, Type CPR-A For Two Cables Rigid Spacer

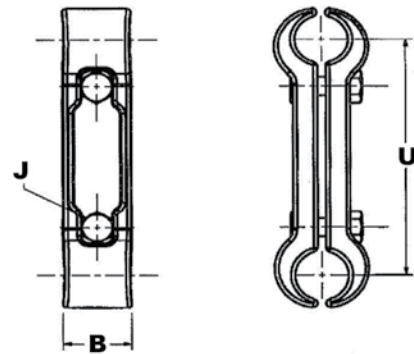
Material: Aluminum Alloy

Hardware: Aluminum

Rigid spacer for large range of cables. Particularly appropriate design for short spacing (up to 6" or 8").

Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- Please contact factory for other sizes, combinations and availability
- One-wrench installation



Catalog Number	Aluminum Stranded	B	J Dia.	U
CPR34A4	500 kcmil	1.75	1/2	4.00
CPR42A4	600 kcmil-900 kcmil			4.00
CPR46A4	1200 kcmil-1600 kcmil	2.13	5/8	4.00

Aluminum Spacer, Type S2GGBP-A
For Two Cables Rigid Spacer with Grounding Rod

Material: Aluminum Alloy

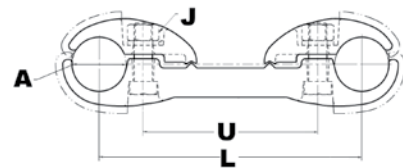
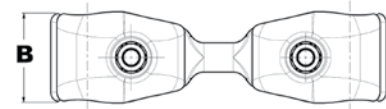
Hardware: Aluminum

Streamlined rigid spacer for large range of cables. The rod joining both cable modules is circular to accommodate grounding clamps.
EHV RATED: SELF-SHIELDING UP TO 550kV



Notes :

- PENETROX™ A joint compound is recommended on contact surfaces
- One wrench installation
- Please contact factory for other sizes, combinations and availability
- 1, 2 or 4 bolt designs available.



Catalog Number	Aluminum Stranded	Aluminum ACSR	B	J Dia.	U	L
S2GGBP445A12	954 kcmil- 1033 kcmil	795 (54/7) Condor kcmil- 954 (45/7) Rail kcmil	4.00	1/2	12.00	14.04
S2GGBP486A	2300 kcmil- 2500 kcmil	2156 (84/19) Bluebird kcmil- 2167 (72/7) Kiwi kcmil	3.00	5/8	18.00	20.76
S2GGBP486A9	2300 kcmil- 2500 kcmil		3.12	5/8	9.00	11.50
S2GGBP48A	1750 kcmil- 2000 kcmil	1590 (45/7) Lapwing kcmil- 1780 (54/19) kcmil	3.00	5/8	18.00	20.76
S2GGBP48A12	1750 kcmil- 2000 kcmil	1590 (54/19) Falcon kcmil- 1780 (84/19) Chukar kcmil		5/8	12.00	14.76

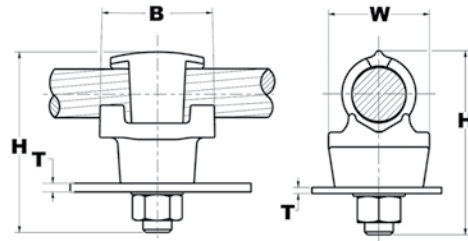
BARTAP™ Connectors, Type QGFL For Copper Cable to Flat

Material: Copper Alloy

High copper alloy BARTAP™ for joining a range of cable to bar or pad. One-wrench installation.

Notes :

- Can be installed side by side or in-line on NEMA drilled bar



Catalog Number	Copper Conductor	B	H	J Dia.	T (Max)	W
QGFL1CB1	#10 Sol-#1 Str	1-1/8	1-7/8	3/8	1/4	1
QGFL1CB1T6	#10 Sol-#1 Str	1-1/8	2-3/8	3/8	3/4	1
QGFL26B1	#8 Sol-#2/0 Str	1-1/4	2-1/8	3/8	1/4	1-1/8
QGFL26B1T6	#8 Sol-#2/0 Str	1-1/4	2-5/8	3/8	3/4	1-1/8
QGFL26B2	#8 Sol-#2/0 Str	1-1/4	2-8/25	1/2	1/4	1-1/8
QGFL26B2T6	#8 Sol-#2/0 Str	1-1/2	2-4/5	1/2	3/4	1-1/8
QGFL29B1	#6 Str-250 kcmil	1-2/5	2-5/8	1/2	1/4	1-3/8
QGFL29B1T6	#6 Str-250 kcmil	1-5/8	3-1/8	1/2	3/4	1-3/8
QGFL31B1	2 AWG-350 kcmil	1-3/4	2-7/8	1/2	1/4	1-5/8
QGFL31B1T6	2 AWG-350 kcmil	1-3/4	3-1/4	1/2	3/4	1-5/8
QGFL34B1	1/0 -500 kcmil	2	3-1/8	1/2	1/4	1-3/4
QGFL34B1T6	1/0 -500 kcmil	2	3-5/8	1/2	3/4	1-3/4
QGFL44G3	2/0 - 1000 kcmil	1.88	4.44	1/2	3/4	2
QGFL39B1	350 kcmil-750 kcmil	2-1/4	3-1/4	1/2	1/4	1-3/4
QGFL39B1T6	350 kcmil-750 kcmil	2-1/4	3-5/8	1/2	3/4	1-3/4
QGFL44B1	750 kcmil-1000 kcmil	2-1/4	3-3/8	1/2	1/4	2-1/8
QGFL44B1T6	750 kcmil-1000 kcmil	2-1/4	4-1/8	1/2	3/4	2-1/8
QGFL46B1	1000 kcmil-1500 kcmil	2-1/4	4	1/2	1/4	2-1/2
QGFL46B1T6	1000 kcmil-1500 kcmil	2-1/4	4-1/2	1/2	3/4	2-1/2
QGFL48B1	1500 kcmil-2000 kcmil	2-1/4	4-3/4	1/2	1/4	3

Copper Bolted Terminal Type NFXR

For Pipe or Cable to Flat

Material: Copper Alloy

Hardware: DURIMUM™ Silicon Bronze

One of the most versatile products available. Can be bolted to a four-hole NEMA drilled pad. Rated for 230kV.



Notes :

- Plated versions: add the required suffix to the catalog number. -TN for regular tin plating
- Please contact factory for other sizes, combinations and availability



Catalog Number	Copper Cable	Copper Pipe (Std or EH)	H	L	W
NFXR15	1/0 -1250 kcmil	1/4 IPS-1 IPS	3.11	2.88	2.88
NFXR15CG20	1/0 -1250 kcmil		3.11	2.88	2.88
NFXR15CG24	1/0 -1250 kcmil		3.61	2.88	2.88
NFXR15CG7	1/0 -1250 kcmil		3.36	2.88	2.88
NFXR15HQ	1/0 -1250 kcmil		3.86	3.86	2.88

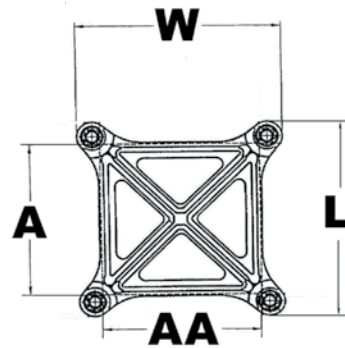
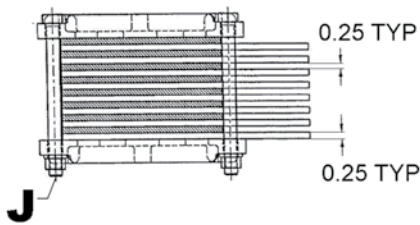
Bar Clamps, Type HFBW For Copper Bar to Bar

Material: Copper Alloy

The clamp assembly eliminates the need for drilling the flat bar and may be used in either indoor and outdoor applications. The open web design provides a uniform clamping pressure while minimizing the weight of the connector.

Notes :

- Please contact factory for other sizes, combinations and availability.



Catalog Number	A	AA	J Dia.	L	W
HFB44G30W	4.00	4.00	1/2	5.75	5.75
HFB44G31W	4.00	4.00	1/2	5.75	5.75
HFB44G32W	4.00	4.00	1/2	5.75	5.75

Bar Clamp Assembly Components, Type HFB-P1
 For Copper Bar to Bar

Material: Copper Alloy

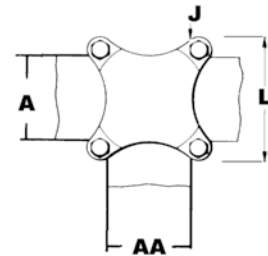
To build your own high strength clamp assembly for multiple flat bar using type HFB-P1 bar clamps and clamping hardware, the following tables have been provided. The clamp assembly eliminates the need for drilling the flat bar and may be used in either indoor and outdoor applications. Hardware not included.



Notes :

- For other sizes and availability, please contact factory.

Catalog Number	A	AA	J Dia.	L
HFB22P1	2.00	2.00	3/8	4.38
HFB33P1	3.00	3.00	3/8	4.38
HFB42P1	4.00	2.00	3/8	5.75
HFB44P1	4.00	4.00	1/2	5.75
HFB52P1	5.00	2.00	1/2	6.75
HFB53P1	5.00	3.00	1/2	6.75
HFB54P1	5.00	4.00	1/2	6.75
HFB55P1	5.00	5.00	5/8	7.13
HFB62P1	6.00	2.00	1/2	7.75
HFB63P1	6.00	3.00	1/2	7.75
HFB64P1	6.00	4.00	1/2	7.75



Bar Clamp Tap Pad Adapters, Type HFB-N
 For Copper Bar to Pad

Material: Copper

High conductivity copper, tap pad adapter provides a NEMA drilled contact pad when assembled to the HFB-P1 clamps (sold separately). Tap connections can be made from copper bus bar(s) without drilling, by bolting standard mechanical or compression terminal pads directly to the pre-drilled tap pad adapter.

Notes :

- **HFB-N items are only the flat drilled copper adapter pad, the HFB-P1 clamps and hardware are sold separately**
- Please contact factory for other sizes, combinations and availability

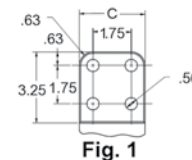
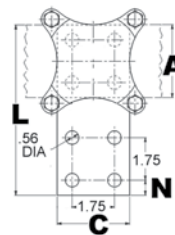


Fig. 1

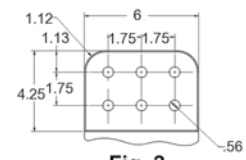
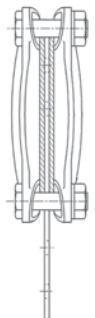


Fig. 2



Catalog Number	Fig.	A	C	L	N
HFB334N	1	3.00	3.00	7.00	0.62
HFB444N	1	4.00	4.00	9.12	1.12
HFB666N	2	6.00	6.00	11.31	1.12

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Table of Contents

EHV Substation Connectors Introduction	M-2	Welded Couplers	
BURNDY® Design Criteria	M-2	Type WS-A, Bus to bus coupler	M-13
Cable Connectors	M-2	Welded Expansion Coupler	
Tubular Bus Connectors	M-2	Type SWXP-A-A, Bus to bus expansion	M-14
Controlling Corona	M-2	Welded T or "A" Frame Connectors	
Nomogram - Determining Equivalent Height	M-3	Type SWAB-A-N, Bus to pad	M-15
Controlling Corona (continued)	M-4	Type SWT-A-A, Bus to bus T connector	M-16
Gradient Calibrator	M-4	Type SWT-A-A-75, Bus "A" frame connector, 75° angle	M-18
Formula for Determining Voltage Gradient	M-5	Type SWAT-A-A-30, Bus "A" frame connector, 30° angle	M-19
Nomogram - Finding Average Conductor-Surface Voltage-Gradient from Line Dimensions and Voltage	M-6	Welded Bus Supports	
Radio Interference Voltage	M-7	Type SWOH-A, Fixed bus support to insulator	M-20
Effect of Conductor Size on Testing	M-7	Type SWHRH-A, Fixed or slip fit bus support to insulator	M-21
Contamination	M-7	Type SWVH-A, Vertical position bus to insulator	M-22
Conclusion	M-7	Type SWXHP-A, Bus to bus expansion support coupler to insulator	M-23
Welded Terminal Connectors		Miscellaneous	
Type SWA-R-N, Cable to two or four hole pad (offset terminal)	M-8	Type SWL-A, Bus to bus elbow, 90°	M-24
Type SW2A, Two Cables to two or four hole pad (offset terminal)	M-9	Type WSBC-A, Spherical Coupler	M-25
Type SWA-A-N, Bus to two or four hole pad (offset terminal)	M-10	Type STS-A-NCG, Terminal Pad Cap (one piece)	M-25
Type SWAC-A-N, Bus to two or four hole pad (center formed)	M-11	Type WLB-A, Bus to end cap	M-26
Welded Expansion Terminals		Type SCB-A, Bus to corona bell	M-26
Type SWXA-A-N, Terminal with Corona Rings, Bus to four or six hole pad	M-12		

**Numerous Additional Connection Options Are Available.
Contact Customer Service
or
View the BURNDY Substation Catalog for
Additional Information**

EHV Substation Connectors Introduction

Connectors for use in EHV Substations must meet essentially the same electrical and mechanical requirements as those for other power connectors. However, operations at extra high voltages imposes an important additional requirement. They must not produce corona discharges that interfere with radio reception and cause energy loss.

Corona forms when the voltage gradient at the surface of a conducting material exceeds a critical value and ionizes the surrounding air. For conductors, the four basic factors that determine surface voltage gradient are distance from ground, conductor diameter, phase spacing and voltage.

In A.C. circuits, there are two basic kinds of corona. Negative corona forms during the negative half cycle, and positive corona during the positive half cycle. Negative corona generally appears as a glow on conventional conductors at about 20 kV rms/cm. Its amplitude is relatively low and cause no significant radio interference. Positive corona appears as a plume at above 30 kV rms/cm. Its amplitude is about 50 times higher than that for negative corona and is the major cause of radio interference.

BURNDY® EHV connectors are designed so that under fair weather operation conditions the voltage gradient at the connector surface will be at a level that will not cause corona and the resultant radio interference. (RIV)

BURNDY® Design Criteria

Cable Connectors

For reasons of economy, EHV systems using stranded conductor are generally designed to operate at voltage gradients close to the negative corona onset level. It is essential, therefore, that connectors provide corona-free performance superior to that of the cable. So our design criterion calls for the voltage which corona extinguishes from the connector to be higher than the voltage at which it extinguishes from the cable. This criterion is met by eliminating all protrusions and by providing smooth contours on all surfaces. On compression elements, the ends are especially critical. Carefully designed tapers are provided to keep the voltage gradient at a level lower than that on the conductor. Of course, it is still necessary during installation to smooth crimped elements.

On accessories, like spacers for bundled lines, the critical areas are those at the edges of the bundle. The bundle itself generally shields those parts that fall within it. Many protrusions that would cause corona on a single conductor line are quiet when they fall within the shielding influence of a bundle. However, those parts that fall at the edges are carefully finished at the factory to assure corona-free operation.

Tubular Bus Connectors

Station designers choose tubular bus sizes on the basis of mechanical rather than electrical requirements. For instance, stations that only need 4" IPS to meet electrical and corona requirements often have 6" IPS as main buses. The resultant voltage gradient on these buses is very low, perhaps only 10 kV rms/cm, well below the corona onset level.

It is impractical therefore, to require that connectors operate quieter than the bus regardless of the voltage. Under some circumstances, it might be impossible to meet such criteria. In most cases, it would be prohibitively expensive to do so.

Of course, theoretically optimum connectors could be designed for each application, based on the design voltage gradient for individual stations. However, in most cases even differences as great as that between 345 and 500 kV don't have a meaningful impact on connector costs. So, from a practical point of view, it is feasible to design most connectors for 500 kV operation. This makes it more convenient for the station designers to select and order connectors.

Bus connectors are designed to provide corona-free performance under conditions of actual operation. This is done by calculating the voltage gradient on the surface of the bus at 500 kV, using the phase spacing and ground distance typical for this voltage. Connectors are then designed to operate corona free when the voltage gradient on the bus is 10% above this value.

The exceptions to this rule are the flexible expansion connectors. Those designed for 345 kV are self-shielding. Those for 500 kV have separate shielding rings. Experimental work on self-shielding 500 kV expansion connectors indicates that the margin of safety is too small to justify recommending them for this voltage.

Controlling Corona

Since corona is caused when the voltage gradient at the surface of a conducting material reaches a level that causes the surrounding air to break down, then obviously, the way to prevent corona is to keep the gradient below this critical level.

From this point of view the connector designer, this can be accomplished in three ways:

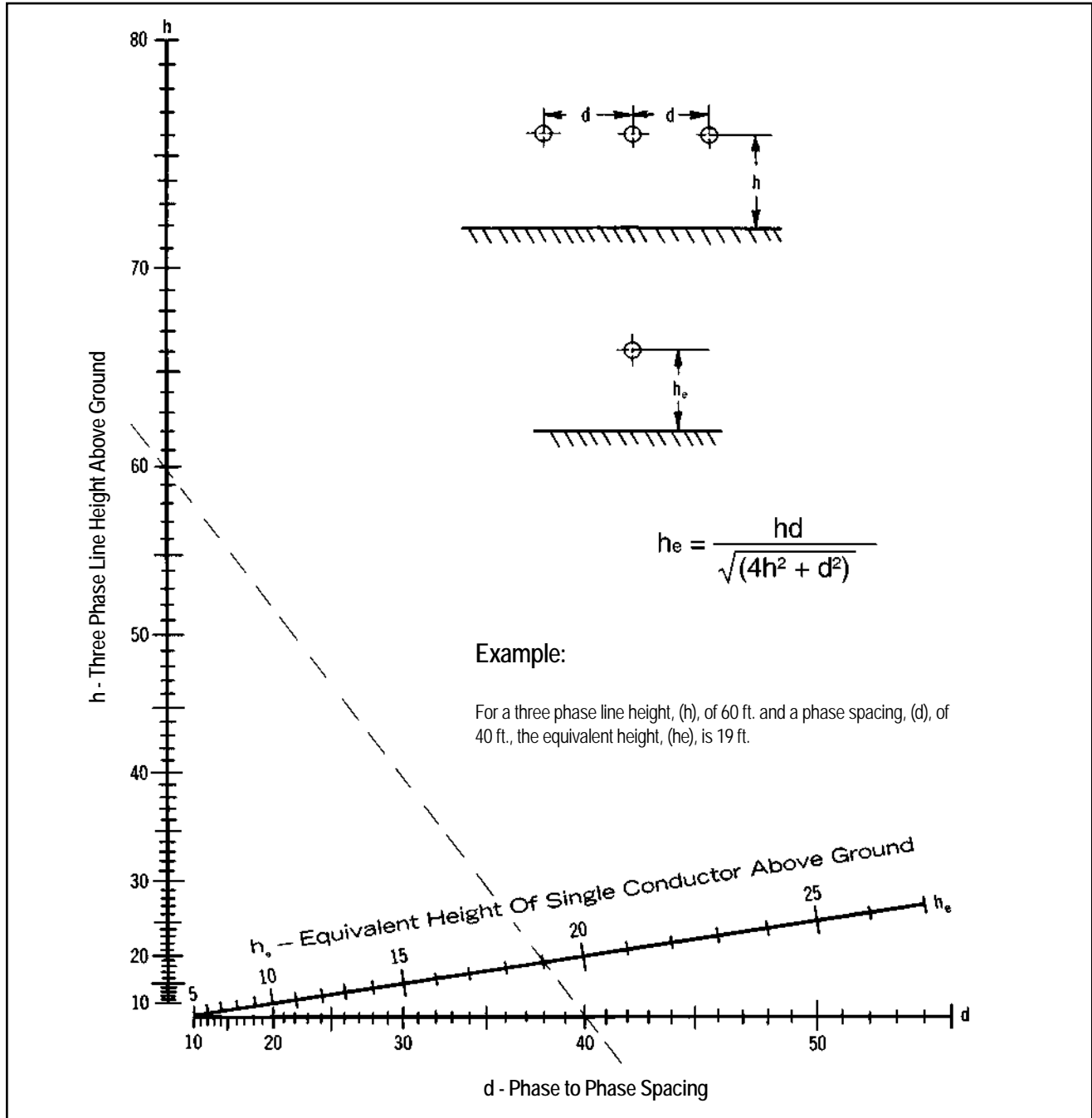
1. By providing generous radii on all outside surfaces to keep the voltage stresses to a minimum.
2. By providing shielding rings.
3. By placing the connector within the shielding influences of some part of the bus structure.

Since it is impossible for the connector designer to know the exact configuration of every bus system where the connectors might be used, the third approach is not practical. So, for the purposes of developing a standard line, we concentrate on the first two.

Whenever possible, connectors are designed to be self-shielding. This approach leads to less costly and less obtrusive designs. BURNDY® EHV designs only use corona rings in complicated connector configurations. Examples of such applications are disconnectable equipment taps, expansion couplers and equipment terminals which often have configurations that preclude the use of self-shielding designs.

Nomogram for Determining the Equivalent Height

HEIGHT (h_e) OF A THREE PHASE LINE



Nomogram for determining the equivalent height of a single conductor line having the same average voltage of gradient as the CENTER conductor of a horizontally spaced three phase line, with the same line to ground voltage and the same conductor size. All dimensions measured in the same units.

The use of the laboratory is based on the fact that it is the surface voltage gradient that causes corona. Although most systems consist of 3 phase conductors and a ground plane, it is a rather simple matter to duplicate in the laboratory the conductor surface voltage gradient as it exists on any of these phase conductors with a single conductor and a ground plane.

The formulas and nomograms give this three phase to single phase equivalency. Because this conversion is possible, all EHV testing is done single phase; and there is no necessity for 3 phase testing with its high cost in terms of equipment and space.

Since voltage gradient is the significant factor, the single phase test does not have to be done at the full voltage of an operation system. By setting up the test closer to the ground plane, the operation voltage gradient can be obtained with a lower test voltage. There is a limit, however, below which the height cannot be lowered lest corona onset and flashover occur simultaneously. Generally, the minimum test height should be about 10 times the diameter of the test conductor.

Gradient Calibrator

Normally the conductor surface voltage gradient at the extinction of corona in the laboratory is calculated using the accompanying equations. However, for test setups involving unusual conductor configurations, the conductor gradient cannot be readily calculated. In these cases, a gradient calibrator may be used. This is a small sphere mounted on the conductor. It has previously been calibrated for each conductor size to establish the surface voltage gradient that starts positive corona on the sphere. With it tests can be duplicated in any number of laboratories. The applied voltages and ground distances could all be different. But the voltage gradient on the surface of the conductor when the corona occurs on the sphere will always be the same. The calibrator provides a convenient bench mark for measuring the corona performance of connectors.

In use, the sphere is mounted on the conductor in a connector test setup. The voltage is raised until there is a corona on the sphere. We already know from previous calibration what the voltage gradient on the surface of the conductor is at this point.



The sphere is removed and the voltage raised until there is a corona on the connector. Since the voltage gradient increases directly with increases in applied voltage, the gradient on the conductor at this point can be readily calculated.

It is important to note that the significant parameter is the voltage gradient on the surface of the conductor. It is not necessary to know the gradient on the connector. The conductor gradient in any given substation is controlled by its design parameters and may be calculated using the following formulae and nomograms. Once the gradient is known, it is unnecessary to have any other information to design connectors. As long as connectors are corona-free at a conductor voltage gradient higher than that planned for the conductor, the connector will be corona-free under fair weather operating conditions.

There may be on occasion be unusual situations where choice of *conductor*, station geometry or clearance problems cause the need for connectors of special design. Where this is the case, BURNDY is prepared to design corona-free devices to operation under such conditions.

Formula for Determining the Voltage Gradient Notations Used

h = line to ground distance (cm)
r = radius of the individual conductor (cm)
s = conductor spacing in the bundle (cm)
d - phase to phase spacing of the line (cm)
V = line to ground voltage (kV)
E_a = average gradient at the surface of the conductor (kV/cm)

E_m = maximum gradient on the surface of a single conductor
h_e = equivalent single phase line to ground distance (cm)
r_e = equivalent single conductor radius (cm) of bundled conductors
n = number of conductors in the bundle

$$E_a = \frac{V}{r \cdot 1n \cdot \frac{2h}{r}} \quad E_m = \frac{h}{h - r} E_a$$

The maximum gradient (E_m) occurs on the side facing the ground plane.

The center conductor has a gradient about 5% higher than the outside conductors. The gradient on the center phase may be calculated using the formula for the single conductor.

Single phase system and substituting (h_e) from the following formula or attached nomograms for the height about the ground (h). For the center phase:

$$E_a = \frac{V}{r \cdot 1n \cdot \frac{2h}{r}} \quad h_e = \frac{hd}{\sqrt{(4h^2 + d^2)}}$$

It should be noted that h_e is somewhat smaller than $\frac{h}{2}$

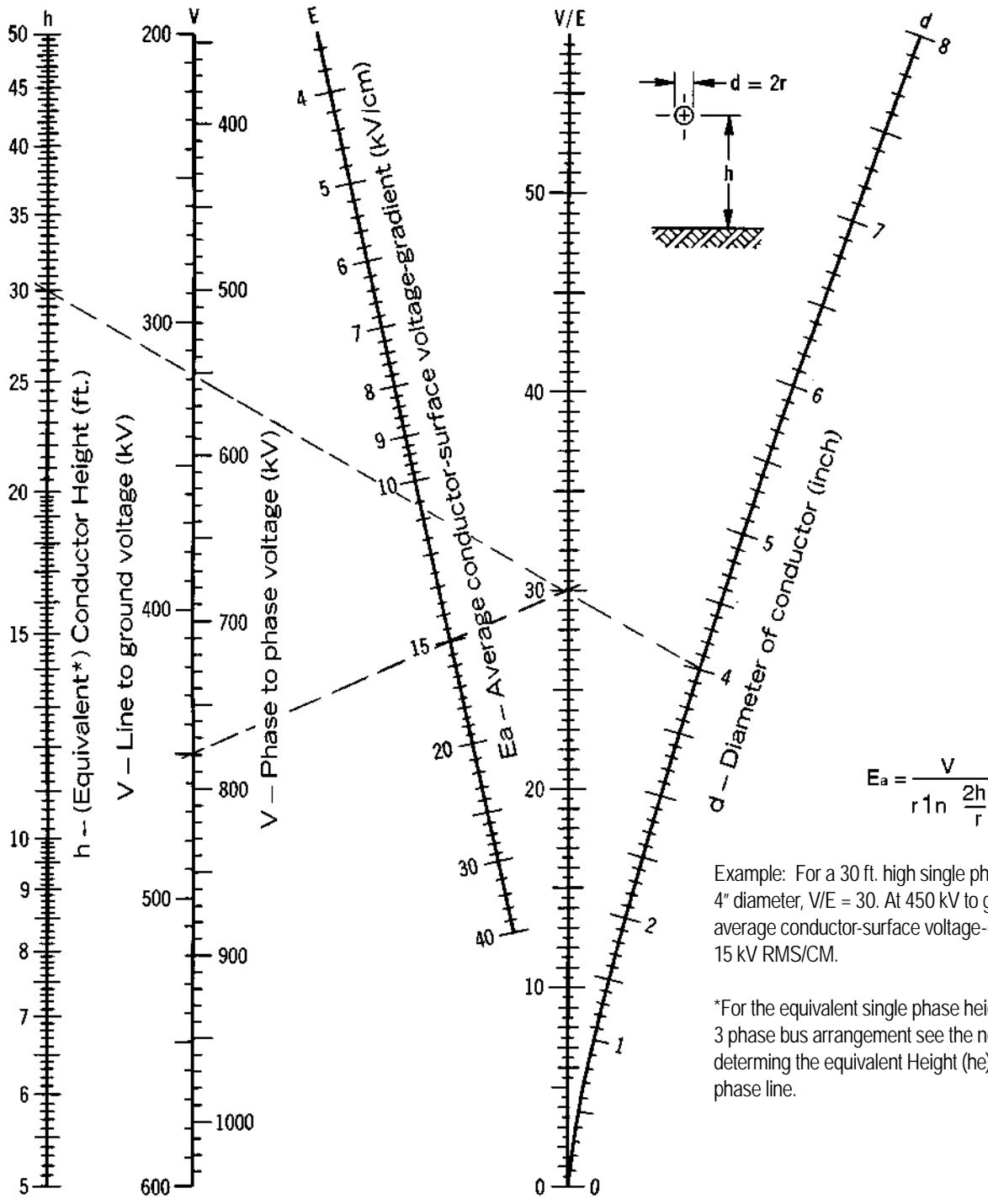
$$E_a = \frac{V}{n r \cdot 1n \cdot \frac{2h}{r_e}} \quad \text{in which } r_e = r \left(\frac{s}{r} \right)^{\frac{n-1}{n}}$$

The value of " $\frac{s}{r}$ " is unity for 1-, 2-, and 3- conductor bundles and 1.12 for 4- conductor bundles.

Bundled Conductor - Three Phase

This case may be reduced to the single bundled conductor case by replacing h with h_e in the equation. The definition of h_e is identical to that given for the single conductor — three phase situation.

Nomogram for finding the average conductor-surface voltage-gradient from line dimensions and voltage



Radio Interference Voltage

There is serious question as to whether measurement of RIV on connectors makes a meaningful contribution to quieter station operation.

Under test conditions, there is generally no significant indication on the radio noise meter until the onset of visible positive corona. At this point, the RIV reading goes into the hundreds of thousands of microvolts. The effect of this phenomenon is to provide a visibly discernable point at which RIV will be excessive. It eliminates the necessity to make, record and plot RIV measurements. Where there is no corona, there is no RIV. So our test criterion calling for no visible corona assures that there will be no radio interference generated by the connector under operating conditions.

Effect of Conductor Size on Testing

Conductor diameter has a significant effect on potential corona problems. The larger the diameter, the lower the surface voltage gradient for a given test voltage. This means that smaller conductors produce corona at lower voltages than larger ones.

Many connector designs have the same basic configuration for various conductor sizes. The only difference being the size of the attaching elements. This is particularly true for many of the welded type connectors. Where this is the case, it is often sufficient to test the connector only on the smallest conductor, since it yields the lowest corona extinction voltage. When there is any doubt, each size is tested.

Contamination

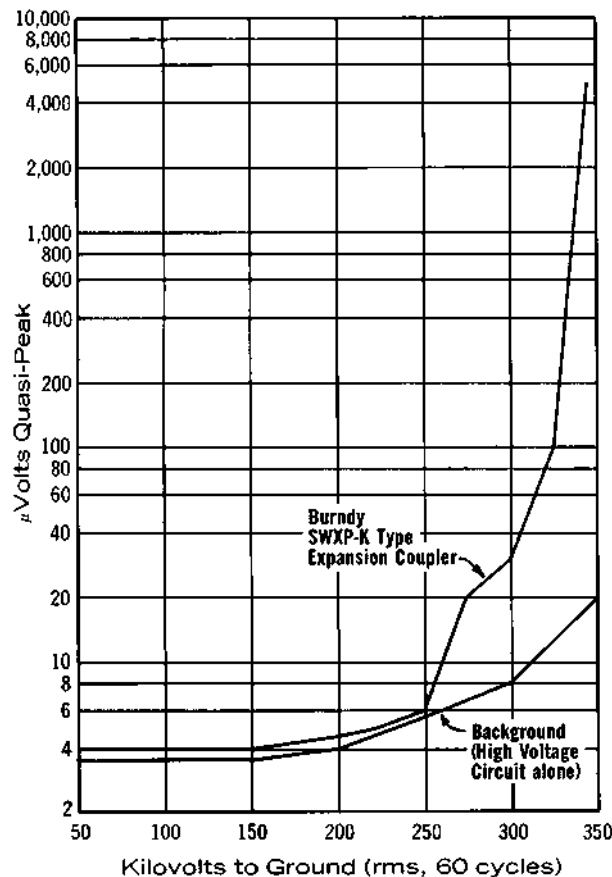
Much work has been done to establish the relationship between the corona onset voltage for contaminated as compared to clean hardware. Experiments with contaminated hardware in the BURNDY laboratory indicate that corona onset can be reduced to half of the voltage for clean hardware. However, the relationship varies with the kind of contamination, atmospheric condition and type of connector.

There have been a number of attempts to produce artificial contamination and atmospheres in laboratories. However, there is as yet no clearly established relationship between the corona performance of hardware contaminated in the laboratory. Until such a relationship is established, the only testing that provides comparable data is on clean hardware under fair weather conditions.

Conclusion

For more than 90 years, BURNDY has been designing connectors for the industry's most critical applications. Connectors for EHV are an outgrowth of this tradition. Whether your need is for catalog items or special designs, you can count on electrical, mechanical and corona-free performance, commensurate with the application.

TYPICAL CURVE

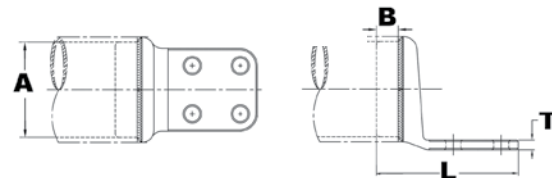
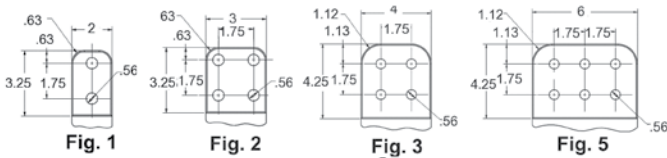
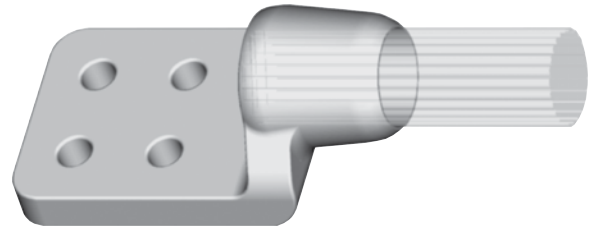


Welded Terminal Connector, Type SWA-R-N

For Cable to Two or Four Hole Pad (offset terminal)

Material: Cast 365 Aluminum Alloy

EHV Rated: up to 550 kV
when used with shielding caps



Catalog Number	Accommodates "A" Dia.		Str.	Max. Dia.	Max. Dia.	Fig. No.	B	L	T
	Alum. Cable	ACSR Cable							
SWA44R44N	700 kcmil thru 874.5 kcmil	605 kcmil thru 874.5 kcmil	26-7 30-19	0.961 [24]	1.085 [28]	3	1.50 [38]	6.25 [159]	0.50 [13]
SWA48A44N	2000 kcmil thru 2250 kcmil	2167 kcmil	72-7	1.606 [41]	1.740 [44]	3	2.62 [67]	7.50 [191]	0.82 [21]
SWA54R44N	1400 kcmil thru 1600 kcmil	1272 kcmil thru 1510.5 thru	45-7	1.341 [34]	1.470 [37]	3	2.00 [51]	6.56 [167]	0.56 [14]
SWA58R44N	1700 kcmil thru 1900 kcmil	1510.5 kcmil thru 1780 kcmil	54-49 54-19	1.471 [37]	1.605 [41]	3	2.50 [64]	7.25 [184]	0.69 [18]
SWA444A44N	900 kcmil thru 1100 kcmil	795 kcmil thru 954 kcmil	54-7	1.086 [28]	1.210 [31]	3	1.75 [44]	6.56 [167]	0.50 [13]
SWA486A44N	2300 kcmil thru 2500 kcmil	2156 kcmil thru 2300 kcmil	84-19 96-19	1.741 [44]	1.875 [48]	3	2.62 [67]	7.50 [191]	1.12 [28]
SWA486A4N	2300 kcmil thru 2500 kcmil	2156 kcmil thru 2300 kcmil	84-19 96-19	1.741 [44]	1.875 [48]	2	2.62 [67]	6.12 [156]	1.12 [28]
SWA486A66N	2300 kcmil thru 2500 kcmil	2156 kcmil thru 2300 kcmil	84-19 96-19	1.741 [44]	1.875 [48]	5	2.62 [67]	7.50 [191]	1.12 [28]
SWA493R4N	3000 kcmil	—	127 169	1.876 [48]	2.05 [52]	2	3.00 [76]	6.75 [172]	1.00 [25]

NOTES:

- Dimensions in brackets [] are in millimeters.
- DOES NOT INCLUDE SHIELDING CAPS.** For EHV applications, shielding caps are required.
- Shielding caps may be ordered separately or add suffix '-STS' to catalog number (example: SWA54R-44NSTS), includes one Type STS shielding cap.
- One surface of pad finished. For finished pad on both sides add suffix '-Q' to the catalog number (example: SWA22A-44NQ).
- For 45 or 90 degree angle add suffix '-45' or '-90' to catalog number (example: SWA54R-44N90).

Welded Terminal Connector, Type SW2A For Two Cables to Two or Four Hole Pad (offset terminal)

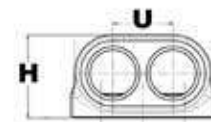
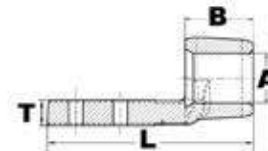
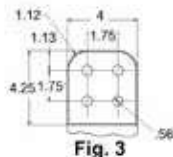
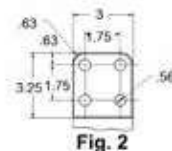
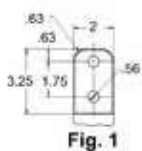
Material: Aluminum Alloy

EHV Rated: up to 550 kV
when used with shielding caps

Aluminum alloy weld type terminal for joining a range aluminum cables to pad. Drilling in pad confirms to NEMA standards. PENETROX™ joint compound recommended on pad contact surfaces.

NOTES:

1. Welding to be done by customer
2. Before welding scratch brush connector and conductor contact surface dry, then apply an oxide inhibitor.
3. Please contact factory for availability of sizes.



Catalog Number	Fig. #	A-Aluminum Stranded	A-Aluminum ACSR	B	U	L	H	T
SW2A444A44N	3	900 kcmil-1000 kcmil	795 (54/7) Condor kcmil-954 (45/7) Rail kcmil	1.75	1.62	6.25	2.21	1/2
SW2A444A44N90	3		636 (24/7) Rook kcmil-795 (54/7) Condor kcmil	1.75	1.62	6.40	1.85	14/25
SW2A44R44N90STS	3	700 kcmil-900 kcmil	2156 (64/119) kcmil-2312 (76/19) Thrasher kcmil	1.50	1.49	6.74	1.60	3/4
SW2A486A44N	3	2300 kcmil-2500 kcmil	2156 (64/119) kcmil-2167 (72/7) Kiwi kcmil	2.67	2.50	7.42	3.32	1
SW2A486A44N90	3		1510.5 (45/7) Nuthatch kcmil-1780 (54/19) kcmil	2.67	2.50	7.97	2.77	1
SW2A486A66N90	—		2167 (72/7) Kiwi kcmil	2.67	2.50	8.62	2.77	1
SW2A48A44N	3	2000 kcmil-2250 kcmil	2167 (72/7) Kiwi kcmil	2.62	2.25	7.42	3.32	1
SW2A58R44N	3	1700 kcmil-1900 kcmil	1510.5 (45/7) Nuthatch kcmil-1780 (54/19) kcmil	2.50	2.10	7.25	2.75	3/4

Substation - Welded/EHV

Welded Terminal Connector
Type SWA-A-N

Welded Terminal Connector, Type SWA-A-N For Bus to Two or Four Hole Pad (offset terminal)

Material: Cast 365 Aluminum Alloy

EHV Rated: up to 550 kV
when used with shielding caps

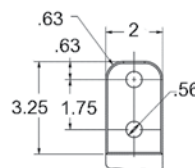
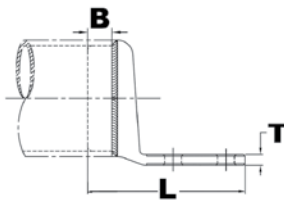
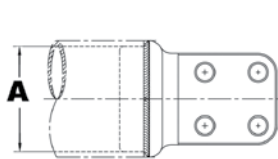


Fig. 1

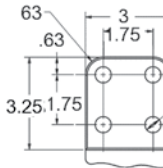


Fig. 2

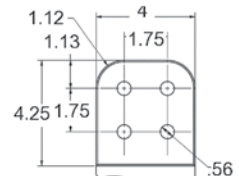


Fig. 3

Catalog Number		Accommodates "A" Dia. Alum. Tube	Fig.	B	L	T
IPS (Sch. 40)	EHPS (Sch. 80)					
SWA18A2N	SWA58A2N	2" (2.375 Dia.)	1	1.25 [32]	5.88 [149]	0.50 [13]
SWA18A34N	SWA58A34N		2	1.25 [32]	5.88 [149]	0.50 [13]
SWA18A44N	SWA58A44N		3	1.25 [32]	6.95 [177]	0.50 [13]
SWA19A2N	SWA59A2N	2-1/2" (2.875 Dia.)	1	1.50 [38]	6.36 [162]	0.56 [14]
SWA19A34N	SWA59A34N		2	1.50 [38]	6.36 [162]	0.56 [14]
SWA19A44N	SWA59A44N		3	1.50 [38]	7.40 [188]	0.56 [14]
SWA20A2N	SWA90A2N	3" (3.500 Dia.)	1	1.75 [44]	6.41 [163]	0.62 [16]
SWA20A34N	SWA90A34N		2	1.75 [44]	6.41 [163]	0.62 [16]
SWA20A44N	SWA90A44N		3	1.75 [44]	7.46 [189]	0.62 [16]
SWA21A34N	SWA91A34N	3-1/2" (4.000 Dia.)	2	1.75 [44]	6.40 [163]	0.62 [16]
SWA21A44N	SWA91A44N		3	1.75 [44]	7.47 [190]	0.62 [16]
SWA22A44N	SWA92A44N	4" (4.500 Dia.)	3	2.00 [51]	7.51 [191]	0.75 [19]
SWA23A44N	SWA93A44N	4-1/2" (5.000 Dia.)	3	2.00 [51]	7.77 [197]	0.75 [19]
SWA24A34N	SWA94A34N	5" (5.563 Dia.)	2	2.00 [51]	6.80 [173]	0.75 [19]
SWA24A44N	SWA94A44N		3	2.00 [51]	7.82 [199]	0.75 [19]
SWA86A44N	SWA96A44N	6" (6.625 Dia.)	3	2.50 [64]	7.90 [201]	1.00 [25]

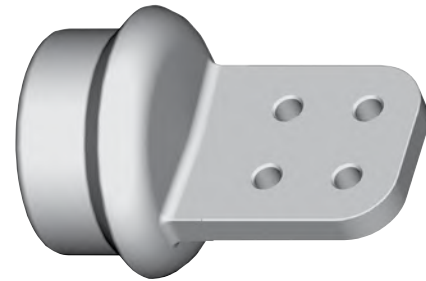
NOTES:

- Dimensions in brackets [] are in millimeters.
- DOES NOT INCLUDE SHIELDING CAPS.** For EHV applications, shielding caps are required.
- Shielding caps may be ordered separately or add suffix '-STS' to catalog number (example: SWA22A44NSTS), includes one Type STS shielding cap.
- One surface of pad finished. For finished pad on both sides add suffix '-Q' to the catalog number (example: SWA22A-44NQ).
- For 45 or 90 degree angle add suffix '-45' or '-90' to catalog number (example: SWA22A-44N90).
- For six hole NEMA pad contact factory.

Welded Terminal Connector, Type SWAC-A-N For Bus to Two or Four Hole Pad (center formed)

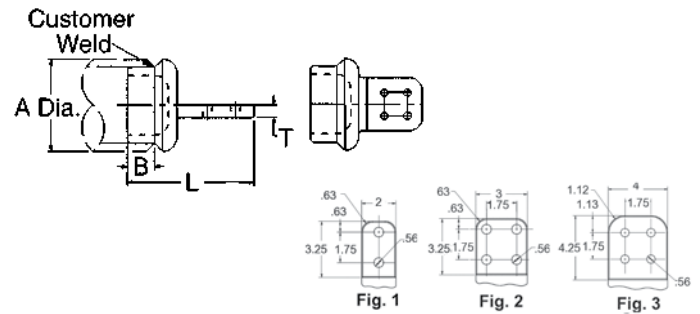
Material: Cast 365 Aluminum Alloy

EHV Rated: up to 550 kV
when used with shielding caps



NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Conductor smaller than 3 inch bus size not recommended for 550 kV
3. **DOES NOT INCLUDE SHIELDING CAPS.** For EHV applications, shielding caps are required.
4. Shielding caps may be ordered separately or add suffix '-STS' to catalog number (example: SWAC22A44NSTS), includes one Type STS shielding cap.
5. Pad surface finished on both sides of tongue.
6. For six hole NEMA pad contact factory.



Catalog Number		Conductor		Fig. No.	Dimensions In.		
IPS (Sch. 40)	EHPS (Sch. 80)	IPS	A		B	L	T
SWAC18A2N	SWAC58A2N	2"	2.38 [60]	1	1.25 [32]	5.80 [147]	0.50 [13]
SWAC18A34N	SWAC58A34N			2	1.25 [32]	5.80 [147]	0.50 [13]
SWAC18A44N	SWAC58A44N			3	1.25 [32]	6.86 [174]	0.50 [13]
SWAC19A2N	SWAC59A2N	2-1/2"	2.88 [73]	1	1.50 [38]	6.23 [158]	0.56 [14]
SWAC19A34N	SWAC59A34N			2	1.50 [38]	6.23 [158]	0.56 [14]
SWAC19A44N	SWAC59A44N			3	1.50 [38]	7.29 [185]	0.56 [14]
SWAC20A2N	SWAC90A2N	3"	3.50 [89]	1	1.75 [44]	6.30 [160]	0.62 [16]
SWAC20A34N	SWAC90A34N			2	1.75 [44]	6.30 [160]	0.62 [16]
SWAC20A44N	SWAC90A44N			3	1.75 [44]	7.36 [187]	0.62 [16]
SWAC21A34N	SWAC91A34N	3-1/2"	4.00 [102]	2	1.75 [44]	6.30 [160]	0.62 [16]
SWAC21A44N	SWAC91A44N			3	1.75 [44]	7.36 [187]	0.62 [16]
SWAC22A34N	SWAC92A34N	4"	4.50 [114]	2	2.00 [51]	6.40 [163]	0.75 [19]
SWAC22A44N	SWAC92A44N			3	2.00 [51]	7.40 [188]	0.75 [19]
SWAC23A34N	SWAC93A34N	4-1/2"	5.00 [127]	2	2.00 [51]	6.23 [158]	0.56 [19]
SWAC24A34N	SWAC94A34N	5"	5.56 [141]	2	2.00 [51]	6.68 [170]	0.75 [19]
SWAC24A44N	SWAC94A44N			3	2.00 [51]	7.72 [196]	0.75 [19]
SWAC86A44N	SWAC96A44N	6"	6.62 [168]	3	2.50 [64]	7.75 [197]	1.00 [25]

Substation - Welded/EHV

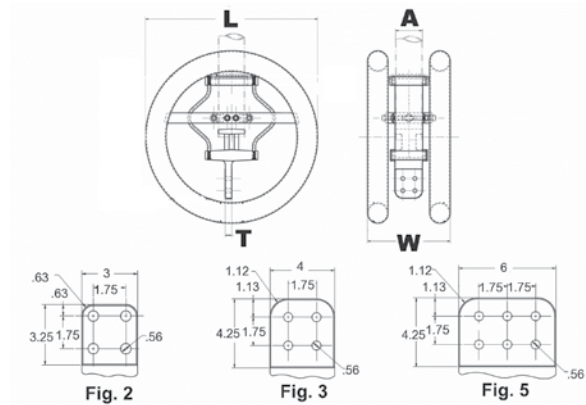
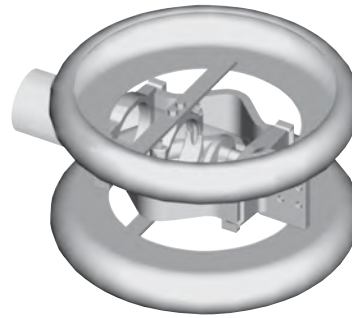
Welded Expansion Terminal
Type SWXA-A-N

Welded Expansion Terminal, Type SWXA-A-N

Expansion Terminal with Corona Rings; Bus to 4 or 6-Hole Pad

Material: Cast 356 Aluminum Alloy
Straps: Laminated Aluminum
Rings: Aluminum Alloy
Ring Mounting: Aluminum
Base Mounting: Galvanized Steel

EHV Rated: Self-Shielding up to 550 kV



Catalog Number	Accommodates "A" Dia. Alum. Tube	T	L	W Ref.	Total Movement	Installation Data	
						Bus. Temp. of	Z
SWXA20A44N	3" (3.500 Dia.) Sch 40	0.75 [19]	26.00 [660]	13.19 [335]	2.00 [51]	-20	2.50
SWXA22A44N	4" (4.500 Dia.) Sch 40	0.86 [22]		13.87 [352]		-10	2.61
SWXA24A44N	5" (5.563 Dia.) Sch 40	0.81 [21]		14.50 [368]		0	2.32
SWXA86A44N	6" (6.625 Dia.) Sch 40	1.00 [25]		15.50 [394]		10	2.21
SWXA92A44N	4" (4.500 Dia.) Sch 80	0.86 [22]		13.87 [352]		20	2.14
SWXA94A44N	5" (5.563 Dia.) Sch 80	0.86 [22]		14.50 [368]		30	2.01
						40	1.95
				50	1.86		
				60	1.77		
				70	1.68		
				80	1.57		
				90	1.50		
				100	1.41		
				110	1.32		
				120	1.23		
				130	1.14		
				140	1.04		
				150	0.95		
				160	0.86		
				170	0.77		
				180	0.68		
				190	0.59		
				200	0.50		

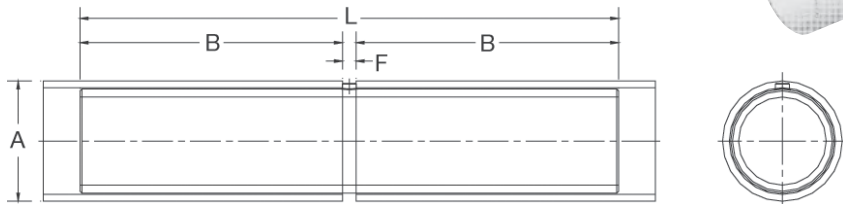
NOTES:

1. Table is based on 60/ft. max BUS run.
2. Dimensions in brackets [] are in millimeters.
3. Shielding caps not required.
4. One side of pad finished on Centerline of tubing. For finished pad on both sides add suffix '-Q' to catalog number (example: SWXA22A4NQ).
5. For six hole NEMA pad change the suffix to 66N (example: SWXA22A66N).

Welded Rigid Coupler, Type WS-A Bus to Bus Coupler

Material: Cast 356 Aluminum Alloy

EHV Rated: Self-Shielding up to 550 kV



Catalog Number	Conductor (IPS) "A" Schedule 40	Conductor (EHPS) "A" Schedule 80	Dimensions Inches		
			B	F	L
WS14A	3/4" (1.050 Dia.)	—	2.13 [54.1]	0.23 [5.8]	4.50 [114.3]
WS15A	1" (Dia.)	—	2.13 [54.1]	0.23 [5.8]	4.50 [114.3]
WS16A	1-1/4" (1.660 Dia.)	—	3.60 [91.4]	0.28 [7.1]	7.50 [190.5]
WS17A	1-1/2" (1.900 Dia.)	—	4.36 [110.7]	0.29 [7.4]	9.00 [228.6]
WS18A	2" (2.375 Dia.)	—	5.88 [149.4]	0.31 [7.9]	12.00 [304.8]
WS19A	2-1/2" (2.875 Dia.)	—	7.31 [185.7]	0.39 [9.9]	15.00 [381.0]
WS20A	3" (3.500 Dia.)	—	8.81 [223.8]	0.44 [11.2]	18.00 [457.2]
WS21A	3-1/2" (4.000 Dia.)	—	8.75 [222.3]	0.47 [11.9]	18.00 [457.2]
WS22A	4" (4.500 Dia.)	—	8.75 [222.3]	0.47 [11.9]	18.00 [457.2]
WS24A	5" (5.563 Dia.)	—	8.75 [222.3]	0.50 [12.7]	18.00 [457.2]
WS58A	6" (6.625 Dia.)	—	8.75 [222.3]	0.56 [14.2]	18.00 [457.2]
WS59A	—	2" (2.375 Dia.)	5.88 [149.4]	0.31 [7.9]	12.00 [304.8]
WS86A	—	2-1/2" (2.875 Dia.)	7.31 [185.7]	0.39 [9.9]	15.00 [381.0]
WS90A	—	3" (3.500 Dia.)	8.81 [223.8]	0.44 [11.2]	18.00 [457.2]
WS91A	—	3-1/2" (4.000 Dia.)	8.75 [222.3]	0.47 [11.9]	18.00 [457.2]
WS92A	—	4" (4.500 Dia.)	8.75 [222.3]	0.47 [11.9]	18.00 [457.2]
WS94A	—	5" (5.563 Dia.)	8.75 [222.3]	0.50 [12.7]	18.00 [457.2]
WS96A	—	6" (6.625 Dia.)	8.75 [222.3]	0.56 [14.2]	18.00 [457.2]

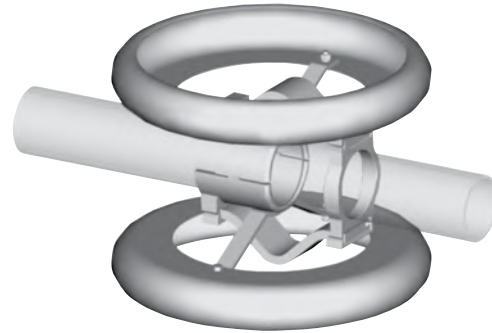
NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Conductor smaller than 3 inch bus size not recommended for 550 kV.

Welded Expansion Coupler, Type SWXP-A-A Bus to Bus Expansion

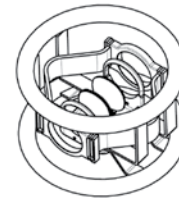
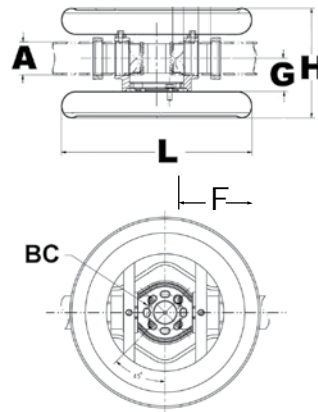
Material: Cast 356 Aluminum Alloy
Hardware: Aluminum Alloy
Corona Rings: Aluminum Alloy
Straps: Laminated Aluminum Strap

EHV Rated: Self-Shielding up to 550 kV



Installation Data	
Bus Temp F°	3 Total Movement Z
-20	0.50
-10	0.64
0	0.77
10	0.91
20	1.04
30	1.18
40	1.32
50	1.45
60	1.59
70	1.73
80	1.86
90	2.00
100	2.14
110	2.27
120	2.41
130	2.54
140	2.68
150	2.82
160	2.95
170	3.09
180	3.23
190	3.36
200	3.50

NOMINAL
POSITION



Catalog Number		"A" Dia. Alum. Tube	F	H	W	Total ① Movement
Sch. 40	Sch. 80					
SWXP20A20A	SWXP90A90A	3" (3.50 Dia.) [89]	5.25 [133]	22.00 [559]	17.05 [433]	3.00 [76]
SWXP22A22A	SWXP92A92A	4" (4.50 Dia.) [114]	6.38 [162]	22.00 [559]	18.89 [480]	4.00 [102]
SWXP24A24A	SWXP94A94A	5" (5.50 Dia.) [141]	7.88 [200]	26.00 [660]	19.25 [489]	4.00 [102]
SWXP86A86A	SWXP96A96A	6" (6.50 Dia.) [168]	8.88 [226]	26.00 [660]	20.31 [516]	4.00 [102]

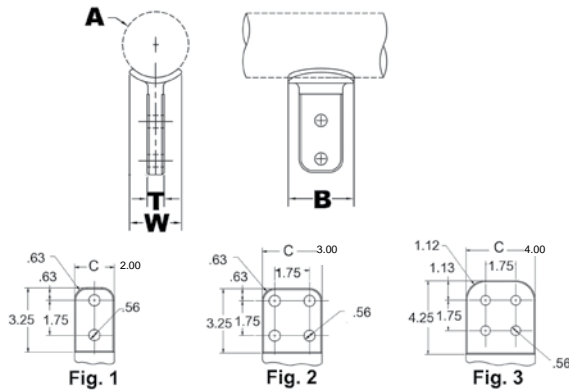
NOTES:

1. Maximum movement per end equals one-half of total movement specified in table. Table is based on 90 ft. bus run (total) or 45 ft. per end.
2. Dimensions in brackets [] are in millimeters.
3. Conductors smaller than 3 inch not recommended for 550 kV.

Welded T Connector, Type SWAB-A-N Bus to Pad

Material: Cast 356 Aluminum Alloy

EHV Rated: up to 550 kV
when used with Shielding Caps



NOTES:

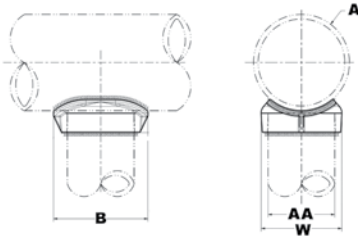
1. Dimensions in brackets [] are in millimeters.
2. Conductor smaller than 3 inch bus size not recommended for 550 kV
3. **DOES NOT INCLUDE SHIELDING CAPS.** For EHV applications, shielding caps are required.
4. Shielding caps may be ordered separately or add suffix '-STS' to catalog number (example: SWAC22A44NSTS), includes one Type STS shielding cap.
5. Pad surface finished on both sides of tongue.
6. For six hole NEMA pad contact factory.

Catalog Number	Complete Range Aluminum Tube	Fig. #	Dimensions - Inches					
			B	T	W	Aluminum IPS Pipe		
						Nominal	A	Y
SWAB19A2N	1" to 2-1/2"	1	3.00 [76]	0.38 [10]	1.32 [34]	1"	1.32 [34]	4.45 [113]
						1-1/4"	1.66 [42]	4.67 [119]
						1-1/2"	1.90 [48]	4.80 [122]
SWAB19A34N	1" to 2-1/2"	2	4.00 [102]	0.50 [13]	1.32 [34]	2"	2.38 [60]	5.08 [129]
						2-1/2"	2.88 [73]	5.32 [135]
SWAB22A2N	2-1/2" to 4"	1	3.00 [76]	0.75 [19]	2.40 [61]	2-1/2"	2.88 [73]	5.25 [133]
						3"	3.50 [89]	5.62 [143]
SWAB22A34N	2-1/2" to 4"	2	4.00 [102]	0.75 [19]	2.40 [61]	3-1/2"	4.00 [102]	5.92 [150]
SWAB22A44N		3	4.50 [114]	0.75 [19]	2.40 [61]	4"	4.50 [114]	6.21 [158]
SWAB86A2N	3" to 6"	1	3.00 [76]	1.00 [25]	2.62 [67]	3"	3.50 [89]	5.58 [142]
						3-1/2"	4.00 [102]	6.08 [154]
						4"	4.50 [114]	6.36 [162]
						4-1/2"	5.00 [127]	6.36 [162]
SWAB86A34N	3" to 6"	2	4.00 [102]	1.00 [25]	2.62 [67]	5"	5.56 [141]	6.67 [169]
SWAB86A44N		3	4.50 [114]	1.00 [25]	2.62 [67]	6"	6.62 [168]	7.24 [184]

Welded T Connector, Type SWT-A-A Bus to Bus T Connector

Material: Cast 356 Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV



Catalog Number	Run 'A' Aluminum Tube	Tap 'AA' Aluminum Tube		Run Data		Dimensions Inches	
		Tube	AA	Nom. Tube	A	B	W
SWT17A17A	1-1/2"	1/2"	1.90 [48]	1-1/2"	1.90 [48]	3.19 [81]	2.64 [67]
SWT19A19A	2 1/2"	2-1/2"	2.88 [27]	2-1/2"	2.88 [73]	4.00 [54]	3.78 [96]
SWT21A14A	2" To 3-1/2"	3/4"	1.05 [28]	2"	2.38 [60.4]	2.12 [54]	1.75 [44]
				2-1/2"	2.88 [73]		
				3"	3.50 [89]		
				3-1/2"	4.00 [102]		
SWT21A15A	2" To 3-1/2"	1"	1.32 [34]	2"	2.38 [60.4]	2.38 [60.4]	2.28 [60]
				2-1/2"	2.88 [73]		
				3"	3.50 [89]		
				3-1/2"	4.00 [102]		
SWT21A16A	2" To 3-1/2"	1-1/4"	1.66 [42]	2"	2.38 [60.4]	2.69 [68]	2.36 [60]
				2-1/2"	2.88 [73]		
				3"	3.50 [89]		
				3-1/2"	4.00 [102]		

NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Conductor smaller than 3 inch bus size not recommended for 550 kV.

Welded T Connector, Type SWT-A-A (Continued)

Catalog Number	Run 'A' Aluminum Tube	Tap 'AA' Aluminum Tube		Run Data		Dimensions Inches	
		Tube	AA	Nom. Tube	A	B	W
SWT21A17A	2" To 3-1/2"	1-1/2"	1.90 [48]	2"	2.38 [60.4]	3.19 [81]	2.62 [67]
				2-1/2"	2.88 [73]		
				3"	3.50 [89]		
				3-1/2"	4.00 [102]		
SWT21A18A	2" To 3-1/2"	2"	2.38 [60.4]	2"	2.38 [60.4]	4.00 [102]	3.33 [84]
				2-1/2"	2.88 [73]		
				3"	3.50 [90]		
				3-1/2"	4.00 [102]		
SWT21A19A	2" To 3-1/2"	2-1/2"	2.88 [73]	2-1/2"	2.88 [73]	4.00 [102]	3.78 [96]
				3"	3.50 [90]		
				3-1/2"	4.00 [102]		
SWT21A20A	2" To 3-1/2"	3"	3.50 [90]	3"	3.50 [102]	4.56 [116]	4.52 [115]
				3-1/2"	4.00 [102]		
SWT22A18A	4"	2"	2.38 [60.4]	4"	4.50 [114]	4.00 [102]	3.50 [102]
SWT22A19A		2-1/2"	2.88 [73]			4.00 [102]	4.80 [122]
SWT22A20A		3"	3.50 [102]			4.56 [116]	4.50 [114]
SWT22A21A		3-1/2"	4.00 [102]			5.50 [140]	5.00 [127]
SWT22A22A		4"	4.50 [114]			6.00 [152]	5.60 [142]
SWT24A20A	5"	3"	3.50 [48]	5"	5.56 [141]	4.72 [102]	3.50 [102]
SWT24A21A		3-1/2"	4.00 [102]			5.50 [140]	5.00 [127]
SWT24A22A		4"	4.50 [114]			6.00 [152]	5.60 [142]
SWT24A24A		5"	5.56 [141]			7.38 [187]	6.84 [174]
SWT86A20A	6"	3"	3.50 [48]	6"	6.62 [168]	4.56 [116]	5.00 [127]
SWT86A21A		3-1/2"	4.00 [102]			5.50 [140]	5.50 [140]
SWT86A22A		4"	4.50 [114]			6.00 [152]	6.66 [169]
SWT86A24A		5"	5.56 [141]			7.38 [187]	6.84 [174]
SWT86A86A		6"	6.62 [168]			8.00 [203]	8.00 [203]

NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Conductor smaller than 3 inch bus size not recommended for 550 kV.

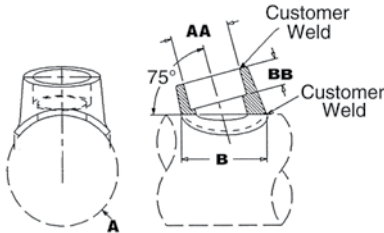
Substation - Welded/EHV

Welded T Connector
Type SWT-A-A-75

Welded T Connector, Type SWT-A-A-75
Bus "A" Frame Connector, 75°

Material: Cast 356 Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV



Catalog Number	Aluminum Tube				Dimensions In.	
	Run		Tap		B	BB
	Nominal	A	Nominal	AA		
SWT18A16A75	2"	2.38 [60.4]	1-1/4"	1.66 [42]	2.69 [68]	1.00 [25]
SWT18A17A75	2"	2.38 [60.4]	1-1/2"	1.90 [48]	3.19 [81]	1.00 [25]
SWT19A16A75	2-1/2"	2.88 [73]	1-1/4"	1.66 [42]	2.69 [68]	1.00 [25]
SWT19A17A75	2-1/2"	2.88 [73]	1-1/2"	1.90 [48]	3.19 [81]	1.00 [25]
SWT19A18A75	2-1/2"	2.88 [73]	2"	2.38 [60]	4.00 [102]	1.00 [25]
SWT20A17A75	3"	3.50 [89]	1-1/2"	1.90 [48]	3.19 [81]	1.00 [25]
SWT20A18A75	3"	3.50 [89]	2"	2.38 [60]	4.00 [102]	1.00 [25]
SWT20A19A75	3"	3.50 [89]	1-1/2"	2.88 [73]	4.00 [102]	1.38 [35]
SWT21A16A75	3-1/2"	4.00 [102]	1-1/4"	1.66 [42]	2.69 [68]	1.00 [25]
SWT21A17A75	3-1/2"	4.00 [102]	1-1/2"	1.90 [48]	3.19 [81]	1.00 [25]
SWT21A18A75	3-1/2"	4.00 [102]	2"	2.38 [42]	4.00 [68]	1.00 [25]
SWT21A19A75	3-1/2"	4.00 [102]	1-1/2"	2.88 [73]	4.00 [68]	1.38 [35]
SWT22A18A75	4"	4.50 [114]	2"	2.38 [60]	4.18 [105]	1.00 [25]
SWT22A19A75	4"	4.50 [114]	1-1/2"	2.88 [73]	4.00 [102]	1.38 [35]
SWT22A20A75	4"	4.50 [114]	3"	3.50 [89]	4.56 [116]	1.38 [35]
SWT24A18A75	5"	5.56 [141]	2"	2.38 [60]	4.00 [102]	1.00 [25]
SWT24A19A75	5"	5.56 [141]	1-1/2"	2.88 [73]	4.00 [102]	1.38 [35]
SWT24A20A75	5"	5.56 [141]	3"	3.50 [89]	4.56 [116]	1.38 [35]
SWT86A20A75	6"	6.62 [168]	3"	3.50 [89]	4.56 [116]	1.38 [35]
SWT86A21A75	6"	6.62 [168]	3-1/2"	4.00 [102]	5.50 [140]	1.38 [35]
SWT86A22A75	6"	6.62 [168]	4"	4.50 [114]	6.00 [152]	1.38 [35]

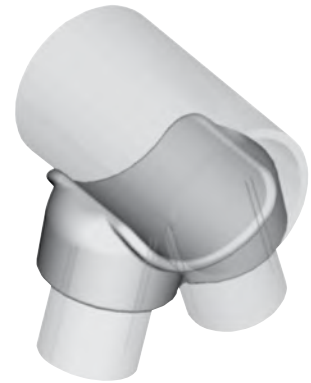
NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Conductor smaller than 3 inch bus size not recommended for 550 kV.

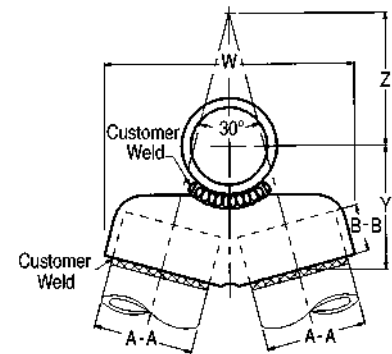
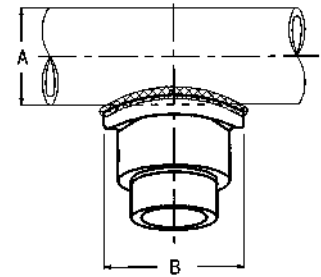
Welded V Connector, Type SWAT-A-A-30 Bus "A" Frame Connector, 30°

Material: Cast 356 Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV



Catalog Number	Aluminum I.P.S.		B	B-B	W	Y	Z
	Run "A"	Tap "A-A"					
SWAT18A16A30	2" (2.375 Dia.)	1-1/4" (1.660 Dia.)	3.25 [83]	1.00 [25]	4.81 [122]	3.19 [81]	1.79 [45]
SWAT18A17A30		1-1/2" (1.900 Dia.)	3.50 [89]	1.00 [25]	5.25 [133]	3.00 [76]	2.34 [59]
SWAT18A18A30		2" (2.375 Dia.)	4.00 [102]	1.00 [25]	6.38 [160]	3.12 [71]	3.46 [88]
SWAT19A16A30	2-1/2" (2.875 Dia.)	1-1/4" (2.375 Dia.)	3.25 [83]	1.00 [25]	4.82 [122]	3.31 [84]	1.74 [44]
SWAT19A17A30		1-1/2" (1.900 Dia.)	3.50 [89]	1.00 [25]	5.25 [132]	3.28 [83]	2.00 [51]
SWAT19A18A30		2" (2.375 Dia.)	4.00 [102]	1.00 [25]	6.19 [157]	3.19 [81]	3.04 [77]
SWAT20A17A30	3" (3.500 Dia.)	1-1/2" (1.900 Dia.)	3.50 [89]	1.00 [25]	5.12 [130]	3.44 [87]	1.87 [47]
SWAT20A18A30		2" (2.375 Dia.)	4.00 [102]	1.00 [25]	6.25 [159]	3.50 [89]	2.71 [69]
SWAT20A19A30		2-1/2" (2.875 Dia.)	4.38 [111]	1.38 [35]	7.19 [183]	3.88 [99]	3.41 [87]
SWAT21A16A30	3-1/2" (4.000 Dia.)	1-1/4" (2.375 Dia.)	3.25 [83]	1.00 [25]	5.06 [129]	3.34 [85]	2.07 [53]
SWAT21A17A30		1-1/2" (1.900 Dia.)	3.50 [89]	1.00 [25]	5.25 [132]	3.44 [87]	1.97 [50]
SWAT21A18A30		2" (2.375 Dia.)	4.00 [102]	1.00 [25]	6.31 [160]	3.16 [80]	2.68 [68]
SWAT21A19A30		2-1/2" (2.0875 Dia.)	4.38 [111]	1.38 [35]	7.38 [187]	4.00 [102]	3.09 [78]
SWAT21A20A30		3" (3.500 Dia.)	5.00 [127]	1.38 [35]	8.38 [213]	4.12 [105]	4.21 [107]
SWAT22A18A30		4" (4.500 Dia.)	2" (2.375 Dia.)	4.00 [102]	1.00 [25]	6.50 [165]	3.81 [97]	2.82 [72]
SWAT22A19A30	2-1/2" (2.875 Dia.)		4.38 [111]	1.38 [35]	7.41 [188]	4.09 [104]	3.13 [80]
SWAT22A20A30	3" (3.500 Dia.)		5.12 [130]	1.38 [38]	8.62 [219]	4.28 [109]	4.05 [103]
SWAT24A18A30	5" (5.563 Dia.)	2" (2.375 Dia.)	4.00 [102]	1.00 [25]	6.50 [165]	3.81 [97]	3.06 [78]
SWAT24A19A30		2-1/2" (2.875 Dia.)	4.38 [111]	1.38 [35]	7.38 [187]	4.47 [114]	2.87 [73]
SWAT24A20A30		3" (3.500 Dia.)	2.12 [130]	1.38 [35]	8.62 [219]	4.62 [117]	3.76 [96]
SWAT86A20A30	6" (6.625 Dia.)	3" (3.500 Dia.)	5.12 [130]	1.38 [35]	8.69 [221]	4.81 [122]	3.57 [91]
SWAT86A21A30		3-1/2" (4.000 Dia.)	5.88 [149]	1.38 [35]	9.69 [246]	5.19 [132]	4.11 [104]
SWAT86A22A30		4" (4.500 Dia.)	6.25 [159]	1.38 [35]	10.62 [270]	5.00 [127]	5.15 [131]



NOTES:

1. Dimensions in brackets [] are in millimeters
2. Conductor smaller than 3 inch bus size not recommended for 550 kV.

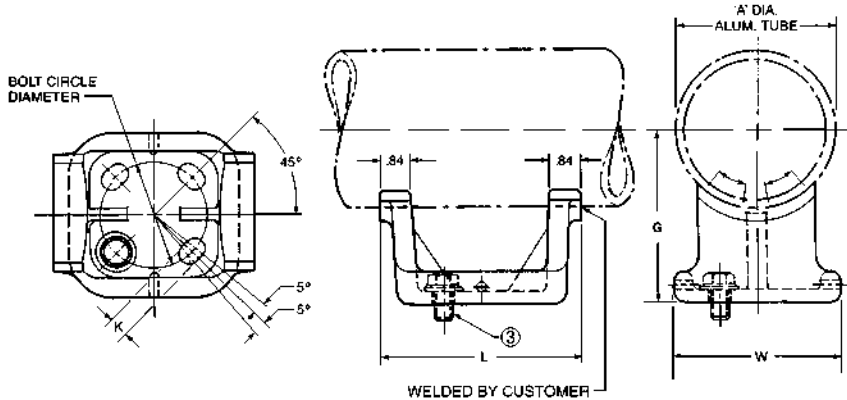
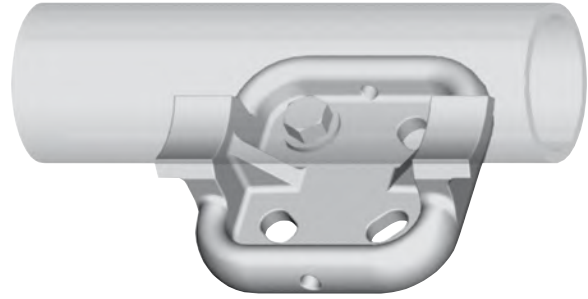
Substation - Welded/EHV

Welded Rigid Bus Support
Type SWOH-A

Welded Bus Support, Type SWOH-A Fixed Bus Support to Insulator

Material: Cast 356 Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV
when used on Corona Free
Post Insulators



Catalog Number	"A" Dia. Alum. Tube	Bolt Circle Dia.	G	K	L	W
SWOH18A3	2.37" (2.375 Dia.) [60]	3.00 [76]	2.75 [70]	0.56 [14]	5.60 [142]	4.96 [126]
SWOH18A5		5.00 [127]		0.69 [18]	7.48 [190]	6.76 [172]
SWOH19A3	2-1/2" (2.875 Dia.) [73]	3.00 [76]	3.12 [79]	0.56 [14]	6.06 [154]	5.19 [132]
SWOH19A5		5.00 [127]		0.69 [18]	7.62 [194]	6.80 [173]
SWOH20A3	3" (3.500 Dia.) [89]	3.00 [76]	3.00 [76]	0.56 [14]	5.78 [147]	4.96 [126]
SWOH20A5		5.00 [127]		0.69 [18]	7.20 [183]	6.29 [160]
SWOH21A5	3-1/2" (4.000 Dia.) [102]	5.00 [127]	4.00 [102]	0.69 [18]	7.58 [193]	6.76 [172]
SWOH22A3	4" [114]	3.00 [76]	4.50 [114]	0.56 [14]	5.82 [148]	4.96 [126]
SWOH22A5		5.00 [127]		0.69 [18]	7.68 [195]	6.57 [167]
SWOH24A5	5" [141]	5.00 [127]	5.00 [127]	0.69 [18]	7.68 [195]	6.57 [167]
SWOH86A5	6" [168]	5.00 [127]	5.50 [140]	0.69 [18]	7.68 [195]	6.57 [167]

NOTES:

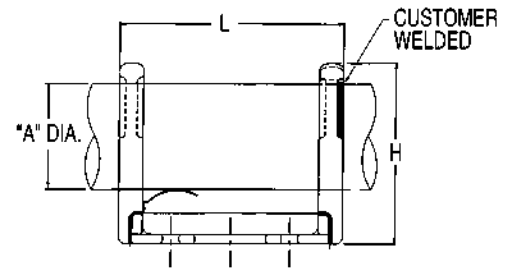
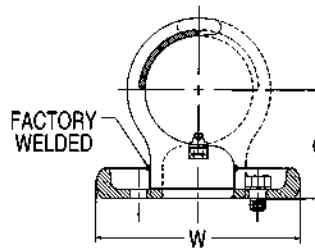
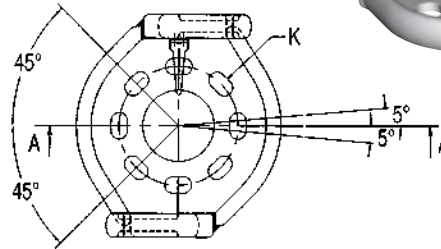
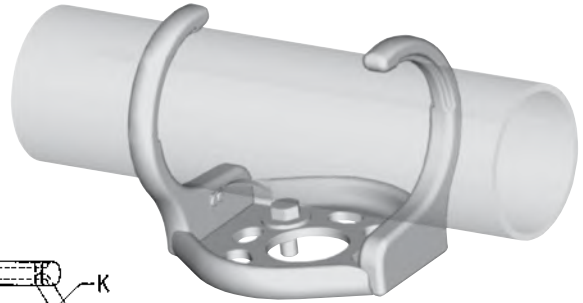
1. Dimensions in brackets [] are in millimeters.
2. "G" dimension conforms to NEMA standards.
3. Cap mounting (galvanized steel) hardware supplied as standard. For Base Mounting hardware add '-B' suffix to catalog number (example: SWOH22A-5B).
4. Conductors smaller than 3 inch bus size not recommended for 550 kV

Welded Rigid or Slip Fit Bus Support, Type SWHRH-A

Fixed or Slip Fit Bus Support to Insulator

Material: Cast 356 Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV
when used on Corona Free
Post Insulators



NOTES:

1. Dimensions in brackets [] are in millimeters.
2. "G" dimension conforms to NEMA standards.
3. Cap mounting (galvanized steel) hardware supplied as standard. For Base Mounting hardware add "-B" suffix to catalog number (example: SWHRH22A-5B).
4. Conductors smaller than 3 inch bus size not recommended for 550 kV

Catalog Number		Aluminum Conductor		G	H	3" Bolt Circle			5" Bolt Circle		
3" Bolt Circle	5" Bolt Circle	IPS/EHPS	"A" Dia.			K	L	W	K	L	W
SWHRH18A3CH	SWHRH18A5CH	2"	2.38 [60]	2.75 [70]	4.58 [116]	0.56 X 0.75 [14 X 19]	7.76 [197]	6.62 [159]	0.69 X 0.88 [18 X 22]	9.37 [238]	8.61 [219]
SWHRH19A3CH	SWHRH19A5CH	2-1/2"	2.88 [73]	3.12 [79]	5.21 [132]						
SWHRH20A3CH	SWHRH20A5CH	3"	3.50 [89]	3.62 [92]	6.15 [156]						
SWHRH21A3CH	SWHRH21A5CH	3-1/2"	4.00 [102]	4.00 [102]	6.77 [172]						
SWHRH22A3CH	SWHRH22A5CH	4"	4.50 [114]	4.50 [114]	7.52 [191]						
SWHRH24A3CH	SWHRH24A5CH	5"	5.56 [141]	5.00 [127]	8.68 [220]						
SWHRH86A3CH	SWHRH86A5CH	6"	6.63 [168]	5.50 [140]	9.71 [247]			8.61 [219]			

Welded Vertical Bus Support, Type SWVH-A Bus to Insulator; Vertical Position

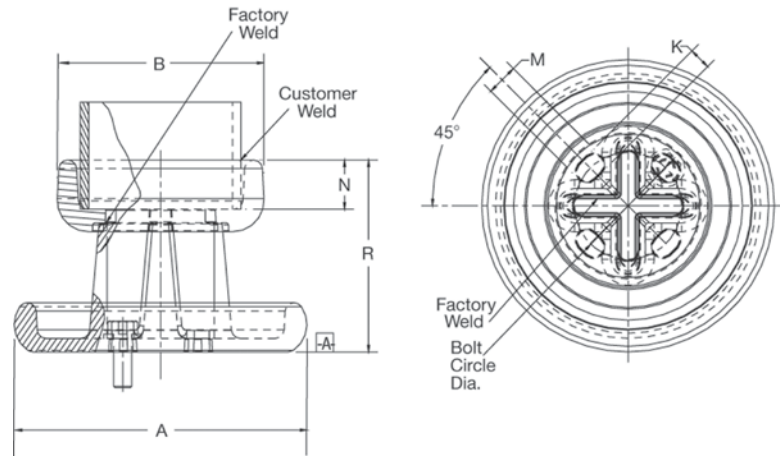
Material: Cast 356 Aluminum Alloy
Hardware: Galvanized Steel
Straps: Laminated Aluminum Strap

EHV Rated: Self Shielding up to 550 kV



NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Cap mounting hardware supplied as standard. For Base Mounting hardware add '-B' suffix to catalog number (example: SWVH22A5B).
3. Conductors smaller than 3 inch bus size not recommended for 550 kV

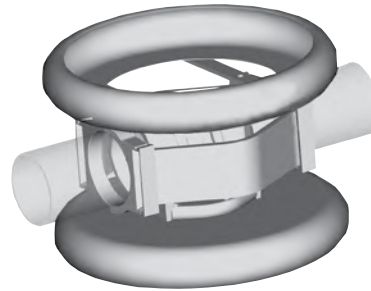


Catalog Number	Accommodates	Bolt Circle Dia.	"A" Dia.	"B" Dia.	"K" & "M" Slot	N	R
SWVH19A5	2-1/2" IPS (2.88 Dia.) (73)	5"	8.19 [208]	4.16 [106]	0.69 x 1.12 [18] [28]	1.38 [35]	5.38 [137]
SWVH19A7	Alum. Tube	7"	10.25 [260]		0.81 x 1.44 [21] [37]		
SWVH20A5	3" IPS (3.50 Dia.) (89)	5"	8.19 [208]	4.79 [122]	0.69 x 1.12 [18] [28]		
SWVH20A7	Alum. Tube	7"	10.25 [260]		0.81 x 1.44 [21] [37]		
SWVH22A5	4" IPS (4.50 Dia.) (114)	5"	8.19 [208]	5.79 [147]	0.69 x 1.12 [18] [28]		
SWVH22A7	Alum. Tube	7"	10.25 [260]		0.81 x 1.44 [21] [37]		
SWVH24A5	5" IPS (5.56 Dia.) (141)	5"	8.19 [208]	6.87 [175]	0.69 x 1.12 [18] [28]		
SWVH86A5	6" IPS (6.63 Dia.) (168)	5"	8.19 [208]		7.93 [201]			0.69 x 1.12 [18] [28]
SWVH86A7	Alum. Tube	7"	10.25 [260]	0.81 x 1.44 [21] [37]			

Expansion Bus Support Coupler, Type SWXHP-A
Bus to Bus Expansion Coupler to Insulator

Material: Cast 356 Aluminum Alloy
Corona Rings: Aluminum Alloy
Straps: Laminated Aluminum Strap

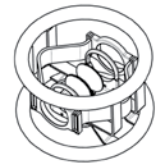
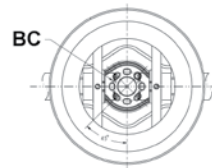
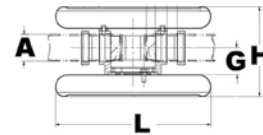
EHV Rated: Self-Shielding up to 550 kV



NOTES:

*Conforms to NEMA standards

1. Maximum movement per end equals one-half of total movement specified in table.
2. Dimensions in brackets [] are in millimeters.
3. Cap mounting (galvanized steel) hardware supplied as standard. For Base Mounting hardware add '-B' suffix to catalog number (example: SWXHP20A5B).
4. Conductors smaller than 3 inch bus size not recommended for 550 kV
5. Bus support couplers are supplied without bus end plugs. If end plugs are required, add suffix '-EP' to catalog number (example: SWXHP20A5EP)
6. Table 3" Movement Z Reference is based on 80 ft max. bus run (total) or 40 ft per end
7. Table 4" Movement Z Reference is based on 110 ft max. bus run (total) or 55 ft per end



Catalog Number		"A" Dia. Alum. Tube	Bolt Circle Dia.	G*	H	L	Total Movement (note 1)
Sch 40	Sch 80						
SWXHP19A5	SWXHP59A5	2-1/2" (2.88 Dia.) [73]	5.00 [127]	3.12 [79]	12.77 [18]	26.00 [660]	3.00 [76]
SWXHP20A5	SWXHP90A5	3" (3.50 Dia.) [89]	5.00 [127]	3.62 [92]	13.62 [18]		3.00 [76]
SWXHP21A5	SWXHP91A5	3-1/2" (4.00 Dia.) [102]	5.00 [127]	4.00 [102]	14.25 [18]		3.00 [76]
SWXHP22A5	SWXHP92A5	4" (4.50 Dia.) [114]	5.00 [127]	4.50 [114]	14.90 [18]		4.00 [102]
SWXHP24A5	SWXHP94A5	5" (5.56 Dia.) [141]	5.00 [127]	5.25 [133]	16.31 [18]		4.00 [102]
SWXHP86A5	SWXHP96A5	6" (6.63 Dia.) [168]	5.00 [127]	5.50 [140]	17.34 [18]		4.00 [102]

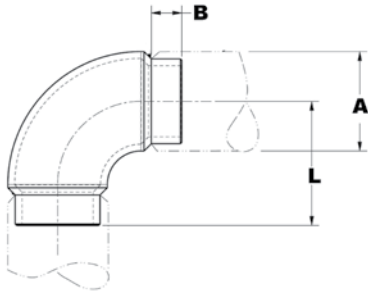
Installation Data		
Bus Temp F°	3" Total Movement	4" Total Movement
	Z (note 6)	Z (note 7)
-20	0.75	0.75
-10	0.82	0.84
0	0.89	0.83
10	0.95	1.02
20	1.02	1.11
30	1.09	1.20
40	1.16	1.29
50	1.23	1.39
60	1.30	1.48
70	1.36	1.57
80	1.43	1.66
90	1.50	1.75
100	1.57	1.84
110	1.64	1.93
120	1.70	2.02
130	1.77	2.11
140	1.84	2.20
150	1.91	2.29
160	1.98	2.39
170	2.05	2.48
180	2.11	2.57
190	2.18	2.66
200	2.25	2.75

NOMINAL POSITION

Welded Elbow, Type SWL-A
Bus to Bus Elbow, 90°

Material: Cast 356 Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV



NOTES:

1. Dimensions in brackets [] are in millimeters.
2. Conductors smaller than 3 inch bus size not recommended for 550 kV
3. For 45° angle, add suffix '-45' to catalog number (example: SWL22A-45)

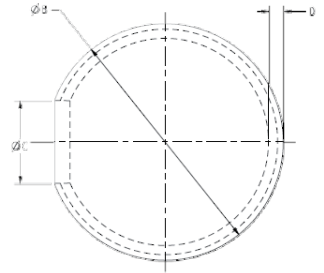
Catalog Number		Conductor Aluminum Tubing Size	Dimensions In./[mm]		
Sch. 40	Sch. 80		A Dia.	B	L
SWL18A	SWL58A	2"	2.38 [60.4]	1.00 [25]	3.50 [89]
SWL19A	SWL59A	2-1/2"	2.88 [73]	1.38 [35]	3.88 [99]
SWL20A	SWL90A	3"	3.50 [89]		4.68 [119]
SWL21A	SWL91A	3-1/2"	4.00 [102]		5.12 [130]
SWL22A	SWL92A	4"	4.50 [114]		5.63 [143]
SWL24A	SWL93A	5"	5.56 [141]	1.62 [41]	6.16 [156]
SWL86A	SWL96A	6"	6.63 [168]		6.16 [156]

Welded Spherical Coupler, Type WSBC-A

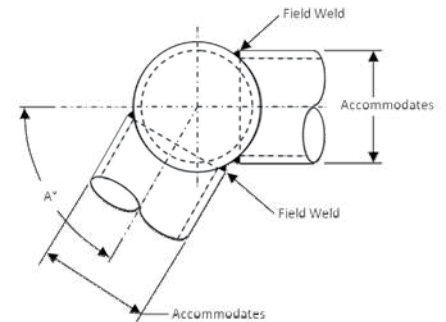
Streamlined, Variable Angle;
For Use on Aluminum Pipe to Pipe Connections

Material: Aluminum Alloy

EHV Rated: Self Shielding at operating voltages up to 500 kV



Catalog Number	Conductor Range	Max kV	A° Max	⊙ B	⊙ C	D
WSBC74A	1-1/2" SPS	230	130°	5.00 [127]	1.75 [44]	.31 [8]
	2" SPS		115°			
	2-1/2" SPS		105°			
	3" SPS		90°			
	3-1/2" SPS		80°			
	4" SPS		50°			
WSBC83A	3" SPS - 5" SPS	345	90°	8.00 [203]	2.75 [70]	.44 [11]
	6" SPS		60°			
	8" OD SPS		40°			
WSBC128A	3" SPS	500	140°	12.00 [305]	2.75 [70]	.38 [10]
	3-1/2" SPS		135°			
	4" SPS		130°			
	5" SPS		120°			
	6" SPS		100°			
	8" OD SPS		90°			



NOTES:
1. Dimensions in brackets [] are in millimeters.

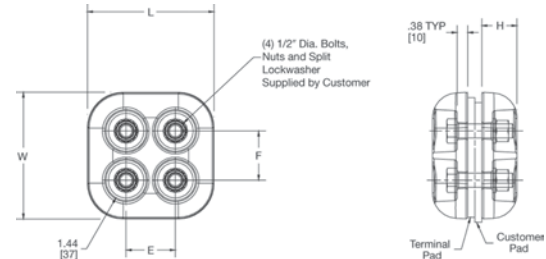
Type STS-A-NCG, Single Piece

Terminal Pad Cap; EHV

Bolted 1-piece terminal pad cap of cast Aluminum; Stainless Steel Hardware.

Material: Aluminum Alloy

EHV Rated: Self Shielding at operating voltages up to 500 kV



Catalog Number	E	F	H	L	W	Maximum Shielded Area
STS44ACG10	1.75 [44]	1.75 [44]	1.50 [38]	4.00 [102]	4.00 [102]	3.5 x 3.5
STS44A4NCG2	1.75 [44]	1.75 [44]	1.25 [32]	4.50 [114]	4.50 [114]	4 x 4
STS46A6NCG1	1.75 [44]	1.75 [44]	1.25 [32]	4.50 [114]	6.50 [165]	6 x 4

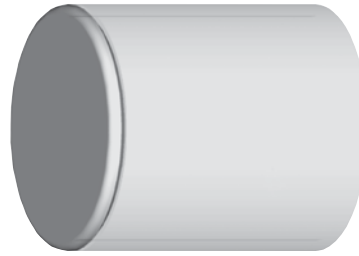
NOTES:
1. Dimensions in brackets [] are in millimeters.
2. Catalog number is for one shielding cap only. If more than one is required, specify total quantity.

End Plug, Type WLB-A

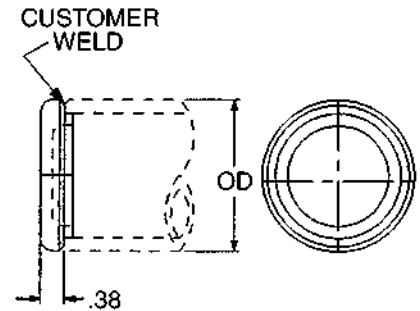
Bus to End Cap;
used with shielded bus support/expansion couplers

Material: Cast 356 Aluminum Alloy

EHV Rated: up to 550 kV
when used with shielded bus and
expansion connectors



Catalog Number		O.D.	Conductor Aluminum Tubing Size
Sch. 40	Sch. 80		
WLB15A	WLB55A	1.32 [34]	1"
WLB16A	WLB56A	1.66 [42]	1-1/4"
WLB17A	WLB57A	1.90 [48]	1-1/2"
WLB18A	WLB58A	2.38 [60]	2"
WLB19A	WLB59A	2.88 [73]	2-1/2"
WLB20A	WLB90A	3.50 [89]	3"
WLB21A	WLB91A	4.00 [102]	3-1/2"
WLB22A	WLB92A	4.50 [114]	4"
WLB24A	WLB94A	5.56 [141]	5"
WLB86A	WLB96A	6.62 [168]	6"



NOTES:

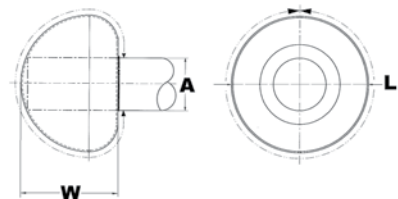
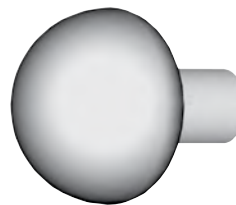
1. Dimensions in brackets [] are in millimeters.
2. Conductor smaller than 3 inch bus size not recommended for 550 kV.

Corona Bell, Type SCB-A

Bus to Corona Bell

Material: Aluminum Alloy

EHV Rated: Self Shielding up to 550 kV



Catalog Number	Accommodates 'A' Dia. Aluminum Tube
SCB19A	2-1/2" (2.875 Dia.)
SCB20A	3" (3.500 Dia.)
SCB21A	3-1/2" (4.000 Dia.)
SCB22A	4" (4.500 Dia.)
SCB24A	5" (5.563 Dia.)
SCB86A	6" (6.625 Dia.)

NOTES:

1. For bolted design contact factory.
2. Dimensions in brackets [] are in millimeters.
3. Conductor smaller than 3 inch bus size not recommended for 550 kV.

Table of Contents

Installation Tools Introduction..... N-4
 Tool Center..... N-4
 Limited Warranty..... N-4
 Repair Policy..... N-4
 Return Procedure..... N-4

Important Notes..... N-5
 Battery Tool Accessories..... N-5

T3 Technology Battery Crimpers
 PAT750T3, 12 Ton, C-Head, T3 Technology..... N-7

Battery Crimpers
 PAT46LWS, 15 Ton, C-Head..... N-8
 PAT46LW, 15 Ton, Latch Head..... N-9
 PAT750, 12 Ton, C-Head..... N-10
 PAT444S, 11 Ton, C-Head, Dieless..... N-11
 PAT644, 11 Ton, Latch Head, Dieless..... N-12
 PAT81KFT, 6 Ton, Latch Head, Dieless..... N-13
 PAT4PC834, 6 Ton, C-Head, Dieless..... N-14
 PAT600, 6 Ton, Latch Head..... N-15
 PAT500SJ, 6 Ton, Pistol Style, Scissor Action..... N-16
 PATMD-LW, 6 Ton, IN-LINE®, Scissor Action..... N-17

Hand Operated Crimpers
 Y750HSXT, 12 Ton, C-Head..... N-18
 Y35, 12 Ton, C-Head..... N-19
 Y644HSXT, 11 Ton, Latch Head, Dieless..... N-20
 Y81KFT, 6 Ton, Latch Head, Dieless..... N-21
 Y4PC834, 6 Ton, C-Head, Dieless..... N-22
 Y500CTHS, 6 Ton, Latch Head..... N-23

Remote Operated Crimpers
 Y60LW, 60 Ton, Latch Head..... N-24
 Y46LWSBH, 15 Ton, C-Head..... N-25
 Y46LWBH, 15 Ton, Latch Head..... N-26
 Y45, 15 Ton, C-Head..... N-27
 Y750BHXT, 12 Ton, C-Head..... N-28
 Y35BH, 12 Ton, C-Head..... N-29
 Y444SBH, 11 Ton, C-Head, Dieless..... N-30
 Y81KFTMBH, 6 Ton, Latch Head, Dieless..... N-31
 Y4PC834MBH, 6 Ton, C-Head, Dieless..... N-32
 Y34BH, 9 Ton, C-Head..... N-33
 Y29BH, 4.5 Ton, C-Head..... N-34

Plier Hand Tools
 Y10D, Nylon/Bare, #22-10 AWG..... N-35
 Y1022, Nylon/Vinyl/Bare, #22-10 AWG..... N-35



Battery Crimpers



Hand Operated Crimpers



Remote Powered Crimpers



Plier Hand Tools



Ferrule Installation Tools

Table of Contents

Ferrule Installation Tools

YF2210FL, Front Load, Dieless, Insulated/Bare #22-10 AWG.....	N-36
YFTOOL Series, Ratchet, from #32 AWG to 250 kcmil	N-37

Mechanical Tools

Y8MRB1, Hand-held Ratchet, #22-8 AWG	N-38
MR8, Fully Protected Ratchet Mechanism for Critical Applications.....	N-39
MRE1022 Series, Ratchet, #22-10 AWG, Nylon/Vinyl and Bare.....	N-40
MR Series, Ratchet, #22-10 AWG, Nylon, Vinyl, Bare.....	N-41
MR4, Ratchet, #9-4 AWG, Bare.....	N-42
Y1MRTC, Rotating Die, Ratchet, #8-1 AWG Copper / #14-4 Thin Wall C-Taps.....	N-43
Y122CMR, Ratchet, #12-2 Stranded, Solid, Flex.....	N-44
Y122CMRKIT, Ratchet Tool with select long barrel connectors.....	N-45
Y122CMRCKIT, Ratchet Tool with select standard barrel connectors.....	N-45
M8ND, #26-8 AWG.....	N-46
MRC840 Series, #8-4/0 AWG.....	N-47
MY28 and MY29 Series, Dieless, #8 Str.-250 kcmil CU; #8-4/0 Str. AL.....	N-48
OH25, Dieless Ratchet, #10-1/0 Str.....	N-49
OUR840, Ratchet, Overhead/Underground Applications.....	N-50
MD6 Series, #14 AWG-500 kcmil.....	N-51
MD7 Series, #14 AWG-500 kcmil.....	N-52
MD7 Ratchet Series.....	N-53

Pneumatic Press

OEM840NCP, #8-4/0 AWG	N-54
OEM175TFM, #22-10 AWG	N-55

60 Ton HPS/Fargo-Equivalent Dies

CD Index, Circumferential Profile.....	N-57
SH and AH Index, Hexagonal Profile.....	N-61

12 Ton U Dies

For 35 and 750 Tool Series; 46 Series with PUADP1 Adapter.....	N-63
12 Ton U Die Kits; Copper, Aluminum, Copper Wide, HYGROUND®.....	N-64
UM-Style, For OEM840NCP up to 4/0, 35 and 750 Series; 46 Series with PUADP1 Adapter.....	N-65

W Dies

For MD/PATMD, 500, and 600 Series.....	N-66
W Die Kits; Copper, Aluminum.....	N-67

Battery Cutters

PATCUT4, 11 Ton, Scissor Action.....	N-68
PATCUT2156, 10 Ton, Latch Head.....	N-69
PATCUT129, 7 Ton, Latch Head.....	N-70
PATCUT245, 6 Ton, Latch Head.....	N-71
PAT500SJ CUT, 6 Ton, Scissor Action.....	N-72
PATMDCUTLW, 6 Ton, Scissor Action.....	N-73
PATMD-LW ACSR Kits, 6 Ton, Scissor Action.....	N-74
PATMD-LW CU/AL Kits, 6 Ton, Scissor Action.....	N-75
PATMD-LW GUY Kits, 6 Ton, Scissor Action.....	N-76
PATCUT954HS, 7.7 Ton, C-Head, Long Reach, Live Line, Hot Stick.....	N-77
PATMDCUT82ALLIF, 6 Ton, Scissor Action, Long Reach, Live Line, Hot Stick, Angled Head.....	N-78
PATCUT1500, Copper/Aluminum Cable Cutter.....	N-79

Hand-Operated Cutters

Y CUT129ACSR, Latch Head.....	N-80
-------------------------------	------



Mechanical Installation Tools



Die Sets



Battery Cutters

Table of Contents

Remote Operated Cutters

RHCC4QUAL, Scissor Action..... N-81
 RHCC2156ACSR, Latch Head..... N-82
 RHCC129ACSR, Latch Head..... N-83
 RHCC245QUAL, Latch Head..... N-84

Plier Hand Tools

Y101300C, Cuts Cable Ties & Wire..... N-85
 Y101400SC, Strips & Cuts Wire..... N-85

Manual Cable Cutters

MCC Series, Copper/Aluminum Cable Cutters..... N-86
 RCC Cu/Al Series, Ratchet Cable Cutters..... N-87
 RCC Cu/Al/ACSR Series, Ratchet Cable Cutters..... N-88
 RWRC Series, Ratchet Wire Rope Cutters..... N-89

Electric Pumps

Y10AC9, Electric, 10,000 PSI, Light Weight..... N-90
 EPP10, Electric, 10,000 PSI, Light Weight..... N-91
 EP10, Electric, 10,000 PSI, Dual Voltage/Hertz..... N-92
 EPAC10, Electric, 10,000 PSI, Large 8 Quart Reservoir, Roll Cage..... N-93

Manual Pumps

HP10, Manual, Hand, 10,000 PSI..... N-94
 FP10, Manual, Foot, 10,000 PSI..... N-94
 FP6, Manual, Foot, 6,000 PSI..... N-94

Gas Pumps

GP10, Gasoline, 10,000 PSI, 4 Horse Power Engine..... N-95

Non-Conductive Hydraulic Hoses, 10,000 and 6,000 PSI..... N-96

Conductive Hydraulic Hoses, 10,000 and 8,800 PSI..... N-97

Pump/Hose Accessories..... N-98

MD6/MD7 Related Accessories..... N-99

12 and 15 Ton Related Accessories..... N-101

Force Test Gauges..... N-102

WIREMIKE™ Wire Micrometers..... N-103

BTW Series Micro-Adjustable Professional Grade Torque Wrenches..... N-104

WEJTAP™ Tooling and Accessories..... N-105

DOMINATOR Auger Bits for Treated Wood..... N-108

Hydraulic Impact Wrenches

HIW-ENF Variable Torque, 7/16" Quick Chuck..... N-109
 HIW-MAG Machined Aluminum Gerotor Design..... N-110

Low Pressure Hydraulic Crimper

KOMPRESSOR™ 12 Ton Remote Operation..... N-111

Low Pressure Hydraulic Pole Saws

HPS-LWMAG, Light Weight..... N-112

Low Pressure Hydraulic Tool Accessories..... N-113



Remote Cutter



Electric Pump



Force Test Gauge



Wire Micrometer



WEJTAP™ Tooling and Boosters



Hydraulic Impact Wrench

Installation Tools

The BURNDY® Engineered System features the most complete line of installation tools in the electrical industry. Available in various styles: battery actuated, mechanical, full cycle ratchet, self contained hydraulic, remote controlled hydraulic, along with power actuated pumps, hoses and accessories. BURNDY has the options to suit your needs. BURNDY tools are designed to integrate with the complete line of BURNDY connectors. Whether you are a small contractor working with #22 wire or a large utility working with 2500 kcmil conductor, there is a BURNDY tool available to do the job.

The benefits of the BURNDY® Engineered System are many, the most significant benefit being reliability. There is nothing more important to the electrical industry today than reliability. It represents the one area that leads to economical installations that will endure for the life of the installation.

Tool Center

An important element of the BURNDY® Engineered System is the BURNDY Tool Center, located at 150 Burndy Road, Littleton, NH 03561, (800-426-8720 or 603-621-4499). This center provides advice and information on the operation, maintenance and repair of BURNDY tools. The repair center is staffed with specialized technicians who provide the best possible service for all BURNDY tools, pumps and accessories.

BURNDY designed and produced the first self contained hydraulic compression electrical connector installation tool in 1934. In our continuing efforts to provide the highest quality and highest value connection systems, we offer the current BURNDY tool policy.

Limited Warranty

The majority of BURNDY tools are warranted to be free of defects in materials and workmanship for a period of five (5) years from the date of shipment. See specific tool page for length of warranty. If inspection by a certified technician shows the trouble is caused by defective workmanship or material, BURNDY will repair or (at our option) replace the tool.

This Warranty does not apply where:

- Repairs or alterations have been made or attempted by others
- Repairs are required because of normal wear and tear
- The tool has been abused, misused or improperly maintained
- The use of any non-BURNDY product has resulted in damage to the tool

Return Procedure

All tools sent to the BURNDY Tool Center (1-800-426-8720) or an authorized repair center must be accompanied by a purchase order with detailed bill to and ship to address authorizing repair. Requests for repair charges before work is done must be stated on the purchase order. All tools sent to the BURNDY Tool Center or an authorized repair center as a warranty claim must be accompanied by a proof of purchase such as a BURNDY invoice or invoice from any BURNDY distributor.

All tools must be shipped at the owner's expense, prepaid. BURNDY pays for the return freight, same surface freight as received. Airfreight returns will be returned same way collect for non-warranty repair and prepaid for warranty repairs.

This warranty and repair policy supercedes all previous policies and is in effect as of January 1, 2010.

Repair Policy

All non-warranty repaired tools are completely reconditioned and receive a limited 1-year warranty. Non-warranty repair returns tools to like-new condition at a maximum cost of 40% of a new tool. A nominal service charge of \$5 is applied to all repairs to cover shop supplies, oil disposal and other miscellaneous services not covered as part of the standard repair.

If the decision is made not to repair, a handling charge of \$25.00 will be applied plus return freight costs.

IMPORTANT NOTES:

Unless noted, product is not recommended for use on energized lines.

Notes for battery operated crimpers and cutters:

It is recommended that battery be removed when changing jaws, changing dies or storing tool in case.

Select battery operated tools are available in alternate versions :

- Nickel Metal Hydride
- AC
- DC
- 250 Volt

Contact Customer Service for further information:

US: 1-800-346-4175

Canada: 1-800-387-6487

International: 1-603-647-5299

Battery Tool Accessories:

BAT18VLI: 3.0Ah Li-Ion battery
BAT18V5AHLI: 5.0Ah Li-Ion battery
PATCHGRLI: 120V-AC Charger
PATCHGRLIDC: 12/24V-DC Charger

PT208620: Lanyard
PT10074020: Wrist Strap for PATMDLW

W28K (6-ton): Cutter die, 4-4/0 CU/AL, ACSR
WDA8300 (6-ton): Range taking die, 4-500 CU Str. and #2-4/0 CU Flex

WDC4500 (6 ton): Range taking die, #8-300 AL, #6-400 CU Str, and #2-4/0 CU Flex

P15K (15-ton): Cutter die, max. diameter 1.2"
PUADP1 (15-ton): U-die Adapter

PATCASELI: Polymer Carry Case
PATPROBAG: Nylon Pro Bag
TOOLBAGMDLI: Vinyl Utility Bag (for IN-LINE® tool)



PATRIOT® SERIES with EP★ ENHANCED POWER

BURNDY® PATRIOT® Tools are designed to accept an expanded range of Makita 18V Lithium-Ion Batteries, identified by Makita Star Power. Multi-Ah Capability provides the user with more choices and flexibility than ever before. Accepts large capacity 6Ah to smaller capacity 2Ah batteries.

More **POWER**, More **FLEXIBILITY**, More **PRODUCTIVITY**

PLEASE NOTE:

Prior models, tools **WITHOUT** the EP Enhanced Power mark, will only accept Makita 18V **3.0Ah** batteries.

Do not force any other size battery into the tool.
Damage caused by doing so will void the warranty.

INTRODUCING THE NEW PATRIOT®



TRACK | TRACE | TRANSMIT

T3 TECHNOLOGY WITH ONBOARD GPS

Record when and where crimps occur,
unassisted by external devices.

- Onboard GPS maps crimp locations
- Bluetooth® enabled for instant crimp data
- Remotely observe project status
- Output force validation, green/red LED
- Flag & enter comments for individual crimps
- Manage BURNDY® T3 tool inventory
- Link accounts and securely share tools
- Sync and upload data to the cloud
- Create custom reports for projects

All of the exceptional features of its PATRIOT
predecessor, plus a new ergonomic design
and state of the art technology.



TRACK:
Map location
of crimps



TRACE: Flag
individual crimps
with comments



TRANSMIT:
Sync data to
the cloud

**PATRIOT® 12 Ton with T3 Technology
TRACK TRACE TRANSMIT**

Tool Series: PAT750T3

- **TRACK** crimp locations with onboard GPS - **BURNDY Exclusive!**
- **TRACE** individual crimps with comments and output force validation
- **TRANSMIT** via Bluetooth® technology and sync data to the cloud
- C-head with 1.65" jaw opening and 355° head rotation
- Used with U dies
- Patented T-Track alignment guide for HYGROUND® as well as other asymmetrical connectors
- Bright LED Worklight and Red/Green LED to validate output force
- Improved ergonomic design with more balance and better grip to reduce user fatigue

For Use On:

Tension Sleeves

Copper	#8 sol. - 500 kcmil
Aluminum	#8 sol. - 587.2 kcmil
ACSR	#4 - 556.5 kcmil

Taps

Copper	#14 sol. - 500 kcmil
Aluminum	#8 - 500 kcmil

Aerial Cable

Copper	#6 - 500 kcmil
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Terminals & Splices

Copper	#8 - 750 kcmil
Aluminum	#8 - 750 kcmil
ACSR	#4 - 556.5 kcmil

HYGROUND® (Compression Grounding)

Copper	#8 - 500 kcmil
Ground Rods	1/2" - 1" diameter



Specifications:

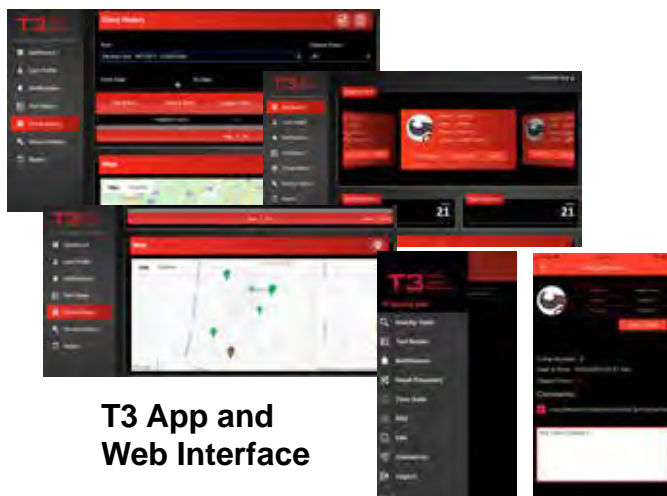
Output Force:	12 Tons
Tool Weight:	16.1 lbs
Size:	15.75" x 14.75" x 3.25"
Die Style:	U style
Jaw Opening:	1.65"
Operating Voltage:	18 V-DC Lithium-Ion (Accepts 2.0Ah-6.0Ah Makita)
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger
Kits Include:	2 batteries, charger, lanyard, and carrying case

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLLI:	120V-AC Charger
PATCHGRLLDC:	12/24V-DC Charger
PT208620:	Lanyard
FORCEGAUGE1215:	Force Test Gauge

Models:

PAT750T3U03A2	with 3.0Ah Li-Ion batteries, hard case
PAT750T3C03A2	with rubber covered head (3.0Ah), hard case
PAT750T3U05A2	with 5.0Ah Li-Ion batteries, hard case
PAT750T3C05A2	with rubber covered head (5.0Ah), hard case
PAT750T3U03A3	with 3.0Ah Li-Ion batteries, pro bag
PAT750T3C03A3	with rubber covered head (3.0Ah), pro bag
PAT750T3U05A3	with 5.0Ah Li-Ion batteries, pro bag
PAT750T3C05A3	with rubber covered head (5.0Ah), pro bag



**T3 App and
Web Interface**

PATRIOT® 15 Ton, C-Head

Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT46LWS

- 2" jaw opening
- Used with P dies; U dies with PUADP1 adapter (sold separately)
- Light weight, scoop style C-head with 355° head rotation
- Overmolded, ergonomic handle
- Improved ergonomic balance
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Copper - #8 AWG Str. - 1500 kcmil

Code Cable, Navy Cable, Flexible, Extra Flexible
1/2" - 1" Ground Rods

Terminals, grounding:

to 500 kcmil; YGA, YGHA, YGF

Terminals, uninsulated:

#8 - 1500 kcmil; YA, YA-2N, YA-L, YA-LB, YA-TC, YA-2LN,
YAB-4N, YAV-L, YAV-RS, YA-TC-FX

Terminals, insulated:

#8 - 2/0 AWG; YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices:

#8 - 1500 kcmil; YS, YS-T, YS-L, YS-LB, YST, YSP-T,
YGS, YGHS

Taps:

#14 - 1000 kcmil; YH, YCHC
to 4/0 AWG; YC-C

Taps, grounding:

to 500 kcmil; YGHC-C, YGHP-C, YGHR-C

Aluminum - #8 AWG - 1250 kcmil

Code Cables

Terminals: YA-A, AYP, AYPO

Splices: YS-A, YS-AT, YRB

Taps: YFD, YFN, YFO, YFR

ACSR - see Overhead Transmission & Distribution Sections H & I
of the current BURNDY® Master Catalog



Specifications:

Output Force:	15 Tons
Tool Weight:	18.9 lbs
Size:	18.00" x 14.00" x 3.00"
Die Style:	P and U style (with PUADP1)
Jaw Opening:	2.00"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

P15K:	Cutter Die, max. diameter 1.2"
PUADP1:	U Die Adapter
BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLL:	120V-AC Charger
PATCHGRLLIDC:	12/24V-DC Charger
PT208620:	Lanyard
FORCEGAUGE1215:	Force Test Gauge

Models:

PAT46LWSLI	with 3.0Ah Li-Ion batteries, hard case
PAT46CLWSLI	with rubber covered head (3.0Ah), hard case
PAT46LWSL5	with 5.0Ah Li-Ion batteries, hard case
PAT46CLWSL5	with rubber covered head (5.0Ah), hard case
PAT46LWSLIPB	with 3.0Ah Li-Ion batteries, pro bag
PAT46CLWSLIPB	with rubber covered head (3.0Ah), pro bag
PAT46LWSL5PB	with 5.0Ah Li-Ion batteries, pro bag
PAT46CLWSL5PB	with rubber covered head (5.0Ah), pro bag

See Important Notes page at start of Tooling Section.

PATRIOT® 15 Ton, Latch Head
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT46LW

- 2" ram travel
- Used with P dies; U dies with PUADP1 adapter (sold separately)
- Light weight, Latch-head
- 355° head rotation
- Ergonomically balanced
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries



For Use On:

Copper - #8 AWG Str. - 1500 kcmil

Code Cable, Navy Cable, Flexible, Extra Flexible
1/2" - 1" Ground Rods

Terminals, grounding:

to 500 kcmil; YGA, YGHA, YGF

Terminals, uninsulated:

#8 - 1500 kcmil; YA, YA-2N, YA-L, YA-LB, YA-TC, YA-2LN,
YAB-4N, YAV-L, YAV-RS, YA-TC-FX

Terminals, insulated:

#8 - 2/0 AWG; YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices:

#8 - 1500 kcmil; YS, YS-T, YS-L, YS-LB, YST, YSP-T,
YGS, YGHS

Taps:

#14 - 1000 kcmil; YH, YCHC
to 4/0 AWG; YC-C

Taps, grounding:

to 500 kcmil; YGHC-C, YGHP-C, YGHR-C

Aluminum - #8 AWG - 1250 kcmil

Code Cables

Terminals: YA-A, AYP, AYPO

Splices: YS-A, YS-AT, YRB

Taps: YFD, YFN, YFO, YFR

ACSR - see Overhead Transmission & Distribution Sections H & I
of the current BURNDY® Master Catalog

Specifications:

Output Force:	15 Tons
Tool Weight:	16.8 lbs
Size:	18.75" x 13.75" x 3.75"
Die Style:	P and U style (with PUADP1)
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

P15K:	Cutter Die, max. diameter 1.2"
PUADP1:	U Die Adapter
BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLL:	120V-AC Charger
PATCHGRLLIDC:	12/24V-DC Charger
PT208620:	Lanyard
FORCEGAUGE1215:	Force Test Gauge

Models:

PAT46LWLI	with 3.0Ah batteries, hard case
PAT46LWL5	with 5.0Ah batteries, hard case
PAT46LWLIPB	with 3.0Ah batteries, pro bag
PAT46LWL5PB	with 5.0Ah batteries, pro bag

See Important Notes page at start of Tooling Section.

PATRIOT® 12 Ton, C-Head

Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT750

- 1.65" jaw opening
- Used with U dies
- C-head with 355° head rotation
- Patented T-Track alignment guide for HYGROUND® as well as other asymmetrical connectors
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Tension Sleeves

Copper	#8 sol. - 500 kcmil
Aluminum	#8 sol. - 587.2 kcmil
ACSR	#4 - 556.5 kcmil

Taps

Copper	#14 sol. - 500 kcmil
Aluminum	#8 - 500 kcmil

Aerial Cable

Copper	#6 - 500 kcmil
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Terminals & Splices

Copper	#8 - 750 kcmil
Aluminum	#8 - 750 kcmil
ACSR	#4 - 556.5 kcmil

HYGROUND® (Compression Grounding)

Copper	#8 - 500 kcmil
Ground Rods	1/2" - 1" diameter



Wide U-dies (sold separately) can be used with long barrel terminals and splices saving time and labor!



Specifications:

Output Force:	12 Tons
Tool Weight:	15.7 lbs
Size:	15.75" x 13.50" x 3.50"
Die Style:	U style
Jaw Opening:	1.65"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLI:	120V-AC Charger
PATCHGRLIDC:	12/24V-DC Charger
PT208620:	Lanyard
FORCEGAUGE1215:	Force Test Gauge

Models:

PAT750LI	with 3.0Ah Li-Ion batteries, hard case
PAT750CLI	with rubber covered head (3.0Ah), hard case
PAT750L5	with 5.0Ah Li-Ion batteries, hard case
PAT750CL5	with rubber covered head (5.0Ah), hard case
PAT750LIPB	with 3.0Ah Li-Ion batteries, pro bag
PAT750CLIPB	with rubber covered head (3.0Ah), pro bag
PAT750L5PB	with 5.0Ah Li-Ion batteries, pro bag
PAT750CL5PB	with rubber covered head (5.0Ah), pro bag

See Important Notes page at start of Tooling Section.

PATRIOT® 11 Ton, C-Head, Dieless
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT444S

- New C-Head style for easy access and increased flexibility
- Dieless System with range taking capability
- 355° Head rotation
- Ergonomically balanced
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Copper #4 - 1000 kcmil Code & Flex

Terminals: YA-L, YA-2LN, YA, YA-2N, YA-L-2TC, YAB-4N,
YA-L-TC, YA-2L, YA-4N, YAV, YAZ, YA-L-FX, YA-FXB, YAG

Splices: YS-L, YS, YS-T

Copper #4 - 1000 kcmil Code; #2 - 777 kcmil Flex

HYPLUG™: YE-P, YE-P-FX, YEV-P-FX

Aluminum #4 AWG - 1000 kcmil

Terminals: YA-A, YA-A-TN

Splices: YS-A

HYPLUG™: AYP, AYPO

ACSR, AAC, AAAC, ACAR #4 AWG - 556.5 kcmil

Splices: YDS-RL, YDS-RLNI

Cable Pulling Heads: YCP-L

#6 AWG - 1000 kcmil (copper & aluminum)

See Expanded Range details at start of Section C.



Unique 444S Crimp
Embossment

Connections are UL Listed to UL 486A-486B on
Copper and Aluminum terminals and splices

Comply with ANSI C119.4 on YDS-RL and YDS-RLNI Splices
(ACSR, AAC, AAAC, ACAR)

Qualified for use on YCP-L Compression Pulling Heads



Specifications:

Output Force:	11 Tons
Tool Weight:	16 lbs
Size:	16.9" x 13.7" x 3.2"
Die Style:	Dieless
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	
3.0Ah	30 minutes
5.0Ah	45 minutes
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 years on batteries and charger

Accessories:

BAT18VLI:	Hi-capacity Li Makita battery (3.0Ah)
BAT18V5AHLI:	Hi-capacity Li Makita battery (5.0Ah)
PATCHGRLI:	120V-AC Makita charger
PATCHGRLIDC:	12/24V-DC Makita charger
FORCEGAUGE11:	Force Test Gauge

Models:

PAT444SLI	with 3.0Ah Li-Ion batteries, hard case
PAT444SL5	with 5.0Ah Li-Ion batteries, hard case
PAT444SLIPB	with 3.0Ah Li-Ion batteries, pro bag
PAT444SL5PB	with 5.0Ah Li-Ion batteries, pro bag

See Important Notes page at start of Tooling Section.

PATRIOT® 11 Ton, Latch Head, Dieless Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT644

- Dieless system
- Range taking capabilities
- 355° head rotation
- Ergonomically balanced
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries



For Use On:

Copper #4 - 1000 kcmil Code; #2 - 777 kcmil Flex

Terminals: YA-L, YA-2LN, YA, YA-2N, YA-L-2TC, YAB-4N, YA-L-TC, YA-2L, YA-4N, YAV, YAZ, YA-L-FX, YA-FXB, YAG
Splices: YS-L, YS, YS-T
HYPLUG™: YE-P, YE-P-FX, YEV-P-FX

Aluminum #6 AWG - 900 kcmil

Terminals: YA-A, YA-A-TN
Splices: YS-A
HYPLUG™: AYP, AYPO

ACSR, AAC, AAAC, ACAR #4 AWG - 556.5 kcmil

Splices: YDS-RL, YDS-RLNI

Cable Pulling Heads: YCP-L

#6 AWG - 1000 kcmil (copper & aluminum)

See Expanded Range details at start of Section C.

Connections are UL Listed to UL 486A-486B on
Copper and Aluminum terminals and splices

Comply with ANSI C119.4 on YDS-RL and YDS-RLNI Splices
(ACSR, AAC, AAAC, ACAR)

Qualified for use on YCP-L Compression Pulling Heads

Specifications:

Output Force:	11 Tons
Tool Weight:	15.9 lbs
Size:	15.62" x 14.12" x 3.25"
Die Style:	Dieless
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLL:	120V-AC Charger
PATCHGRLLDC:	12/24V-DC Charger
PT208620:	Lanyard
FORCEGAUGE11:	Force Test Gauge

Models:

PAT644LI	with 3.0Ah Li-Ion batteries, hard case
PAT644L5	with 5.0Ah Li-Ion batteries, hard case
PAT644LIPB	with 3.0Ah Li-Ion batteries, pro bag
PAT644L5PB	with 5.0Ah Li-Ion batteries, pro bag

See Important Notes page at start of Tooling Section.

PATRIOT® 4-POINT® 6 Ton, Latch Head, Dieless
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT81KFT

- Dieless system
- Range taking capabilities
- 360° head rotation
- Mechanical ram release
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Copper #8 - 1000 kcmil

Terminals: YA, YA-L

Splices: YS-L, YS, YS-T, Y-R

Copper Flex #8 - 646 kcmil Flex

Terminals: YA-FX, YAV, YA-L-FX

Splices: YS, YSV-FXB

Aluminum #8 - 750 kcmil

Terminals: YA-A, YA-A-TN

Splices: YS-A

HYPLUG™: AYP, AYPO

See *Expanded Range details at start of Section C.*



Specifications:

Output Force:	6 Tons
Tool Weight:	13.2 lbs
Size:	15.62" x 14.12" x 3.25"
Die Style:	Dieless
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLI:	120V-AC Charger
PATCHGRLIDC:	12/24V-DC Charger
PT208620:	Lanyard

Models:

PAT81KFTLI	with 3.0Ah Li-Ion batteries, hard case
PAT81KFTL5	with 5.0Ah Li-Ion batteries, hard case
PAT81KFTLIPB	with 3.0Ah Li-Ion batteries, pro bag
PAT81KFTL5PB	with 5.0Ah Li-Ion batteries, pro bag

See Important Notes page at start of Tooling Section.

PATRIOT® 4-POINT® 6 Ton, C-Head, Dieless
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT4PC834

- Dieless system
- Range taking capabilities
- 360° head rotation
- Ergonomically balanced
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries



For Use On:

Copper

Terminals: YA, YA-L (#8-1000 kcmil)
Splices: YS-L, YS, YS-T, Y-R (#8-500 kcmil)

Copper Flex

Terminals: YA-FX, YAV, YA-L-FX (#8-777.7 Flex)
Splices: YS, YSV-FXB (#8-500 kcmil)

Aluminum

Terminals: YA-A, YA-A-TN (#8-750 kcmil)
Splices: YS-A (#8-350 kcmil)*
HYPLUG™: AYP, AYPO (#8-750 kcmil)

*1.06" barrel diameter maximum for splices due to jaw opening

See Expanded Range details at start of Section C.

Specifications:

Output Force:	6 Tons
Tool Weight:	13.0 lbs
Size:	15.62" x 13.20" x 3.25"
Die Style:	Dieless
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLLI:	120V-AC Charger
PATCHGRLLDC:	12/24V-DC Charger
PT208620:	Lanyard

Models:

PAT4PC834LI	with 3.0Ah Li-Ion batteries, hard case
PAT4PC834L5	with 5.0Ah Li-Ion batteries, hard case
PAT4PC834LIPB	with 3.0Ah Li-Ion batteries, pro bag
PAT4PC834L5PB	with 5.0Ah Li-Ion batteries, pro bag

See Important Notes page at start of Tooling Section.

PATRIOT® 6 Ton, Latch Head
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT600

- Permanent functional D3 groove (no die needed)
- Uses W and X style dies
- 180° head rotation
- Enhanced clearance for tap connections
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Copper #8 - 600 kcmil

Terminals: YA, YA-L
Splices: YS-L, YS, YS-T, Y-R

Copper Flex #8 - 350 kcmil Flex

Terminals: YA-FX, YAV, YA-L-FX
Splices: YS, YSV-FXB

Aluminum #8 - 350 kcmil

Terminals: YA-A, YA-A-TN
Splices: YS-A

Models:

PAT600LI with 3.0Ah Li-Ion batteries, hard case
PAT600L5 with 5.0Ah Li-Ion batteries, hard case

PAT600LIPB with 3.0Ah Li-Ion batteries, pro bag
PAT600L5PB with 5.0Ah Li-Ion batteries, pro bag



WDC4500
(sold separately)



WDA8300
(sold separately)



Specifications:

Output Force:	6 Tons
Tool Weight:	10.1 lbs
Size:	14.50" x 13.75" x 3.50"
Die Style:	W and X style dies
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLI:	120V-AC Charger
PATCHGRLIDC:	12/24V-DC Charger
PT208620:	Lanyard
WDIETREE:	W die holder
WDC4500*:	Range taking die for #4 - 500 Cu Str. and #2 - 4/0 Cu Flex
WDA8300*:	Range taking die for #8 - 300 Al, #6 - 400 Cu Str. and #2 - 4/0 Cu Flex

* When used with UL Listed/CSA Certified YA, YS, YA-A, and YS-A series terminals and splices, connections are UL/CSA. Range taking dies also for use on the YAV and YSV series.

See Important Notes page at start of Tooling Section.

PATRIOT® 6 Ton, Scissor Action Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT500SJ

- Interchangeable scissor action crimping and cutting jaws
- 180° head rotation
- Uses W and X style dies
- Ergonomically balanced tool design
- Includes 2 batteries, charger, and polymer carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Copper, Aluminum, ACSR, Steel, Copperweld, Alumoweld, 6201, 5005, Compressed, and Compact Conductors

Taps:

Copper: #10 sol. to 2/0 str.
Aluminum & ACSR: #14 sol. to 4/0 ACSR

Stirrups:

#6 to 4/0 ACSR

Overhead Full Tension Deadends, Full Tension Splices and Terminals:

#10 str. to 4/0 ACSR

Installs Splices, Taps or Terminations:

#8 to 500 kcmil Copper Stranded (YA, YA-L, YS, YS-L)
#8 to 350 kcmil Copper Flex
#8 to 350 kcmil Aluminum (YA-A, YS-A)

Models:

PAT500SJ6LI	BG and D3 grooves (3.0Ah)
PAT500SJ68LI	O and D3 grooves (3.0Ah)
PAT500SJ66LI	D3 groove only (snub-nose) (3.0Ah)
PAT500SJ6L5	BG and D3 grooves (5.0Ah)
PAT500SJ68L5	O and D3 grooves (5.0Ah)
PAT500SJ66L5	D3 groove only (snub-nose) (5.0Ah)

Interchangeable Jaw Assemblies:

PATMD6LWJAW	Crimp jaw with BG and D3 grooves
PATMD68LWJAW	Crimp jaw with O and D3 grooves
PATMD66LWJAW	Crimp jaw with D3 groove only
PATMDXPJLWJAW	Crimp jaw with X, P & J grooves
PATMD430LWJAW	Crimp jaw, Dieless, #4 AWG - 3/0 AWG
PATMDCUTLWJAW	Cutting jaw with ACSR blades
PATMDCUTCLWJAW	Cutting jaw with CU/AL blades
PATMDCUTGLWJAW	Cutting jaw with GUY blades



Specifications:

Output Force:	6 Tons
Tool Weight:	11.5 lbs
Size:	17.00" X 14.25" X 3.00"
Die Style:	W and X (with crimping jaws)
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLLI:	120V-AC Charger
PATCHGRLLDC:	12/24V-DC Charger
PATMD6LWJWCVR:	Jaw covers for PATMD6 and PATMD68 versions
PATMD66LWJWCVR:	Jaw covers for PATMD66 snub-nose versions
PT10074020:	Wrist strap
W28K:	Cutter Dies (cuts 4-4/0 Cu, Al, ACSR)
WDIETREE:	W-die holder for 6 die sets

Crimp/Cut Kits:

PAT500SJ6LICUTKIT1	Kit includes crimp head with BG & D3 grooves, cutter jaw with ACSR blades, 120V charger and 2 batteries (3.0Ah)
PAT500SJ68LICUTKIT1	Kit includes crimp head with O & D3 grooves, cutter jaw with ACSR blades, 120V charger and 2 batteries (3.0Ah)

See Important Notes page at start of Tooling Section.

PATRIOT® 6 Ton, Scissor Action
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATMD-LW

- Light weight, compact and ergonomic design
- Interchangeable scissor action crimping and cutting jaws
- Safety trigger lock and locking jaw tabs
- LED Worklight
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

Crimp Capacity*		
Connector Type	Conductor Type	Range
Terminals & Splices	Copper	#8 AWG - 500 kcmil
Terminals & Splices	Flex Copper	#8 AWG - 350 kcmil
Terminals & Splices	Aluminum (AAC)	#8 AWG - 350 kcmil
Full-Tension	ACSR	#10 - 4/0 AWG
Taps	Copper	#10 - 2/0 AWG
Taps	AAC or ACSR	#14 - 4/0 AWG
Stirrups	ACSR	#6 - 4/0 AWG

**Dieless Jaw only for use on #4-3/0 BURNDY® Overhead Distribution Families: YDS-RL, YDSR-RL, YDS-RLY, YDR-RL, YDRR-RL, YCS-RL, YCA-RL & YSS-R

Models:

- PATMD6LW:** BG and D3 grooves, 3.0Ah batteries
PATMD68LW: O and D3 grooves, 3.0Ah batteries
PATMD66LW: D3 groove only, 3.0Ah batteries
PATMD70003A1: XPJ grooves, 3.0Ah batteries
****PATMD80003A1:** **#4-3/0 dieless, 3.0Ah batteries
- PATMD6LW5:** BG and D3 grooves, 5.0Ah batteries
PATMD68LW5: O and D3 grooves, 5.0Ah batteries
PATMD66LW5: D3 groove only, 5.0Ah batteries
PATMD70005A1: XPJ grooves, 5.0Ah batteries
****PATMD80005A1:** **#4-3/0 dieless, 5.0Ah batteries

Interchangeable Jaw Assemblies:

- *PATMD6LWJAW** Crimp jaw with BG and D3 grooves
***PATMD68LWJAW** Crimp jaw with O and D3 grooves
***PATMD66LWJAW** Crimp jaw with D3 groove only
PATMDXPJLWJAW Crimp jaw with X, P, & J grooves
****PATMD430LWJAW** **Crimp jaw, Dieless for #4-3/0 AWG
PATMDCUTLWJAW Cutting jaw with ACSR blades
PATMDCUTCLWJAW Cutting jaw with CU/AL blades
PATMDCUTGLWJAW Cutting jaw with GUY blades



Shown with
BG / D3
Grooves

Interchangeable Jaws



Specifications:

Output Force:	6 Tons
Tool Weight:	6.7 lbs
Length:	17.85" - 18.73" (varies by jaw size)
Die Style*:	W and X (with crimping jaws; excluding XPJ grooves and 430 Dieless)
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	
3.0Ah	30 minutes
5.0Ah	45 minutes
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 years on batteries and charger

Standard Crimp/Cut Kits are available supplied with both crimping and cutting jaws. (See separate pages in Cutters Section.)
 Customize a tool kit with up to 3 jaws and optional accessories.
 Contact Customer Service at 1-800-346-4175.

Accessories:

- BAT18VLI:** Hi-capacity LI Makita battery (3.0Ah)
BAT18V5AHLI: Hi-capacity LI Makita battery (5.0Ah)
PATCHGRLI: 120V-AC Makita charger
PATCHGRLIDC: 12/24V-DC Makita charger
W28K: Cutter Dies (cuts 4-4/0 CU, AL, ACSR)
WDIETREE: W-die holder for 6 die sets
CASEWDIES: W-die case holder for 12 die sets
TOOLBAGMDLI: Tool bag (included with tool)

See Important Notes page at start of Tooling Section.

HYPRESS™ 12 Ton, C-Head

Hydraulic Self-Contained, Hand Operated

Tool Series: Y750HSXT

- 355° head rotation
- 1.65" jaw opening
- Rapid advance pump
- Uses standard BURNDY U dies (sold separately)

For Use On:

Tension Sleeves

Copper	#8 sol. - 500 kcmil
Aluminum	#8 sol. - 587.2 kcmil
ACSR	#4 - 556.5 kcmil

Taps

Copper	#14 sol. - 500 kcmil
Aluminum	#8 - 500 kcmil

Aerial Cable

Copper	#6 - 500 kcmil
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Terminals & Splices

Copper	#8 - 750 kcmil
Aluminum	#8 - 750 kcmil
ACSR	#4 - 556.5 kcmil

HYGROUND® (Compression Grounding)

Copper	#8 - 500 kcmil
Ground Rods	1/2" - 1" diameter

Models:

Y750HSXT	Standard C-Head tool
Y750CHSXT	Y750HSXT with rubber covered head



Specifications:

Output Force:	12 Tons
Tool Weight:	14.5 lbs
Size:	23.96" x 8.71" x 2.90"
Die Style:	U style
Jaw Opening:	1.65"
Warranty:	5 year limited warranty

Accessories:

PT10024162:	Plastic carrying case for Y750HSXT/Y750CHSXT
FORCEGAUGE1215:	Force test gauge for accurate reading of output force
CASEUDIES15:	Plastic die case for U dies

HYPRESS™ 12 Ton, C-Head
Hydraulic Self-Contained, Hand Operated

Tool Series: Y35

- 180° head rotation
- Uses BURNDY U style dies (sold separately)
- Body and handles rubber covered for impact protection
- Trigger controlled ram release

For Use On:

Copper #8 str. - 500 kcmil code cable

Grounding Terminals:

YGH, YGHA, YGF

Grounding Splices:

YGS, YGHS

Copper #8 str. - 500 kcmil and up to 3/4" ground rod

Grounding Taps:

YGHC-C, YGHP-C, YGHR-C

Copper #8 str. - 750 kcmil code cable, N30 - N500 Navy cable, flexible, and extra flex

Terminals (Bare):

YA, YA-2N, YA-L, YA-LB, YA-2LN

Terminals (Insulated):

YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices to 400 kcmil only:

YS, YS-T, YS-L, YS-LB, YSV-L, YSM

Aluminum #8 str. - 750 kcmil code cable

Terminals:

YA-A, AYP, AYPO

Splices to 350 kcmil only:

YSA, YRB, YS-AT

ACSR - see Overhead Transmission & Distribution Sections
H & I of the current BURNDY® Master Catalog



Specifications:

Output Force:	12 Tons
Tool Weight:	13.5 lbs
Size:	23.25" x 4.75" x 2.75"
Die Style:	U style
Warranty:	5 year limited warranty

Models:

Y35	Standard C-Head tool (rubber covered body and handles only)
Y352	Y35 with rubber covered head, body, and handles

Accessories:

PT2972:	Steel Carry Case (included with tool)
Y35/Y39REPKITA:	Seal Repair Kit
PT292792	12 ton Force Gauge

HYPRESS™ 11 Ton, Latch Head, Dieless Hydraulic Self-Contained, Hand Operated

Tool: Y644HSXT

- 355° head rotation
- Dieless System
- Range taking capabilities
- Only "1" crimp necessary for most standard and long barrel terminals and splices
- Easy inspection; positive identification proved with BURNDY® 'Bug' (☉) embossment after crimp completion

For Use On:

Copper #4 - 1000 kcmil Code; #2 - 777 kcmil Flex

Terminals: YA-L, YA-2LN, YA, YA-2N, YA-L-2TC, YAB-4N, YA-L-TC, YA-2L, YA-4N, YAV, YAZ, YA-L-FX, YA-FXB, YAG

Splices: YS-L, YS, YS-T

HYPLUG™: YE-P, YE-P-FX, YEV-P-FX

Aluminum #6 - 900 kcmil

Terminals: YA-A, YA-A-TN

Splices: YS-A

HYPLUG™: AYP, AYPO

ACSR, AAC, AAAC, ACAR #4 AWG - 556.5 kcmil

Splices: YDS-RL

Cable Pulling Heads: YCP-L
#6 AWG - 1000 kcmil (copper & aluminum)

See *Expanded Range details at start of Section C.*



Specifications:

Output Force:	11 Tons
Tool Weight:	15.0 lbs
Size:	23.20" x 7.04" x 3.00"
Die Style:	Dieless
Warranty:	5 year limited warranty

Models:

Y644HSXT	Standard Dieless Latch Head tool
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Accessories:

Y644HSCASE:	Plastic carrying case (included with tool)
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4-POINT® 6 Ton, Latch Head, Dieless
Hydraulic Self-Contained, Hand Operated

Tool: Y81KFT

- Dieless System
- Range taking capabilities
- Flip top latch head design
- 360° head rotation

For Use On:

Copper #8 - 1000 kcmil

Terminals: YA, YA-L
Splices: YS-L, YS, YS-T, Y-R

Copper Flex #8 - 646 kcmil Flex

Terminals: YA-FX, YAV, YA-L-FX
Splices: YS, YSV-FXB

Aluminum #8 - 750 kcmil

Terminals: YA-A, YA-A-TN
Splices: YS-A
HYPLUG™: AYP, AYPO

See Expanded Range details at start of Section C.



Specifications:

Output Force:	6 Tons
Tool Weight:	12.0 lbs
Size:	25.60" x 7.70" x 2.50"
Die Style:	Dieless
Warranty:	5 year limited warranty

Models:

Y81KFT	Standard 4-POINT® Dieless Latch Head tool
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Accessories:

PT10050733:	Plastic carrying case (included with tool)
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4-POINT® 6 Ton, C-Head, Dieless Hydraulic Self-Contained, Hand Operated

Tool: Y4PC834

- 360° head rotation
- Dieless System
- Range taking capabilities
- Handle trigger release

For Use On:

Copper

Terminals: YA, YA-L (#8-1000 kcmil)
Splices: YS-L, YS, YS-T, Y-R (#8-500 kcmil)

Copper Flex

Terminals: YA-FX, YAV, YA-L-FX (#8-777.7 Flex)
Splices: YS, YSV-FXB (#8-500 kcmil)

Aluminum

Terminals: YA-A, YA-A-TN (#8-750 kcmil)
Splices: YS-A (#8-350 kcmil)*
HYPLUG™: AYP, AYPO (#8-750 kcmil)

*1.06" barrel diameter maximum for splices due to jaw opening

See Expanded Range details at start of Section C.



Specifications:

Output Force:	6 Tons
Tool Weight:	11.9 lbs
Size:	25.62" x 7.75" x 2.50"
Die Style:	Dieless
Warranty:	5 year limited warranty

Models:

Y4PC834 Standard 4-POINT® Dieless C-Head tool

Accessories:

PT10050733: Plastic Carrying Case (included with tool)

L'IL CRIMP™ 6 Ton, Latch Head
Hydraulic Self-Contained, Hand Operated

Tool: Y500CTHS

- Permanent functional D3 groove (no die needed)
- Used with W and X style dies
- 180° head rotation
- Enhanced clearance for tap connectors

For Use On:

Copper, Aluminum, ACSR, Steel, Copperweld, Alumoweld, 6201, 5005, Compressed, Compact, Stranded and Solid conductors

Installs Splices, Taps or Terminations:

- #8 - 600 kcmil Copper Str.
- #8 - 350 kcmil Flex
- #8 - 350 kcmil Aluminum



Specifications:

Output Force:	6 Tons
Tool Weight:	7.8 lbs
Size:	18.00" x 5.50" x 2.68"
Die Style:	W and X style dies
Warranty:	5 year limited warranty



*WDC4500 range taking die for
#4 - 500 Cu Str. and
#2 - 4/0 Cu Flex
(sold separately)*

*WDA8300 range taking die for
#8 - 300 Al,
#6 - 400 Cu Str. and
#2 - 4/0 Cu Flex
(sold separately)*



Models:

Y500CTHS	Standard Latch Head tool
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Accessories:

WDC4500:	Range taking die for #4 - 500 Cu Str. and #2 - 4/0 Cu Flex
WDA8300:	Range taking die for #8 - 300 Al, #6 - 400 Cu Str. and #2 - 4/0 Cu Flex
PT212851:	Metal Carrying Case (included with tool)

When used with UL Listed/CSA Certified YA, YS, YA-A, and YS-A series terminals and splices, connections are UL/CSA.

Range taking dies also for use on the YAV and YSV series.

60 Ton, Latch Head, Remote Powered Single Acting Light Weight Hydraulic Tool

Tool: Y60LW

- Remote power operated
- Used with BURNDY L, wide L style dies, and HPS/Fargo-equivalent 60 ton dies
- Base stand and metal carry case (for head only) included
- Side lift handle

For Use On:

Copper 300 - 2000 kcmil Str. Code Cable

Terminals: YA, YA-2N, YA-4N, YA-L, YA-2LN, YA-LB

Splices: YS, YST, YS-L, YS-T, YSP-T

Aluminum 250 - 2000 kcmil Str. Code Cable

Terminals: YA-A

Splices: YS-A, YS-AT

Transmission & Distribution Connectors:

Tension Sleeves:

Copper: 1/0 str. - 1000 kcmil

Aluminum: 1/0 str. - 2300 kcmil

ACSR: 1/0 str. - 2156 (84/19 str.) kcmil

Aerial:

Copper: 4/0 str. - 2500 kcmil

Aluminum: 3/0 str. - 2500 kcmil

Types: YTS, YTN, YNS, YNA, YNT, YNTA, YNU, YDS,

YDN, YCS, YCA, YCU



Wide L-dies (sold separately) can be used to save time and labor! Indicator marks on die set for ease of aligning connector properly. L725W shown.



Specifications:

Output Force:	60 Tons
Tool Weight:	43.0 lbs
Size:	12.93" x 8.06" x 8.06"
Die Style:	L style (standard or wide style); HPS/Fargo-equivalent 60 ton dies
Operating Pressure:	10,000 PSI
Warranty:	5 year limited warranty

Models:

Y60LW Standard Remote Latch Head tool

Accessories:

Y60LWSTAND: Metal stand for Y60LW (included with tool)
Y60LWCASE: Steel carry case for Y60LW head (included with tool)

See Gas or Electric Pumps and Hydraulic Hoses; Pump Accessories for other necessary equipment.



*Y60LW pictured on
Y60LWSTAND
(included with tool purchase)*

15 Ton, Remote C-Head
Remote Operated Hydraulic Tool

Tool Series: Y46LWSBH

- 2" jaw opening
- Used with P dies; U dies with PUADP1 adapter (sold separately)
- Positive push button die locks
- Light weight scoop style open head design

For Use On:

Copper - #8 AWG Str. - 1500 kcmil

Code Cable, Navy Cable, Flexible, Extra Flexible
1/2" - 1" Ground Rods

Terminals, grounding:

to 500 kcmil; YGA, YGHA, YGF

Terminals, uninsulated:

#8 - 1500 kcmil; YA, YA-2N, YA-L, YA-LB, YA-TC,
YA-2LN, YAB-4N, YAV-L, YAV-RS, YA-TC-FX

Terminals, insulated:

#8 - 2/0 AWG; YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices:

#8 - 1500 kcmil; YS, YS-T, YS-L, YS-LB, YST,
YSP-T, YGS, YGHS

Taps:

#14 - 1000 kcmil; YH, YCHC
to 4/0 AWG; YC-C

Taps, grounding:

to 500 kcmil; YGHC-C, YGHP-C, YGHR-C

Aluminum - #8 AWG - 1250 kcmil

Code Cables

Terminals: YA-A, AYP, AYPO

Splices: YS-A, YS-AT, YRB

Taps: YFD, YFN, YFO, YFR

ACSR - See Overhead Transmission & Distribution

Sections H & I of the current BURNDY® Master Catalog



Specifications:

Output Force:	15 Tons
Tool Weight:	14.5 lbs
Size:	14.68" x 5.06" x 2.88"
Die Style:	P style and U style with PUADP1 adapter
Operating Pressure:	10,000 PSI
Cycles:	10,000
Warranty:	5 year limited warranty

Models:

Y46LWSBH	Standard Light Weight C-Head tool
Y46CLWSBH	Permanently molded head of 3/16" rubber included separate molded rubber boot for lower body and hydraulic coupler
Y46CLWSBHF	Y46CLWSBH (covered) tool with Female coupler
Y46LWSBHF	Y46LWSBH tool with Female coupler (not rubber covered)

Accessories:

PUADP1:	U die adapter
P15K:	Cutter Die, max. diameter 1.2"
PT10054094:	Red Nylon Carry Bag (included with tool)

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

15 Ton, Remote Latch Head Remote Operated Hydraulic Tool

Tool Series: Y46LWBH

- 2" ram travel
- Used with P dies; U dies with PUADP1 adapter (sold separately)
- Positive push button die locks
- Light weight latch head design

For Use On:

Copper - #8 AWG Str. - 1500 kcmil

Code Cable, Navy Cable, Flexible, Extra Flexible
1/2" - 1" Ground Rods

Terminals, grounding:

to 500 kcmil; YGA, YGHA, YGF

Terminals, uninsulated:

#8 - 1500 kcmil; YA, YA-2N, YA-L, YA-LB, YA-TC,
YA-2LN, YAB-4N, YAV-L, YAV-RS, YA-TC-FX

Terminals, insulated:

#8 - 2/0 AWG; YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices:

#8 - 1500 kcmil; YS, YS-T, YS-L, YS-LB, YST,
YSP-T, YGS, YGHS

Taps:

#14 - 1000 kcmil; YH, YCHC
to 4/0 AWG; YC-C

Taps, grounding:

to 500 kcmil; YGHC-C, YGHP-C, YGHR-C

Aluminum - #8 AWG - 1250 kcmil

Code Cables

Terminals: YA-A, AYP, AYPO

Splices: YS-A, YS-AT, YRB

Taps: YFD, YFN, YFO, YFR

ACSR - See Overhead Transmission & Distribution
Sections H & I of the current BURNDY® Master Catalog



Specifications:

Output Force:	15 Tons
Tool Weight:	12.4 lbs
Size:	14.88" x 5.06" x 3.07"
Die Style:	P style and U style with PUADP1 adapter
Operating Pressure:	10,000 PSI
Cycles:	10,000
Warranty:	5 year limited warranty

Models:

Y46LWBH	Standard Light Weight Latch Head tool
Y46LWBHF	Y46LWBH tool with Female coupler (not rubber covered)

Accessories:

PUADP1:	U die adapter
P15K:	Cutter Die, max. diameter 1.2"
PT10054094:	Red Nylon Carry Bag (included with tool)

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

15 Ton, Remote C-Head
Remote Operated Hydraulic Tool

Tool: Y45

- Lifting eye
- Fully protected ram and die buttons
- Used with S dies; U dies with PT6515 adapter (sold separately)

For Use On:

Tension Sleeves:

- Copper #8 sol. - 500 kcmil
- Aluminum #6 sol. - 954 kcmil
- ACSR #4 - 795 (26/7) kcmil

Taps:

- Aluminum #14 - 954 (18/1) kcmil
- ACSR #6 - 795 (54/7) kcmil

Aerial Cable Connectors:

- Copper #6 str. - 1500 kcmil
- Aluminum #4 str. - 1000 kcmil

HYGROUND® Compression Grounding:

- Copper #6 - 500 kcmil
- 1/2" - 1" ground rods

Code Cable Terminals/Splices:

- Copper #8 - 1500 kcmil
- Aluminum #8 - 1000 kcmil

Code Cable Taps:

- Copper #14 - 1000 kcmil
- Aluminum #14 - 900 kcmil



Specifications:

Output Force:	15 Tons
Tool Weight:	15.5 lbs
Size:	15.25" x 4.50" x 2.62"
Die Style:	S style and U style with PT6515 adapter
Operating Pressure:	10,000 PSI
Cycles:	10,000
Warranty:	5 year limited warranty

Models:

Y45	Standard Remote C-Head tool
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Accessories:

PT6515:	Adapter for use with U die sets
PT6545:	Die carrying case for S and/or P die type dies. Holds eight (8) die sets. Dies sold separately.
433206016010:	Carry Case (included with tool)

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

12 Ton, Remote C-Head Remote Operated Hydraulic Tool

Tool: Y750BHXT

- 1.65" jaw opening
- 355° head rotation
- Used with U style dies
- Exposed positive die lock buttons

For Use On:

Tension Sleeves

Copper	#8 sol. - 500 kcmil
Aluminum	#8 sol. - 587.2 kcmil
ACSR	#4 - 556.5 kcmil

Taps

Copper	#14 sol. - 500 kcmil
Aluminum	#8 - 500 kcmil

Aerial Cable

Copper	#6 - 500 kcmil
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Terminals & Splices

Copper	#8 - 750 kcmil
Aluminum	#8 - 750 kcmil
ACSR	#4 - 556.5 kcmil

HYGROUND® (Compression Grounding)

Copper	#8 - 500 kcmil
Ground Rods	1/2" - 1" diameter

Models:

Y750BHXT	Standard Remote C-Head tool
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Specifications:

Output Force:	12 Tons
Tool Weight:	10.8 lbs
Size:	12.80" x 5.20" x 2.90"
Die Style:	U style
Jaw Opening:	1.65"
Operating Pressure:	10,000 PSI
Warranty:	5 year limited warranty

Accessories:

PT294021:	Adjustable head grip for joining head to universal hot sticks
CASEUDIES15:	Plastic die case for U style dies Holds 15 die sets. Dies sold separately.
PT10054094:	Red Nylon Carry Bag (included with tool)

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

12 Ton, Remote C-Head
Remote Operated Hydraulic Tool

Tool Series: Y35BH

- Lifting eye
- .95" jaw opening
- Uses U style dies
- Positive die lock buttons

For Use On:

Copper #8 str. - 500 kcmil code cable

Grounding Terminals:

YGH, YGHA, YGF

Grounding Splices:

YGS, YGHS

Copper #8 str. - 500 kcmil and up to 3/4" ground rod

Grounding Taps:

YGHC-C, YGHP-C, YGHR-C

Copper #8 str. - 750 kcmil code cable, N30 - N500 Navy cable, flexible, and extra flex

Terminals (Bare):

YA, YA-2N, YA-L, YA-LB, YA-2LN

Terminals (Insulated):

YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Splices to 400 kcmil only:

YS, YS-T, YS-L, YS-LB, YSV-L, YSM

Aluminum #8 str. - 750 kcmil code cable

Terminals:

YA-A, AYP, AYPO

Splices to 350 kcmil only:

YSA, YRB, YS-AT

ACSR: See Overhead Transmission & Distribution
Sections H & I of the current BURNDY® Master Catalog



Specifications:

Output Force:	12 Tons
Tool Weight:	8.0 lbs
Size:	9.25" x 4.75" x 2.62"
Die Style:	U style
Jaw Opening:	.95"
Operating Pressure:	10,000 PSI
Cycles:	10,000
Warranty:	5 year limited warranty

Models:

Y35BH	Standard Remote C-Head tool
Y35H	Y35BH head, PT294021 universal hot stick adapter, and steel carrying case
Y35BH4	Permanent molded rubber head, 3/16" rubber for tool impact protection

Accessories:

PT29413:	Carry Case (included with tool)
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*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

11 Ton, Remote C-Head, Dieless Remote Operated Hydraulic Tool

Tool Series: Y444SBH

- New C-Head style for easy access and increased flexibility
- Dieless system with range taking capability
- Qualified on both UL and ANSI connections

For Use On:

Copper #4 - 1000 kcmil Code & Flex

Terminals: YA-L, YA-2LN, YA, YA-2N, YA-L-2TC, YAB-4N,
YA-L-TC, YA-2L, YA-4N, YAV, YAZ, YA-L-FX, YA-FXB, YAG

Splices: YS-L, YS, YS-T

Copper #4 - 1000 kcmil Code; #2 - 777 kcmil Flex

HYPLUG™: YE-P, YE-P-FX, YEV-P-FX

Aluminum #4 - 1000 kcmil

Terminals: YA-A, YA-A-TN

Splices: YS-A

HYPLUG™: AYP, AYPO

ACSR, AAC, AAAC, ACAR #4 AWG - 556.5 kcmil

Splices: YDS-RL, YDS-RLNI

Cable Pulling Heads: YCP-L

#6 AWG - 1000 kcmil (copper & aluminum)

See Expanded Range details at start of Section C.

Models:

Y444SBH Tool with male couplers
Y444SBHF Tool with female couplers

Connections are UL Listed to UL 486A-486B on
Copper and Aluminum terminals and splices

Comply with ANSI C119.4 on YDS-RL and YDS-RLNI Splices
(ACSR, AAC, AAAC, ACAR)

Qualified for use on YCP-L Compression Pulling Heads



Specifications:

Output Force:	11 Tons
Tool Weight:	10.6 lbs
Size:	13.33" x 4.75" x 2.92"
Die Style:	Dieless
Operating Pressure:	10,000 PSI
Warranty:	5 year limited warranty

Accessories:

PT10054094: Red Nylon Carry Bag (included with tool)

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*



Unique 444S Crimp
Embossment

4-POINT® 6 Ton, Remote Latch Head, Dieless
Remote Operated Hydraulic Tool

Tool: Y81KFTMBH

- Dieless installation system
- Range taking capabilities
- Flip top design
- Incorporates Parker-type quick connect 3/8" male coupler
- 360° head rotation

For Use On:

Copper #8 - 1000 kcmil

Terminals: YA, YA-L
Splices: YS, YS-L, YS-T, Y-R

Copper Flex #8 - 646 kcmil Flex

Terminals: YA-FX, YAV, YA-L-FX
Splices: YS, YSV-FXB

Aluminum #8 - 750 kcmil

Terminals: YA-A, YA-A-TN
Splices: YS-A
HYPLUG™: AYP, AYPO

See *Expanded Range* details at start of Section C.

Models:

Y81KFTMBH Standard 4-POINT® Dieless Remote tool



Specifications:	
Output Force:	6 Tons
Tool Weight:	8.5 lbs
Size:	13.88" x 5.38" x 2.00"
Die Style:	Dieless
Operating Pressure:	10,000 PSI
Warranty:	5 year limited warranty

Accessories:

PT10054094: Red Nylon Carry Bag (included with tool)

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

4-POINT® 6 Ton, Remote C-Head, Dieless Remote Operated Hydraulic Tool

Tool: Y4PC834MBH

- Dieless System
- Range taking capabilities
- C-shaped head design
- 360° head rotation

For Use On:

Copper

Terminals: YA, YA-L (#8-1000 kcmil)

Splices: YS-L, YS, YS-T, Y-R (#8-500 kcmil)

Copper Flex

Terminals: YA-FX, YAV, YA-L-FX (#8-777.7 Flex)

Splices: YS, YSV-FXB (#8-500 kcmil)

Aluminum

Terminals: YA-A, YA-A-TN (#8-750 kcmil)

Splices: YS-A (#8-350 kcmil)*

HYPLUG™: AYP, AYPO (#8-750 kcmil)

*1.06" barrel diameter maximum for splices due to jaw opening

See Expanded Range details at start of Section C.



Specifications:

Output Force:	6 Tons
Tool Weight:	8.4 lbs
Size:	5.50" x 4.00" x 2.00"
Die Style:	Dieless
Operating Pressure:	10,000 PSI
Warranty:	5 year limited warranty

Models:

Y4PC834MBH	Standard 4-POINT® Dieless Remote C-Head tool
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Accessories:

PT10054094:	Red Nylon Carry Bag (included with tool)
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*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

9 Ton, Remote Latch Head
Remote Operated Hydraulic Tool

Tool Series: Y34BH

- Molded rubber covering on head, body, and hose fittings
- Fast ram retraction
- Compact C-shaped forged head

For Use On:

Copper #4 - 500 kcmil code cable
Welding Cable: 350 kcmil
N40 to N500 Navy Cable
Flexible and Extra Flexible
#4 - 4/0 Aircraft Cable

HYLUG™ Terminals (Bare)
HYLINK™ Splices (Bare)

HYCRAB™ BURNDY® Network Connector System

Copper: #4 - 500 kcmil str.
Aluminum: #6 - 300 kcmil



Specifications:

Output Force:	9 Tons
Tool Weight:	8.0 lbs
Size:	16.75" x 3.00" x 3.00"
Die Style:	B style nest & Y34 series indenter dies
Jaw Opening:	1.5"
Operating Pressure:	10,000 PSI
Warranty:	5 year limited warranty

Models:

Y34BH 9-Ton Remote C-Head tool

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories for other necessary equipment.*

Installation Die Charts for Y34BH

Copper Conductor		
Installation Die		Max. Conductor
Nest	Indenter	
B4CD	Y34PR	#4 Str.
B2CD	Y34PR	#2 Str.
B1CD	Y34PR	#1 Str.
B25D	Y34PR	1/0 Str.
B26D	Y34PR	2/0 Str.
B27D	Y34PR	3/0 Str.
B28D	Y34PR	4/0 Str.
B29D	Y34PR	250 kcmil
B30D	Y34PR	300 kcmil
B31D	Y34PR	350 kcmil
No Die Req'd	Y34PR	500 kcmil

Aluminum Conductor		
Installation Die		Max. Conductor
Nest	Indenter	
B4CD	Y34PA	#6 Str.
B1CD	Y34PA	#4 Str.
B25D	Y34PA	#2 Str.
B26D	Y34PR5	#1 Str.
B27D	Y34PR5	1/0 Str.
B29D	Y34PR5	2/0 Str.
B30D	Y34PR5	3/0 Str.
B31D	Y34PR5	4/0 Str.
B32D	Y34PR5	250 kcmil
No Die Req'd	Y34PR11	300 kcmil

4.5 Ton, 6,000 PSI, Remote C-Head Remote Operated Hydraulic Tool

Tool: Y29BH

- D series nest dies and Y29 series indenter dies
- Light weight, portable design
- C-shaped head; 1.2" jaw opening
- Easy placement/removal on continuous conductor lengths

For Use On:

Copper #8 - 2/0 AWG Code/Flex

Nylon Insulated Lugs:

(Connectors meet MIL-T-7928 requirements)
YAEV-L, YAEV-H, YAEV-RS, YAEV-RH

Non-Insulated Lugs:

(Connectors meet MIL-T-7928 requirements)
YAV-L, YAV-R, YAV-RS

Copper #8 - 4/0 AWG

Non-Insulated Splices:

(Type YSV-L connectors UL Listed/CSA Certified)
YSM, YSV-L



Specifications:

Output Force:	4.5 Tons
Tool Weight:	5.0 lbs
Size:	10.75" x 3.00" x 1.25"
Die Style:	D style nest & Y29 series indenter dies
Jaw Opening:	1.15"
Operating Pressure:	6,000 PSI
Warranty:	5 year limited warranty

Models:

Y29BH	4.5-Ton, 6,000 PSI, Remote C-Head tool
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Accessories:

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*



PT30250 metal carrying case (included with tool)

Installation Die Chart for Y29BH (Connectors meet MIL-T-7928 requirements)

Non-Insulated Connectors		Maximum Conductor	Insulated Connectors	
Nest	Indenter	Size	Nest	Indenter
DV8L1	Y29PL	#8 AWG	DEV8L	Y29PLE1
DV6L	Y29PL	#6 AWG	DEV6L	Y29PLE1
DV4L	Y29PL	#4 AWG	DEV4L	Y29PLE1
DV2L	Y29PL	#2 AWG	DEV2L	Y29PLE
DV1L	Y29PL	#1 AWG	DEV1L	Y29PLE
DV25L	Y29PL	1/0 AWG	DEV25L	Y29PLE
DV26L	Y29PL	2/0 AWG	DEV26L	Y29PLE

Y10D for Nylon & Bare

Hand-held plier tool for #22 - #10 AWG

Tool: Y10D

- One tool for both nylon insulated and bare connectors
- Precision machined wire cutter for aluminum and copper
- Heavy duty forged steel, rust resistant finish

Y1022 for Nylon, Vinyl, & Bare

Hand-held plier tool for #22 - #10 AWG

Tool: Y1022

- One step stripping #22 - #10 AWG
- Cuts common size mild steel, non-ferrous screws
- Crimps full range of Nylon, Vinyl and Bare terminals and splices

For Use On:

Y10D:

#22 - #10 AWG Nylon Insulated Terminals

Types: TN, TN-F, YAE-N, YAE-N-F, YAE-Z, YAEV, YAES,
YAES-E

#22 - #10 AWG Nylon Insulated Splices

Types: SN, YSE-HN*, SNM, YSES, YSE-H*

#22 - #10 AWG Bare Uninsulated Terminals

Types: T, YAD, T-F, YAD-F, YAV, YAV-T-F, YAV-H*, YAV-H-F*,
YAV-Z

#22 - #10 AWG Bare Uninsulated Splices

Types: YSV, YSV-H*

Y1022, All of above and also:

#22 - #10 AWG Vinyl Insulated Terminals

Types: TP, BA, TP-F, BA-EF, TP-Z, BA-EZ

#22 - #10 AWG Vinyl Insulated Splices

Types: SP, BS

*Conductor crimp only



Specifications: (Y10D)

Size:	9.75" x 5.00" x 1.00"
Weight:	13.5 oz.
Warranty:	5 year limited warranty



Specifications: (Y1022)

Size:	8.63" x 5.00" x .75"
Weight:	11 oz.
Warranty:	5 year limited warranty

Dieless, Front Load, for Ferrules

Full cycle ratchet tool for insulated / bare ferrules

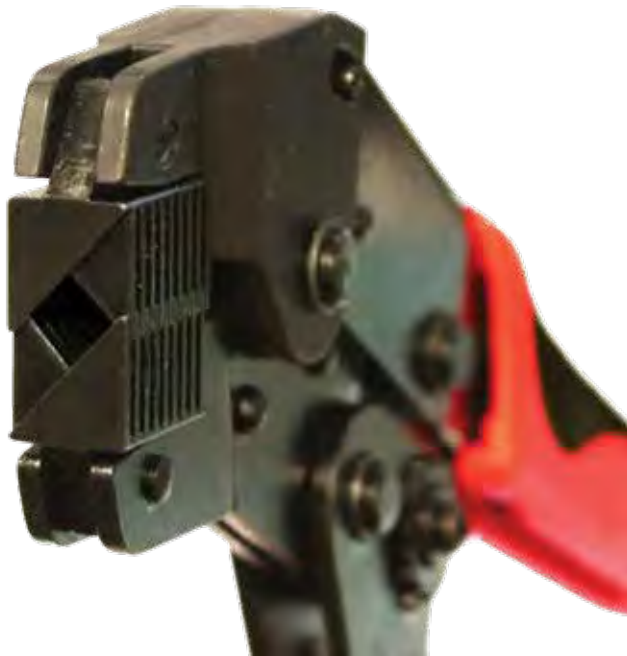
Tool: YF2210FL

- Front load crimping position
- Dieless crimping without multiple grooves
- Full cycle ratchet mechanism
- Ratchet release lever

For Use On:

#22 - #10 AWG Insulated and Uninsulated (Bare) Ferrules

Types: YF, YF-UI Wire End Ferrules



Close up of YF2210FL front load ratchet tool

Specifications:

Size:	7.75" x 2.32 x 1.00"
Die Style:	Dieless
Weight:	.82 lbs
Output Force:	1,600 lbs
Warranty:	5 year limited warranty



Crimp Profile

Ratchet Tools for Ferrules

Tools covering from #32 AWG to 250 kcmil

Tool Series: YFTOOL

- Release mechanism
- Low handle force
- Ergonomic handle design
- Trapezoidal crimp profile unless noted
- For use on insulated or uninsulated ferrules

For Use On:

#32 - #6 AWG Insulated and Uninsulated (Bare) Ferrules
Tool: YF3206TOOL (Square crimp profile)

#22 - #10 AWG Insulated and Uninsulated (Bare) Ferrules
Tool: YF2210TOOL

#10 - #6 AWG Insulated and Uninsulated (Bare) Ferrules
Tool: YF1006TOOL

#8 - 1/0 AWG Insulated and Uninsulated (Bare) Ferrules
Tool: YF081/0TOOL

#4 - 1/0 AWG Insulated and Uninsulated (Bare) Ferrules
Tool: YF041/0TOOL

1/0 - 3/0 AWG Insulated and Uninsulated (Bare) Ferrules
Tool: YF1/03/0TOOL

4/0 AWG - 250 kcmil Insulated and Uninsulated (Bare) Ferrules
Tool: YF4/0250TOOL



Specifications:

Length:	Varies
Weight:	Varies from 1.02 to 1.80 lbs
Warranty:	2 year limited warranty

Full Cycle Ratchet Tool

Hand-held ratchet tool for #22 to #8 AWG

Tool: Y8MRB1

- Light weight
- Each indenter has unique identifying marks for inspectability
- Fully enclosed, protected ratchet mechanism does not allow the handles to be opened until full ratchet cycle is completed
- Inspection gauges (sold separately) available to check each groove

For Use On:

#22 - 8 AWG Uninsulated (Bare) Terminals:

Types: T, YAD, T-F, YAD-F, YAV, YAV-L, YAV-T-F, YAV-Z

#22 - 8 AWG Uninsulated (Bare) Splices:

Types: YSV, YSV-L



Specifications:

Weight:	1.2 lbs
Size:	10.56" x 3.50" x 1.04"
Die Style:	Permanent Dies
Warranty:	5 year limited warranty

Accessories:

PG3951	Inspection gauge for #18 groove
PG3961	Inspection gauge for #14 groove
PG3971	Inspection gauge for #10 groove
PG3981	Inspection gauge for #8 groove

Fully Protected Ratchet Mechanism
Full Cycle Ratchet Tools for Critical Applications

Tool Series: MR8

- Fully enclosed, protected ratchet mechanism does not allow the handles to be opened until full ratchet cycle is completed
- Designed for critical applications such as nuclear-class 1E terminations, heavy duty industrial, aircraft
- Light weight aluminum
- Easy groove identification with color-coded dies

For Use On:

MR81A: #22 - #10 AN Copper Cable
INSULUG™ terminals/splices
YAE

MR89Q: #18 - #8 AN Copper Cable
#22 - #10 AWG Sol. Cable
#22 - #8 AWG Str. Cable
YAV, YSV, T, T-F, YAD, YAD-F

MR833S1: #18 - #10 MIL-W-5086 Str.
YSE, YSE-H

MR8G96: #22 - #14
TP, BA

MR8G98: #22 - #10
YAV, T, YAD



Specifications:

Size:	10.50" x 3.50" x 1.50"
Weight:	1.5 lbs
Die Style:	Permanent Dies
Warranty:	5 year limited warranty

Ergonomic Full Cycle Ratchet Tool For #22 to #10 AWG; Nylon/Vinyl and Bare

Tool Series: MRE1022

- Ratchet mechanism does not allow handles to open until full cycle is complete
- Stop plate ensures proper location for consistent reliable connection
- Die Inspection Gauges available (sold separately)
- Easy groove identification with color coded dies
- Ratchet release lever in case of misalignment

For Use On:

MRE1022B

#22 - #10 AWG Uninsulated (Bare) Terminals/Splices
Types: T, YAD, T-F, YAD-F, YAV, YAV-H, YAV-R, YAV-T-F,
YAV-H-F, YAV-Z, YSV, YSV-H

MRE1022NV

#22 - #10 AWG Nylon & Vinyl Insulated Terminal/Splices
Types: TP, BA, TP-F, BA-EF, TP-Z, BA-EZ, TP-LF, BA-EL,
SP, BS, TN, YAES, TN-F, YAES-F, SNM*, YSES*,
YAE-N, YAE-N-F, YAE-Z, YSE-HN, YSE-H, YAEV

*Excludes #10 size



Specifications:

Weight:	1.3 lbs
Size:	10.50" x 3.00" x 1.00"
Die Style:	Permanent Dies
Warranty:	5 year limited warranty

Accessories:

PG4032R:	Die Inspection Gauge for #22 - #14 AWG for MRE1022B
PG4031R:	Die Inspection Gauge for #12 - #10 AWG for MRE1022B
PG4061:	Die Inspection Gauge for #22 - #18 AWG (Red) for MRE1022NV
PG4071:	Die Inspection Gauge for #16 - #14 AWG (Blue) for MRE1022NV
PG4081:	Die Inspection Gauge for #12 - #10 AWG (Yellow) for MRE1022NV



Close-up
MRE1022NV

Full Cycle Ratchet Hand-held Tool
For #22 to #10 AWG Terminals/Splices

Tool Series: MR

- Ratchet mechanism does not allow handles to open until full cycle is complete
- Easy groove identification with color coded dies
- Compact, narrow nose
- Comfort grip handles
- Ratchet release lever in case of misalignment

For Use On:

MR15

#22 - #10 AWG Vinyl Insulated Terminals/Splices

Types: TP, BA, TP-F, BA-EF, TP-Z, BA-EZ, TP-LF, BA-EL, SP, BS

MR18

#22 - #10 AWG Nylon Insulated Terminals/Splices

Types: TN**, TN-F, YAES, YAES-F, SN, SNM, YSE-HN, YSES

MR20

#22 - #10 AWG Uninsulated (Bare) Terminals/Splices

Types: T, YAD-F, T-F, YAV-H*, YAV, YAV-H-F*, YAD, YAV-T-F, YSV, YSV-H*

*Conductor crimps only

**Excludes #10 Size



Specifications:

Size:	8.88" x 6.00" x 2.50"
Weight:	1.1 lbs
Warranty:	5 year limited warranty

Accessories:

MR15DIESETD1:	MR15 interchangeable die set
MR18DIESETD1:	MR18 interchangeable die set
MR20DIESETD1:	MR20 interchangeable die set

Full Cycle Ratchet Hand-held Tool For #9 to #4 AWG; Bare Terminals/Splices

Tool: MR4C

- Reinforced heavy duty back with high strength aluminum body
- Fully protected ratchet mechanism does not allow handles to open until full cycle is completed
- Inspection gauges available to check each groove (sold separately)
- Spring loaded indenter jaw, keeps jaws closed

For Use On:

#9 - #4 AWG Uninsulated (Bare) Terminals/Splices

Types: YAV-L, YA-L, YSV, YS-L



Specifications:

Length:	11.75" x 3.62" x 1.00"
Weight:	2.3 lbs
Die Style:	Permanent Dies
Warranty:	5 year limited warranty

Accessories:

PG1211:	Die Inspection Gauge for #9 - #8 AWG groove
PG1251:	Die Inspection Gauge for #6 AWG groove
PG1331:	Die Inspection Gauge for #4 AWG groove

Rotating Die, Full Cycle Ratchet Tool

For #8 to #1 AWG Copper HYDENT™ Terminals/Splices and #14 to #4 Thin-Wall C-Taps

Tool Series: Y1MRTC

- Die index embossment
- Rotating die with color coding to match connectors
- Ratchet mechanism with release in case of misalignment

For Use On:

See charts for details

#8 - #1 AWG Uninsulated (Bare) Terminals and Splices

Types: YA, YAV, YS, YSV

#14 - #4 AWG Thin Wall C-Taps

YC10L12, YC8L12, YC6L12, YC4L12



Specifications:

Size:	9.88" x .75" x 2.75"
Weight:	1.7 lbs
Die Style:	Rotating Die Wheel
Warranty:	5 year limited warranty

Copper Terminals & Splices				
Copper Wire Size	Connector Catalog Types	Die Index # (Color)	# Crimps per Barrel Length	
			Std	Long
#8 AWG Code & Flex	YA8C- YS8C- YAV8C- YSV8C-	49 (Red)	1	2
#6 AWG Code	YA6C- YS6C-	7 (Blue)	1	2
#6 AWG Code & Flex	YAV6C- YSV6C-			
#4 AWG Code	YA4C- YS4C-	8 (Grey)	2	4
#4 AWG Code & Flex	YAV4C- YSV4C-			
#3 AWG #2 Sol.	YA3C- YS3C-	9 (White)	2	4
#2 AWG Code	YA2C- YS2C-	10 (Brown)**	2	4
# 2 AWG Code & Flex	YAV2C- YSV2C-			
#1 AWG Code	YA1C- YS1C-	11 (Green)**	2	4

**Die Index 10/Brown and 11/Green use the same die wheel crimp groove.

Copper C-Tap Connectors				
Catalog Number	Wire Size Cu Str. AWG		Die Index # (Color)	# of Crimps
	Run	Tap		
YC10L12	14 12 10	16-14 16-14 16	49 (Red)	1
YC8L12	10 8	10 12	7 (Blue)	1
YC6L12	8 6	10-8 12-10	8 (Grey)	1
YC4L12	6 5, 4	8-6 12-8	10 (Brown)	2

Models:

Y1MRTC	Standard tool only
Y1MRKIT	Y1MRTC tool, sturdy metal carrying case and select terminals/splices
Y1MRTCKIT	Y1MRTC tool, sturdy metal carrying case, selected terminals and YC4L12 Thin-Wall C-Tap

Ergonomic Full Cycle Ratchet Hand-held Tool

For #12 to #2 AWG; Stranded, Solid, Flex

Tool: Y122CMR

- Overmolded comfort grip handles
- Easy groove identification with color coded dies
- UL Listed/CSA Certified connections when used with recommended BURNDY terminals/splices
- Die index embossment for all 6 wire ranges
- Emergency release mechanism in case of misalignment or mistaken die choice
- Two different kits are also available with a selection of connectors in a sturdy metal carrying case (Y122CMRKIT and Y122CMRCIKIT)



Accommodates Copper Terminals and Splices				
Copper Wire Size	Connector Catalog Types	Die Index # (Color Code)	Number of Crimps	
			Standard Barrel	Long Barrel
#10 - #12 AWG Sol. & Str.	T10-, YAD10-, YAV10, YAZ10, YAZV10-	-- (Yellow)	1	N/A
#8 AWG Code & Flex	YA8C-, YAV8C-, YAZ8C-, YAZV8C-, YS8C, YSV8C-	49 (Red)	1	2
#6 AWG Code	YA6C-, YAZ6C-, YS6C-	7 (Blue)	1	2
#6 AWG Code & Flex	YAV6C-, YAZV6C-, YSV6C-			
#4 AWG Code	YA4C-, YAZ4C-, YS4C-	8 (Gray)	2	4
#4 AWG Code & Flex	YAV4C-, YAZV4C-, YSV4C-			
#3 AWG Code & #2 AWG Sol	YA3C-, YS3C	9 (White)	2	4
#2 AWG Code	YA2C-, YAZ2C-, YS2C-	10 (Brown)	2	4
#2 AWG Code & Flex	YAV2C-, YAZV2C-, YSV2C-			

Accessories:

Die Inspection Gages are available and sold separately. See table to the right for information.

Specifications:

Catalog Number	Y122CMR
Size:	10.38" x 3.00" x 1.00"
Weight:	1.3 lbs
Die Style:	Rotating Die Wheel
Warranty:	5 year limited warranty

Copper C-Tap Connectors				
Catalog Number	Wire Size Cu Str. AWG		Die Index # (Color)	# of Crimps
	Run	Tap		
YC10L12	14 12 10	16-14 16-14 16	49 (Red)	1
YC8L12	10 8	10 12	7 (Blue)	1
YC6L12	8 6	10-8 12-10	8 (Grey)	1
YC4L12	6 5, 4	8-6 12-8	10 (Brown)	2

Gage Catalog Number	AWG Size	Die Index	Color Code
PG4091	#10 - #12	--	Yellow
PG4092	#8	49	Red
PG4093	#6	7	Blue
PG4094	#4	8	Gray
PG4095	#3	9	White
PG4096	#2	10	Brown

Y122CMR Tools with select connectors
For #12 to #2 AWG Stranded, Solid, and Flex

Tool Series: Y122CMR Kits

- Overmolded comfort grip handles
- Easy groove identification with color coded dies
- UL Listed/CSA Certified connections when used with recommended BURNDY terminals/splices
- Die index embossment for all 6 wire ranges
- Two kits available that include popular connectors in a sturdy metal carrying case
- **Y122CMRKIT** offers select LONG barrel connectors
- **Y122CMRCIKIT** offers select STANDARD barrel connectors



Y122CMRKIT shown

Y122CMRKIT Contents: (all connectors are LONG Barrel)		
Catalog Number	Description	Qty
Y122CMR	HYTOOL™ Full Cycle Ratchet Tool	1
Y1MRKITCASE	Metal Case for Tool and Connectors	1
YAV102TC14	#10 Sol & Str, 1/4" Stud, 2 Holes	15
YAZV10TC14	#10 Sol & Str, 1/4" Stud, 1 Hole	15
YAZV102TC14	#10 AWG, 1/4" Stud, 2 Holes	15
YAZ8CTC14	#8 AWG, 1/4" Stud, 1 Hole	15
YAZ8C2TC38	#8 AWG, 3/8" Stud, 2 Holes	15
YAZ6CTC14	#6 AWG, 1/4" Stud, 1 Hole	15
YAZ6C2TC38SL	#6 AWG, 3/8" Stud, 2 Slotted Holes	15
YAZ6C2TC14	#6 AWG, 1/4" Stud, 2 Holes	15
YAZV6C2TC14FX	#6 Code & Flex, 1/4" Stud, 2 Holes	15
YAZ6C2TC38	#6 AWG, 3/8" Stud, 2 Holes	15
YAZ4C2TC38	#4 AWG, 3/8" Stud, 2 Holes	15
YAZ3C2TC14	#3 AWG, 1/4" Stud, 2 Holes	15
YAZ3C2TC38SL	#3 AWG, 3/8" Stud, 2 Slotted Holes	15
YAZ2C2TC38	#2 AWG, 3/8" Stud, 2 Holes	15
YAZ2C2TC38SL	#2 AWG, 3/8" Stud, 2 Slotted Holes	15
YAZV2C2TC14FX	#2 Code & Flex, 1/4" Stud, 2 Holes	15
Y122CMRSOMI	Safety Operating & Maintenance Instructions	1

Accessories:

Die Inspection Gages are available and sold separately.
See Y122CMR catalog page for details.

Specifications:

Size: 18.00" x 7.50" x 2.00"
Weight: 13.7 lbs
Die Style: Rotating Die Wheel
Warranty: 5 year limited warranty

Y122CMRCIKIT Contents: (all connectors are STANDARD Barrel)		
Catalog Number	Description	Qty
Y122CMR	HYTOOL™ Full Cycle Ratchet Tool	1
Y1MRKITCASE	Metal Case for Tool and Connectors	1
YAV10T3	#10 Sol & Str, 1/4" Stud, 1 Hole	15
YA8CL	#8 AWG, #10 Stud, 1 Hole	15
YA8CL1	#8 AWG, 1/4" Stud, 1 Hole	15
YA6CL	#6 AWG, 1/4" Stud, 1 Hole	15
YAV6CLTC14FX	#6 AWG & Flex, 1/4" Stud, 1 Hole	15
YA4CL	#4 AWG, 1/4" Stud, 1 Hole	15
YAV4CLTC516FX	#4 AWG & Flex, 5/16" Stud, 1 Hole	15
YA2CL	#2 AWG, 5/16" Stud, 1 Hole	15
YAV2CLTC516FX	#2 AWG & Flex, 5/16" Stud, 1 Hole	15
YSV10	#10 Sol & Str Splice	15
YS8CL	#8 AWG Splice	15
YS6CL	#6 AWG Splice	15
YS4CL	#4 AWG Splice	15
YS2CL	#2 AWG Splice	15
Y122CMRSOMI	Safety Operating & Maintenance Instructions	1

Full Cycle Ratchet Hand-held Tool For #26 to #8 AWG Terminals/Splices

Tool: M8ND

- Ratchet mechanism does not allow handles to open until full cycle is complete
- Fully protected ratchet mechanism
- Uses standard BURNDY N style dies (sold separately)
- Easy groove identification with color coded dies

For Use On:

#26 - #8 AWG Terminals/Splices

Terminal Types: YAD, BA-E, YAD-F, BA-EF, YAE, BA-ES, YAE-F, BA-EZ, YAE-Z, BA-EL, YAES, YAEV-H, YAEV-L, YAV, YAV-F, YAV-H, YAV-H-F

Splice Types: YSV, YSM, YSV-H, YRV-L



M8ND shown with N8CT die set installed. (Dies sold separately.)

Specifications:

Weight:	1.8 lbs
Size:	10.88" x 2.00" x .88"
Die Style:	N style
Cycles:	10,000
Warranty:	5 year limited warranty

Mechanical Rotating Crimp Tool
For #8 to #4/0 AWG Uninsulated (Bare) Terminals/Splices

Tool Series: MRC840

- Heat treated steel jaws
- Spring loaded mechanism locks die wheel into position
- Multiple crimp selection with rotatable die wheels
- Die index embossment for inspectability

For Use On:

MRC840

#8 - #4/0 AWG Copper Terminals/Splices

Types: YA, YA-L, YS, YS-L

MRC840AL

#8 - #4/0 AWG Aluminum Terminals/Splices

Types: YA-A, YS-A



Specifications:

Size:	26.00" x 8.00" x 1.50"
Weight:	8.3 lbs
Die Style:	Rotating Die Wheel
Warranty:	5 year limited warranty

Mechanical Compression Tool, Dieless

#8 Str. to 250 kcmil Copper; #8 Str. to 4/0 Str. Aluminum

Tool Series: MY28 / MY29

- Easy to adjust nest die with knurled steel knob and machine threads
- Rugged tool design with heavy duty forged steel with reinforced back and handles
- Bench mount adapter (sold separately) available

For Use On:

MY293, MY293C (covered handles),

MY293CF (fully covered)

#8 Str. - 250 kcmil Copper commercial (code) cable

30 Navy - 250 Navy Copper Navy cable

#8 Str. - 4/0 Str. Aluminum commercial (code) cable

Types (Copper): YA, YA-L, YS-L

Types (Aluminum): YA-A, YS-A

MY2911, MY2911C (covered handles),

MY29UNIVERSALKIT (MY2911 tool with select connectors)

#8 Str. - 250 kcmil Copper commercial (code) cable

30 Navy - 250 Navy Copper Navy cable

#8 Str. - 4/0 Str. Flexible copper mine machine cable

Types (Copper): YA, YA-L, YS, YAV-FX, YS-L,

YAV-L, YSV-L

MY28

#8 Str. - 4/0 Str. Copper aircraft cable

Types (Copper): YAV-L, YSV-L

MY284

#8 Str. - 4/0 Str. Aluminum aircraft cable

Types (Aluminum): YAV-A-L, YSV-A-L, YAV-A-R

MY286

#8 Str. - 2/0 Str. Copper aircraft cable (flexible)

Types (Copper): Nylon Insulated: YAE-L, YAEV-RS,

YAEV-H, YAEV-RH



Specifications:

Weight:	8.0 lbs
Size:	22.65" x 4.88" x 1.12"
Die Style:	Dieless
Cycles:	10,000
Warranty:	5 year limited warranty

Accessories:

BMVBCHMT: Bench Mount Adapter

Close-up of dieless mechanism



Full Cycle Ratchet Tool, Dieless

Installs Service Entrance Splice Connectors #10 to 1/0 Str.

Tool: OH25

- Ratchet mechanism does not allow handles to open until full cycle is complete
- Easy, one-hand operation incrementally closes jaws with each handle stroke
- Spring-loaded comfort grip handles
- Forged steel jaws and stainless steel indenter

For Use On:

Conductor Range: #10 - 1/0 Str.

5/8" Service Entrance Sleeves:

INSULINK™ Type ES (insulated) #10 - 1/0 Str.

LINKIT™ Type YSU (bare) #8 - 1/0 Str.

5/8" Neutral Tension Sleeves

HYSPLICE™ Types:

YS-S, YCS-R, YDS-AT #4 - 1/0 Str.

HYPLUG™ AYP Type #6 - 1/0 Str.



Specifications:

Handle Force:	50 lbs max.
Force Developed:	6,000 lbs max.
Size:	12.25" x 3.75" x 1.50"
Weight:	2 lbs. 11 oz.
Die Style:	Dieless
Warranty:	5 year limited warranty

Accessories:

PT4583:	Leather Holster
PT8504:	Go/No-Go Gauge; used to check crimp dimensions



PT4583 Leather Holster
(sold separately; shown with
OH25 tool)

POPPER™ HYTOOL™ Full Cycle Ratchet Overhead/Underground Applications

Tool: OUR840

- Allows proper crimping of sleeves/terminations in underground applications
- Uses X dies for reduced handle force and W dies for fewer number of crimps
- UL Listed connections when used with BURNDY Listed connectors and color-coded X dies



For Use On:

See charts for details

Selected Applications:

Copper conductors #8 AWG - 250 kcmil
Aluminum conductors #8 AWG to 4/0 AWG

Specifications:

Handle Force:	8 lbs max.
Force Developed:	8,000 lbs max.
Die Style:	W and X style dies
Size:	13.00" x 3.75" x 1.50"
Weight:	2 lbs. 14 oz.
Warranty:	5 year limited warranty

Accessories:

XOH25:	Nest/Indenter die set for OUR840
W28K:	Cutter die for #4 - 4/0 ACSR, Copper, Aluminum
PT4583:	Leather Holster made from top grain cowhide saddle leather with large grommet
OUR840WC:	Metal carrying case with die tray - holds OUR840 tool and up to eleven (11) X dies (sold separately)

Copper Terminals & Splices

Copper Wire Size	Connector Catalog Types	Die	Die Index # (Color)	# Crimps per Barrel Length	
				Std	Long
#8 AWG Str.	YA / YS 8C-	X8CRT	49 (Red)	1	2
#6 AWG Str. #5 AWG Str.	YA / YS 6C-, YA / YS 5C-	X5CRT	7 (Blue)	1	2
#4 AWG Str.	YA / YS 4C-	X4CRT	8 (Gray)	1	2
#2 AWG Str.	YA / YS 2C-	X2CRT	10 (Brown)	1	2
#1 AWG Str.	YA / YS 1C-	X1CRT	11 (Green)	1	2
1/0 AWG Str.	YA / YS 25-	X25RT	12 (Pink)	2	4
2/0 AWG Str.	YA / YS 26-	X26RT	13 (Black)	2	4
3/0 AWG Str.	YA / YS 27-	X27RT	14 (Orange)	3	6
4/0 AWG Str.	YA / YS 28-	X28RT	15 (Purple)	3	6
250 kcmil	YA / YS 29-	X29RT	16 (Yellow)	4	8

Aluminum Terminals & Splices

Aluminum Wire Size	Connector Catalog Types	Die	Die Index # (Color)	# Crimps
#8 AWG Str.	YA / YS 8CA	X8CART	374 (Blue)	2
#6 AWG Str.	YA / YS 6CA-	X6CART	346 (Gray)	2
#4 AWG Str.	YA / YS 4CA-	X4CART	375 (Green)	3
#2 AWG Str.	YA / YS 2CA-	X2CART	348 (Pink)	4
#1 AWG Str.	YA / YS 1CA-	X1CART	471 (Gold)	3
1/0 AWG Str.	YA / YS 25A-	X25ART	296 (Tan)	4
2/0 AWG Str.	YA / YS 26A-	X26ART	297 (Olive)	4
3/0 AWG Str.	YA / YS 27A-	X27ART	467 (Ruby)	4
4/0 AWG Str.	YA / YS 28A-	X28ART	298 (White)	6

HYTOOL™ Hand-Operated Crimper
 Installs full range of connectors #14 AWG to 500 kcmil

Tool Series: MD6

- Uses W & X style dies
- Spring loaded positive lock die retainer buttons
- Multiple models available

For Use On:

Copper, Aluminum, ACSR, Steel, Copperweld, Alumoweld, 6201, 5005, Compressed, and Compact Conductors

Taps:

Copper: #10 sol. to 2/0 str.

Aluminum & ACSR: #14 sol. to 4/0 ACSR

Stirrups:

#6 to 4/0 ACSR

Overhead Full Tension Deadends, Full Tension Splices and Terminals:

#10 str. to 4/0 ACSR

Terminals & Splices*:

#8 to 500 kcmil Copper Stranded (YA, YA-L, YS, YS-L)

#8 to 350 kcmil Copper Flex

#8 to 350 kcmil Aluminum (YA-A, YS-A)

* NOTE: Sizes 250-500 kcmil are not recommended with MD6 & MD7 Series due to high handle force. Suggest PATMD-LW Series.

Models:

MD6	Permanent BG (5/8) and D3 grooves; with WO die (sold separately) can install the CABLELOK CRIMPIT™ and HYCRIMP™ tap connectors
MD68	Permanent O and D3 grooves; with WBG die (sold separately) can install the CABLELOK CRIMPIT™ and HYCRIMP™ tap connectors
MD66	Snub-nose, permanent D3 groove only
MD637	Permanent 161, 162, 163, 171 dies in jaw (J, M & P, T & X)
MD638	Permanent K, BG, C dies in jaw



Specifications:

Crimp Force:	4.5 Tons
Life Cycle:	Tested over 90,000 cycles with no adjustments or part replacement
Length:	25.50" x 4.50" x 2.00"
Weight:	6.0 lbs
Die Style:	W and X styles
Warranty:	5 year limited warranty

Models (continued):

MD64	Permanent BG (5/8) and D3 grooves; straight fiberglass handles 24" long; fiberglass rated 100kV per foot for 5 min.
MD614	Permanent BG (5/8) and D3 grooves; straight fiberglass handles 19" long with grips; fiberglass rated 100kV per foot for 5 min.
MD612	Permanent O and D3 grooves; straight fiberglass handles 24" long; fiberglass rated 100kV per foot for 5 min.

Accessories:

WBG:	Common die set for MD68, MD612
WO:	Common die set for MD6, MD64, MD614
WDIETREE:	W die holder for 6 die sets

HYTOOL™ Hand-Operated Crimper

Installs full range of connectors #14 AWG to 500 kcmil

Tool Series: MD7

- Uses W & X style dies
- Ergonomic, one-piece composite polymer handles
- Nickel plated jaws and jaw links

For Use On:

Copper, Aluminum, ACSR, Steel, Copperweld, Alumoweld, 6201, 5005, Compressed, and Compact Conductors

Taps:

Copper: #10 sol. to 2/0 str.

Aluminum & ACSR: #14 sol. to 4/0 ACSR

Stirrups:

#6 to 4/0 ACSR

Overhead Full Tension Deadends, Full Tension Splices and Terminals:

#10 str. to 4/0 ACSR

Terminals & Splices*:

#8 to 500 kcmil Copper Stranded (YA, YA-L, YS, YS-L)

#8 to 350 kcmil Copper Flex

#8 to 350 kcmil Aluminum (YA-A, YS-A)

* NOTE: Sizes 250-500 kcmil are not recommended with MD6 & MD7 Series due to high handle force. Suggest PATMD-LW Series.



Specifications:

Output Force:	4.5 Tons
Size:	25.00" x 4.50" x 2.00"
Weight:	7.0 lbs.
Die Style:	W and X styles
Life Cycle:	Tested over 90,000 cycles with no adjustments or part replacement
Warranty:	5 year limited warranty

Models:

MD7	Permanent BG (5/8) and D3 grooves; with WO die (sold separately) can install the CABLELOK CRIMPIT™ and HYCRIMP™ tap connectors
MD78	Permanent O and D3 grooves; with WBG die (sold separately) can install the CABLELOK CRIMPIT™ and HYCRIMP™ tap connectors
MD76	Snub-nose, permanent D3 groove only

Accessories:

WBG:	Common die set for MD78
WO:	Common die set for MD7, MD76
WDIETREE:	W die holder for 6 die sets

POSI-PRESS™ Hand-Operated Crimper
Hand-operated Full Cycle Ratchet Tool

Tool Series: MD7 Ratchet

- Full stroke ratchet mechanism
- Ergonomical one-piece composite polymer handles
- Uses W & X style dies

For Use On:

Copper Lugs/Splices #8 - 500 kcmil:

Types: YA, YA-L, YA-L-TC, YA-L-NT, YS-L, YS, YST, YA-TC

Copper Lugs/Splices #8 - 350 kcmil Flex

Types: YAV-L-TC-FX, YA-LB, YA-TC-FXB, YSV-L, YAV-L-NT-FX, YAV-L-FX, YAV-FXB

Copper Battery Lugs #8 - 350 kcmil Flex

Type: YAG-TC-LD

Thin Wall C-Taps #12 - 3/0 AWG

Type: YC-L

Models:

MD734R	POSI-PRESS™ Full Cycle Ratchet Tool
MD734RC	MD734R tool with EPDM rubber covering
MD734RKIT1	MD734R tool, metal carrying case and all dies for #8 - 500 kcmil copper HYDENT™ and C-Taps for #12 - 3/0 AWG
MD734	Supplied <u>without</u> the ratchet mechanism
MD734KIT1	MD734 tool (no ratchet mechanism), metal carrying case and all dies for #8 - 500 kcmil copper HYDENT™ and C-Taps for #12 - 3/0 AWG



Specifications:

Crimp Force:	4.5 Tons
Length:	26.00" x 4.50" x 2.00"
Width:	8.00" at handles; 4.50" at jaws
Die Style:	W and X styles
Handle Material:	Reinforced composite polymer
Warranty:	5 year limited warranty

Accessories:

PT49521:	Metal carry case (sold separately)
PT4925:	Canvas bag (sold separately)
WDIETREE:	W die holder for 6 sets of dies (sold separately)

OEM Pneumatic Press

Installs #8 to 4/0 AWG

Tool: OEM840NCP

- Customizable clear safety guard for left, right, or front feed cable entry
- Guarded foot switch
- Adjustable connector locator
- Cycle counter
- Accommodates UM, U and W dies
- Testing for UL Listing performed up to:
 - U dies: UL Listed to 1/0 AWG (YA-L), #2 AWG (YAV-L)
 - W dies: UL Listed to 3/0 AWG (YA-L), 1/0 AWG (YAV-L)

Models:

OEM840NCP OEM Pneumatic Press (press only*)

*Requires U / UM or W Die Holder Assembly for use. Sold separately, see below.

Accessories:

PT50024685: U / UM Die Holder Assembly (sold separately)

PT50024683: W Die Holder Assembly (sold separately)

PT50024605: Front Safety Guard

See Connector and Die Selection Matrix below
all dies, nest and indenters are sold separately



Specifications:

Weight:	60.0 lbs
Size:	22.75" x 12.38" x 10.25" (18.56" L with air gauge)
Die Style:	UM, U, W Styles
Crimp Speed:	3 seconds (approximately)
Life Cycles:	2.5 M cycles (min)
Air Pressure:	90-100 PSI
Connector Port:	3/8" NPT female thread
Warranty:	2 year limited warranty

Connector and Die Selection Matrix

Wire Size	YAD-M Connectors*		YA and YA-L Connectors		YAV and YAV-L Connectors	
	UM Dies (DLO Copper)		U Dies (Code)	W Dies (Code)	U Dies (Code)	W Dies (Code)
	Indenter	Nest	Copper	Copper	Copper	Copper
#8 AWG	UMA	UM8CN	U8CRT	W8CRT	U8CRT	W8CRT
#6 AWG	UMB	UM6CN	U6CRT	W6CRT	U6CRT	W6CRT
#4 AWG	UMB	UM4CN	U4CRT	W4CRT	U4CRT	W4CRT
#2 AWG	UMB	UM2CN	U2CRT	W2CRT	U2CRT	W2CRT
1/0 AWG	UMC	UM25N	U25RT	W25RT	U25RT*	W25RT
2/0 AWG	UMC	UM26N	U26RT*	W26RT	U26RT*	W26RT*
3/0 AWG	UMC	UM27N	U27RT*	W27RT	U27RT*	W27RT*
4/0 AWG	UMC	UM28N	U28RT*	W28RT*	U28RT*	W28RT*

* Not UL Listed



UM Nest/Indenter



UM Crimped Terminal

Pneumatic Bench Top Press
 Terminates Small Terminals on Mylar Tape (#22-#10 AWG)

Tool: OEM175TFM

- Auto feed mechanism; High volume crimping
- 2-stage ram for accurate conductor placement
- Foot actuated pedal included
- Clear plastic safety guard with interlock switch to prevent access into crimp area during operation
- Quick change over
- Emergency release switch



For Use On:

#22 - #10 AWG Small HYDENT™ Ring and Fork Tongue Terminals on Mylar Tape Reels
 Bare (non-insulated)
 requires TFM2214B & TFM1210B dies*
 Vinyl and Nylon Insulated
 requires TFM2218NV, TFM1614NV & TFM1210NV dies*

*Dies sold separately

Specifications:

Weight: 58 lbs
Size: 36" W x 24" D x 20" H
Die Style: TFM-B, TFM-NV Styles (sold separately)
Air Pressure: 90 - 100 PSI
Warranty: 2 year limited warranty

Current Terminals Available on Mylar Tape Reels (others may be available upon request)

Wire Size	Stud Size	Rings			Standard Forks			Locking Forks	Flanged Forks	
		Non-Insulated	Vinyl	Nylon	Non-Insulated	Vinyl	Nylon	Vinyl	Vinyl	Nylon
#22 - #16	2			YAE18N27M		BA16EF2M			BA16EZ2M	YAE18Z1M
	4	YAD184M	BA16E4M	YAE18N26M						
	6	YAD186M	BA16E6M	YAE18N21M	YAD186FM	BA16EF6M	YAE18G43FM	BA16EL6M	BA16EZ6M	YAE18Z2M
	8	YAD188M	BA16E8M	YAE18N11M		BA16EF8M	YAE18N57FM	BA16EL8M	BA16EZ8M	YAE18Z3M
	10	YAD1810M	BA16E10M	YAE18NM		BA16EF10M		BA16EL10M	BA16EZ10M	YAE18Z4M
	1/4	YAD1814M	BA16E14M	YAE18N2M						
	5/16			YAE18N3M						
#16 - #14	6	YAD146M	BA14E6M	YAE14N43M	YAD146FM		YAE14N76FM	BA14EL6M	BA14EZ6M	YAE14Z2M
	8	YAD148M	BA14E8M	YAE14N11M		BA14EF8M	YAE14N77FM	BA14EL8M	BA14EZ8M	YAE14Z3M
	10	YAD1410M	BA14E10M			BA14EF10M	YAE14N78FM	BA14EL10M	BA14EZ10M	YAE14Z4M
	1/4	YAD1414M	BA14E14M	YAE14N2M						
	5/16		BA14E516M	YAE14N3M						
#10 - #12	6	YAD106M	BA10E6M	YAE10N5M	YAD106FM	BA10EF6M		BA10EL6M		YAE12Z2M♦
	8	YAD108M	BA10E8M	YAE10N11M	YAD108FM	BA10EF8M		BA10EL8M	BA10EZ8M	YAE12Z3M♦
	10	YAD1010M	BA10E10M	YAE10NM	YAD1010FM	BA10EF10M		BA10EL10M	BA10EZ10M	YAE12Z4M♦
	1/4	YAD1014M	BA10E14M	YAE10N3M	YAD1014FM					
	5/16	YAD10516M		YAE10N2M						
	3/8	YAD1038M								

♦ Wire Size #14 - #12

DIE PROFILES

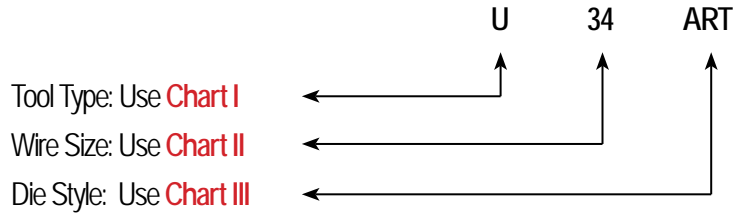
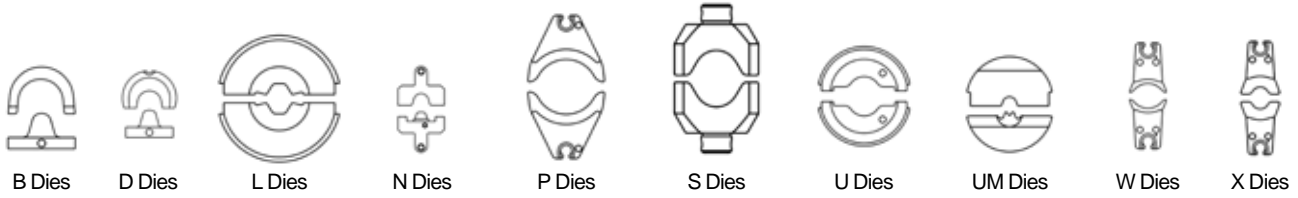


CHART I - Tool Type

B = Y34BH	U = 35 and 750 Series, 46 Series w/PUADP1 U-die Adapter
D = Y29BH	
L = 60 Series	UM = OEM840NCP, 750 Series, 46 Series w/PUADP1 U-die Adapter
N = M8ND	
P = 46 Series	W = MD and PATMD Series, PAT500SJ, PAT600
S = Y45	X = MD6 and MD7 Series, OUR840

CHART II - Wire Size

12 = #12 AWG	27 = 3/0
10 = #10 AWG	28 = 4/0
8C = #8 AWG	29 = 250 kcmil
6C = #6 AWG	30 = 300 kcmil
5C = #5 AWG	31 = 350 kcmil
4C = #4 AWG	32 = 400 kcmil
3C = #3 AWG	34 = 500 kcmil
2C = #2 AWG	36 = 600 kcmil
1C = #1 AWG	39 = 750 kcmil
25 = 1/0	44 = 1000 kcmil
26 = 2/0	

Or INDEX NUMBER: Example U312 = **312** Die Index

CHART III - Die Style

- A** = Aluminum
- R** = Round (circumferential)
- T** = Twin Die (both halves)

60 Ton Dies
HPS/Fargo-equivalent Dies; CD Index, Circumferential



BURNDY Die Catalog Number	Conductor Code Name	Conductor Size	Typical HPS/Fargo Connectors	
			UNI-GRIP® Splice	UNI-GRIP® Deadend
07CD60	Peony	300.0 AAC	C150707	C010707
	Tulip	336.4 AAC	C150707	C010707
	Daffodil	350.0 AAC	C150707	C010707
	no name (0.595-0.680 dia.)	281.4-312.8 AAAC	AB150707	AB010707
	Owl	266.8 ACSR 6/7 Str.	A150709	A010709
	Partridge	266.8 ACSR 26/7 Str.	A150710	A010710
08CD60	Canna	397.5 AAC	C150808	C010808
	Four-O'Clock	400.0 AAC	C150808	C010808
	no name (0.681-0.765 dia.)	394.5-419.6 AAAC	AB150808	AB010808
	Ostrich	300.0 ACSR 26/7 Str.	A150811	A010811
	Merlin	336.4 ACSR 18/1 Str.	A150812	A010812
	Linnet	336.4 ACSR 26/7 Str.	A150813	A010813
09CD60	Chickadee	397.5 ACSR 18/1 Str.	A150815	A010815
	Goldentuft	450.0 AAC	C150909	C010909
	Yarrow	450.0 AAC	C150909	C010909
	Cosmos	477.0 AAC	C150909	C010909
	Syringa	477.0 AAC	C150909	C010909
	Zinnia	500.0 AAC	C150909	C010909
	Hyacinth	500.0 AAC	C150909	C010909
	Ganzania	550.0 AAC	C150909	C010909
	no name (0.772-0.855 dia.)	465.4-503.6 AAAC	AB150909	AB010909
	Oriole	336.4 ACSR 30/7 Str.	A150914	A010914
	Brant	397.5 ACSR 24/7 Str.	A150916	A010916
	Ibis	397.5 ACSR 26/7	A150917	A010917
10CD60	Pelican	477.0 ACSR 18/1 Str.	A150919	A010919
	Flicker	477.0 ACSR 24/7 Str.	A150920	A010920
	Dahlia	556.5 AAC	C151010	C011010
	Mistletoe	556.5 AAC	C151010	C011010
	Meadowsweet	600.0 AAC	C151010	C011010
	Orchid	636.0 AAC	C151010	C011010
	Heuchera	650.0 AAC	C151010	C011010
no name (0.856-0.950 dia.)	545.0-657.3 AAAC	AB151010	AB011010	
Hawk	477.0 ACSR 26/7 Str.	A1510211	A0110211	

60 Ton Dies

HPS/Fargo-equivalent Dies; CD Index, Circumferential
(Continued)



BURNDY Die Catalog Number	Conductor Code Name	Conductor Size	Typical HPS/Fargo Connectors	
			UNI-GRIP® Splice	UNI-GRIP® Deadend
10CD60 (Continued)	Osprey	556.5 ACSR 18/1 Str.	A151023	A011023
	Parakeet	556.5 ACSR 24/7 Str.	A151024	A011024
	Dove	556.5 ACSR 26/7 Str.	A151025	A011025
	Swift	636.0 ACSR 36/1 Str.	A151030	A010030
	Kingbird	636.0 ACSR 18/1 Str.	A151031	A010031
11CD60	Verbena	700.0 AAC	C151111	C011111
	Flag	700.0 AAC	C151111	C011111
	Violet	715.5 AAC	C151111	C011111
	Nasturtium	715.5 AAC	C151111	C011111
	Petunia	750.0 AAC	C151111	C011111
	Cattail	750.0 AAC	C151111	C011111
	Arbutus	795.0 AAC	C151111	C011111
	Lilac	795.0 AAC	C151111	C011111
	Fuchsia	800.0 AAC	C151111	C011111
	Heliotope	800.0 AAC	C151111	C011111
	no name (0.940-1.036 dia.)	739.8-740.8 AAAC	AB151111	AB011111
	Hen	477.0 ACSR 30/7 Str.	A151122	A011122
	Eagle	556.5 ACSR 30/7 Str.	A151126	A011126
	Peacock	605.0 ACSR 24/7 Str.	A151127	A011127
	Squab	605.0 ACSR 26/7 Str.	A151128	A011128
	Rook	636.0 ACSR 24/7 Str.	A151132	A011132
	Grosbeak	636.0 ACSR 26/7 Str.	A151133	A011133
	Flamingo	666.6 ACSR 24/7 Str.	A151136	A011136
	Gannett	666.6 ACSR 26/7 Str.	A151137	A011137
	Stilt	715.5 ACSR 24/7 Str.	A151138	A011138
Coot	795.0 ACSR 36/1 Str.	A151141	A011141	
12CD60	Anemone	874.5 AAC	C151212	C011212
	Crocus	874.5 AAC	C151212	C011212
	Cockscomb	900.0 AAC	C151212	C011212
	Snapdragon	900.0 AAC	C151212	C011212
	Magnolia	954.0 AAC	C151212	C011212
	Goldenrod	954.0 AAC	C151212	C011212
	no name (1.026-1.131 dia.)	833.6-932.6 AAAC	AB151212	AB011212
	Teal	605.0 ACSR 30/19 Str.	A151229	A011229
	Egret	636.0 ACSR 30/19 Str.	A151234	A011234

60 Ton Dies

HPS/Fargo-equivalent Dies; CD Index, Circumferential
(Continued)



BURNDY Die Catalog Number	Conductor Code Name	Conductor Size	Typical HPS/Fargo Connectors	
			UNI-GRIP® Splice	UNI-GRIP® Deadend
12CD60 (continued)	Starling	715.5 ACSR 26/7 Str.	A151239	A011239
	Tern	795.0 ACSR 45/7 Str.	A151242	A011242
	Cuckoo	795.0 ACSR 24/7 Str.	A151243	A0112431
	Condor	795.0 ACSR 54/7 Str.	A1512441	A0112441
	Drake	795.0 ACSR 26/7 Str.	A1512451	A0112451
	Ruddy	900.0 ACSR 45/7	A151247	A011247
	Catbird	954.0 ACSR 36/1 Str.	A151249	A011249
13CD60	Hawkweed	1000.0 AAC 37 Str.	C151313	C011313
	Camelia	1000.0 AAC 61 Str.	C151313	C011313
	Bluebell	1033.5 AAC 37 Str.	C151313	C011313
	Larkspur	1033.5 AAC 61 Str.	C151313	C011313
	Marigold	1113.0 AAC 61 Str.	C151313	C011313
	no name (1.140-1.235 dia.)	1000.0-1127.0 AAAC	AB151313	AB011313
	Mallard	795.0 ACSR 30/19 Str.	A151346	A011346
	Canary	900.0 ACSR 54/7 Str.	A151348	A011348
	Rail	954.0 ACSR 45/7 Str.	A151350	A011350
	Cardinal	954.0 ACSR 54/7 Str.	A1513511	A011351
	Ortolan	1033.5 ACSR 45/7 Str.	A151353	A011353
14CD60	Hawthorn	1192.5 AAC 61 Str.	C151414	C011414
	Narcissus	1272.0 AAC 61 Str.	C151414	C011414
	no name (1.236-1.330 dia.)	1172.0-1300.0 AAAC	AB151414	AB011414
	Curlew	1033.5 ACSR 54/7 Str.	A151454	A011454
	Bluejay	1113.0 ACSR 45/7 Str.	A151455	A011455
	Finch	1113.0 ACSR 54/19 Str.	A151456	A011456
	Bunting	1192.5 ACSR 45/7 Str.	A151457	A011457
15CD60	Columbine	1351.5 AAC 61 Str.	AC151515	AC011515
	Carnation	1431.0 AAC 61 Str.	AC151515	AC011515
	Gladiolus	1510.5 AAC 61 Str.	AC151515	AC011515
	no name (1.331-1.425 dia.)	1361.0-1500.0 AAAC	AB151315	AB011515
	Grackle	1192.5 ACSR 54/19 Str.	A151558	A011558
	Bittern	1272.0 ACSR 45/7 Str.	A1515591	A0115591
	Pheasant	1272.0 ACSR 54/19 Str.	A151560	A011560
	Dipper	1351.5 ACSR 45/7 Str.	A151561	A011561
	Martin	1351.5 ACSR 54/19 Str.	A151562	A011562

60 Ton Dies

HPS/Fargo-equivalent Dies; CD Index, Circumferential
(Continued)



BURNDY Die Catalog Number	Conductor Code Name	Conductor Size	Typical HPS/Fargo Connectors	
			UNI-GRIP® Splice	UNI-GRIP® Deadend
16CD60	Coreopsis	1590.0 AAC 61 Str.	C151616	C011616
	Dogwood	1590.0 AAC 91 Str.	C151616	C011616
	no name (1.426-1.520 dia.)	1534.0-1703.0 AAAC	AB151616	AB011616
	Bobolink	1431.0 ACSR 45/7 Str.	A151663	A011663
	Lapwing	1590.0 ACSR 45/7 Str.	A151667	A011667
17CD60	Jessamine	1750.0 AAC 61 Str.	C151717	C011717
	Falcon	1590.0 ACSR 54/19 Str.	A1517681	A0117681
	Chukar	1780.0 ACSR 84/19 Str.	A151769	A011769
	Seahawk	1869.0 ACSR 68/7 Str.	A151770	A011717



Top: close up of marking on Fargo splice requiring 12CD die index.

Bottom: Fargo splice requiring 12CD die index.



60 Ton Dies

HPS/Fargo-equivalent Dies

SH Index, Hexagonal

AH Index, Hexagonal



Two Die Sets Required (sold separately)		Conductor Code Name	Conductor Size	Typical HPS/Fargo Connectors	
BURNDY Catalog # Aluminum Die	BURNDY Catalog # Steel Die			2-Die Splice	2-Die Deadend
75AH60	75SH60	Pigeon	3/0 ACSR 6/1 Str.	TJA7829	SEDA7829
76AH60	75SH60	Penguin	4/0 ACSR 6/1 Str.	TJA7929	SEDA7929
	74SH60	Waxwing	266.8 ACSR 18/1 Str.	TJA1102	SEDA1102
20AH60	74SH60	Merlin	336.4 ACSR 18/1 Str.	TJA1302	SEDA1302
	74SH60	Chickadee	397.5 ACSR 18/1 Str.	TJA1502	SEDA1502
	10SH60	Ostrich	300.0 26/7 Str.	TJA1209	SEDA1209
	10SH60	Linnet	336.4 ACSR 26/7 Str.	TJA1309	SEDA1309
	10SH60	Oriole	336.4 ACSR 30/7 Str.	TJA1313	SEDA1313
	10SH60	Brant	397.5 ACSR 24/7 Str.	TJA1508	SEDA1508
	10SH60	Ibis	397.5 ACSR 26/7 Str.	TJA1509	SEDA1509
	12SH60	Lark	397.5 ACSR 30/7 Str.	TJA1513	SEDA1513
24AH60	75SH60	Pelican	477.0 ACSR 18/1 Str.	TJA1802	SEDA1802
	75SH60	Osprey	556.5 ACSR 18/1 Str.	TJA2202	SEDA2202
	10SH60	Flicker	477.0 ACSR 24/7 Str.	TJA1808	SEDA1808
	10SH60	Parakeet	556.5 ACSR 24/7 Str.	TJA2208	SEDA2208
	12SH60	Hawk	477.0 ACSR 26/7 Str.	TJA1809	SEDA1809
	12SH60	Hen	477.0 ACSR 30/7 Str.	TJA1813	SEDA1813
	12SH60	Dove	556.5 ACSR 26/7 Str.	TJA2209	SEDA2209
27AH60	12SH60	Peacock	605.0 ACSR 24/7 Str.	TJA2408	SEDA2408
	12SH60	Squab	605.0 ACSR 26/2 Str.	TJA2409	SEDA2409
	12SH60	Rook	636.0 ACSR 24/7 Str.	TJA2508	SEDA2508
	12SH60	Grosbeak	636.0 ACSR 26/7 Str.	TJA2509	SEDA2509
	12SH60	Flamingo	666.6 ACSR 24/7 Str.	TJA2808	SEDA2808
	12SH60	Gannet	666.6 ACSR 26/7 Str.	TJA2809	SEDA2809
	14SH60	Eagle	556.5 ACSR 30/7 Str.	TJA2213	SEDA2213
	14SH60	Wood Duck	605.0 ACSR 30/7 Str.	TJA2413	SEDA2413
	14SH60	Teal	605.0 ACSR 30/19 Str.	TJA2417	SEDA2417
	14SH60	Scoter	636.0 ACSR 30/7 Str.	TJA2513	SEDA2513
	14SH60	Egret	636.0 ACSR 30/19 Str.	TJA2517	SEDA2517
30AH60	10SH60	Tern	795.0 ACSR 45/7 Str.	TJA3318	SEDA3318
	10SH60	Ruddy	900.0 ACSR 45/7 Str.	TJA3818	SEDA3818
	10SH60	Rail	954.0 ACSR 45/7 Str.	TJA4118	SEDA4118
	12SH60	Stilt	715.5 ACSR 24/7 Str.	TJA3008	SEDA3008
	12SH60	Cuckoo	795.0 ACSR 24/7 Str.	TJA3308	SEDA3308

60 Ton Dies

HPS/Fargo-equivalent Dies

SH Index, Hexagonal

AH Index, Hexagonal

(Continued)



Two Die Sets Required (sold separately)		Conductor Code Name	Conductor Size	Typical HPS/Fargo Connectors	
BURNDY Catalog # Aluminum Die	BURNDY Catalog # Steel Die			2-Die Splice	2-Die Deadend
30AH60 (Continued)	12SH60	Condor	795.0 ACSR 54/7 Str.	TJA3321	SEDA3321
	12SH60	Crane	874.5 ACSR 54/7 Str.	TJA3721	SEDA3721
	14SH60	Starling	715.5 ACSR 26/7 Str.	TJA3009	SEDA3009
	14SH60	Drake	795.0 ACSR 26/7 Str.	TJA3309	SEDA3309
	14SH60	Canary	900.0 ACSR 54/7 Str.	TJA3821	SEDA3821
	14SH60	Towhee	954.0 ACSR 48/7 Str.	TJA4119	SEDA4119
	14SH60	Cardinal	954.0 ACSR 54/7 Str.	TJA4121	SEDA4121
	16SH60	Redwing	715.5 ACSR 30/19 Str.	TJA3017	SEDA3017
	16SH60	Mallard	795.0 ACSR 30/19 Str.	TJA3317	SEDA3317
34AH60	10SH60	Ortolan	1033.5 ACSR 45/7 Str.	TJA4418	SEDA4418
	12SH60	Bluejay	1113.0 ACSR 45/7 Str.	TJA4718	SEDA4718
	12SH60	Bunting	1192.5 ACSR 45/7 Str.	TJA4918	SEDA4918
	14SH60	Curlew	1033.5 ACSR 54/7 Str.	TJA4421	SEDA4421
	14SH60	Finch	1113.0 ACSR 54/19 Str.	TJA4724	SEDA4724
36AH60	12SH60	Bittern	1272.0 ACSR 45/7 Str.	TJA5118	SEDA5118
	12SH60	Dipper	1351.5 ACSR 45/7 Str.	TJA5218	SEDA5218
	12SH60	Bobolink	1431.0 ACSR 45/7 Str.	TJA5418	SEDA5418
	14SH60	Grackle	1192.5 ACSR 54/19 Str.	TJA4924	SEDA4924
	16SH60	Pheasant	1272.0 ACSR 54/19 Str.	TJA5124	SEDA5124
38AH60	16SH60	Martin	1351.5 54/19 Str.	TJA5224	SEDA5224
	16SH60	Plover	1431.0 54/19 Str.	TJA5424	SEDA5424
	12SH60	Nuthatch	1510.5 45/7 Str.	TJA5618	SEDA5618
40AH60	16SH60	Parrot	1510.5 54/19 Str.	TJA5624	SEDA5624
	12SH60	Lapwing	1590.0 45/7 Str.	TJA5718	SEDA5718



Above: close up of marking on Fargo splice requiring 14SH die index.



Left: Fargo splice requiring 30AH die index.

12 Ton U Dies*

For 35 and 750 Tool Series;
46 Series with PUADP1 Adapter

* Non-tension U-type 12 ton dies for YA, YS, YA-A, YS-A style connectors

** Wide dies are intended for use on long barrel terminals and splices (YA/YS) only.

Die Sets sold separately; U Die Kits also available; see following page

Note: N/A = not applicable



U28RT Die Set

Wire Size	Copper	Copper Wide Die**	Aluminum
#8 AWG	U8CRT	U8CRTW	U8CABT
#6 AWG	U5CRT	U5CRTW	U6CABT
#4 AWG	U4CRT	U4CRTW	U4CABT
#3 AWG	U3CRT	U3CRTW	N/A
#2 AWG	U2CRT	U2CRTW	U2CABT
#1 AWG	U1CRT1	U1CRT1W	U1CART
1/0 AWG	U25RT	U25RTW	U25ART
2/0 AWG	U26RT	U26RTW	U26ART
3/0 AWG	U27RT	U27RTW	U27ART
4/0 AWG	U28RT	U28RTW	U28ART
250 kcmil	U29RT	N/A	U29ART
300 kcmil	U30RT		U30ART
350 kcmil	U31RT		U31ART
400 kcmil	U32RT		U32ART
500 kcmil	U34RT		U34ART
535 Flex	U38XRT		N/A
600 kcmil	U36RT		U36ART
750 kcmil	U39RT		U39ART2
777 Flex	U44XRT		N/A



U4CRTW Wide Die Set



CASEUDIES15 die box is available (sold separately) holding up to 15 "U" style (standard or wide) die sets; dies not included.

12 Ton U Die Kits

For 35 and 750 Tool Series;
46 Series with PUADP1 Adapter

UDIEKITCU and **UDIEKITAL** include 15 sets of "U" dies and die case. These stainless steel color coded dies are for crimping YA, YS, YA-A, and YS-A types of connectors, ranging from #6 AWG through 750 kcmil.

UDIEKITCUW includes 9 sets of wide stainless steel color coded dies for crimping long barrel YA and YS types of connectors up to 4/0 AWG. The wide dies require only one crimp compared to 2 for the standard width dies.

Note: N/A = not applicable

UDIEKITHYGRD



Wire Size	UDIEKITCU includes	UDIEKITCUW includes	UDIEKITAL includes
#8 AWG	N/A	U8CRTW	N/A
#6 AWG	U5CRT	U5CRTW	U6CABT
#4 AWG	U4CRT	U4CRTW	U4CABT
#2 AWG	U2CRT	U2CRTW	U2CABT
#1 AWG	U1CRT1	U1CRT1W	U1CART
1/0 AWG	U25RT	U25RTW	U25ART
2/0 AWG	U26RT	U26RTW	U26ART
3/0 AWG	U27RT	U27RTW	U27ART
4/0 AWG	U28RT	U28RTW	U28ART
250 kcmil	U29RT	N/A	U29ART
300 kcmil	U30RT		U30ART
350 kcmil	U31RT		U31ART
400 kcmil	U32RT		U32ART
500 kcmil	U34RT		U34ART
600 kcmil	U36RT		U36ART
750 kcmil	U39RT		U39ART2
Die Case	CASEUDIES15	CASEUDIES15	CASEUDIES15

UDIEKITHYGRD includes 8 dies sets. Seven die sets are used to install the BURNDY® HYGROUND® irreversible compression grounding connectors; the U2CABT die set is for pre-crimping 1/2", 5/8" and 3/4" ground rods for increased rotational resistance. The UDIEKITHYGRD also includes the **CASEUDIES8** die case.

UDIEKITHYGRD includes

UC, UO, U997, PU998, U1011, U1104, U1105, U2CABT (Ground rod pre-crimp die), and CASEUDIES8 die case

UM-Style Dies

For OEM840NCP up to 4/0;
35 and 750 Tool Series;
46 Series with PUADP1 Adapter

UM-style Nest and Indenter dies are specifically designed to work with the YAD lugs. The distinctive "M" crimping profile design straddles the brazed seam of the YAD-M and YAV-L series lugs to provide a consistent, long term, reliable connection. Accepts copper cable sizes from 8 AWG to 600 kcmil for DLO/ Flex cable.

CNC machined from stainless steel, these dies are compatible with all BURNDY® tooling that accepts a "U" die envelope.

Sold individually or in a kit (UMDIEKIT) which has select dies/indenters covering #8 to 4/0 AWG in a plastic die case.



Copper Wire Size	Catalog Number (Indenter Dies)	Catalog Number (Nest Dies)	Crimps Lug Series
8 AWG DLO	UMA	UM8CN	YAD-M*, YAV-L
6 AWG DLO	UMB	UM6CN	YAD-M*, YAV-L
4 AWG DLO	UMB	UM4CN	YAD-M*, YAV-L
2 AWG DLO	UMB	UM2CN	YAD-M*, YAV-L
1/0 AWG DLO	UMC	UM25N	YAD-M*, YAV-L*
2/0 AWG DLO	UMC	UM26N	YAD-M*, YAV-L*
3/0 AWG DLO	UMC	UM27N	YAD-M*, YAV-L*
4/0 AWG DLO	UMC	UM28N	YAD-M*, YAV-L*
300 kcmil DLO	UME	UM30N	YAD-M*
350 kcmil DLO	UME	UM31N	YAD-M*
450 kcmil DLO	UME	UM33N	YAD-M*
600 kcmil DLO	UME	UM36N	YAD-M*

* Not UL Listed



Close up of "M" Profile Crimp

UMDIEKIT Contents		
Catalog Number	Description	Quantity
UMA	Indenter #8 AWG	1
UMB	Indenter #6, #4, #2 AWG	1
UMC	Indenter 1/0-4/0	1
UM8CN	Nest #8 AWG	1
UM6CN	Nest #6 AWG	1
UM4CN	Nest #4 AWG	1
UM2CN	Nest #2 AWG	1
UM25N	Nest 1/0 AWG	1
UM26N	Nest 2/0 AWG	1
UM27N	Nest 3/0 AWG	1
UM28N	Nest 4/0 AWG	1
CASEUDIES15	UM Die Kit Case	1

W Dies

For MD/PATMD, 500, and 600 Tool Series

* These sizes (250 - 500) are not recommended for use with MD6 & MD7 Series tools due to high handle force.

** For PAT600 and Y500CTHS only.

*** Use of W249 will not produce a UL Listed connection.

Note: N/A = not applicable

Suitable for use on YA, YS, YA-A, YS-A type non-tension connectors.

Die Sets sold separately; W Die Kits also available; see following page



W25RT Die Set

Wire Size	Copper (-VT)	Copper (-RT)	Aluminum
#8 AWG	W8CVT	W8CRT	X8CART
#6 AWG	W5CVT	W5CRT	W161
#4 AWG	W4CVT	W4CRT	W162
#3 AWG	N/A	W3CRT	N/A
#2 AWG	W2CVT	W2CRT	W239
#1 AWG	W1CVT	W1CRT1	W163
1/0 AWG	W25VT	W25RT	W241
2/0 AWG	W26VT	W26RT	W245
3/0 AWG	W27VT	W27RT	W166
4/0 AWG	W28VT	W28RT	W660
250 kcmil	W29VT*	W29RT*	W249***
300 kcmil	W30VT*	W30RT*	N/A
350 kcmil	W31VT*	W31RT*	W31ART*
400 kcmil	W32VT*	W32RT*	N/A
450 kcmil	W33VT*	W33RT*	N/A
500 kcmil	W34VT*	W34RT*	N/A
600 kcmil	N/A	W36RT**	N/A

VT = "V" profile die for reduced handle force when using MD6/MD7 series tools; Twin die (includes both halves)
RT = Round die (circumferential); Twin die (includes both halves)



WDIETREE available (sold separately); holds up to 6 "W" style die sets (dies not included)



CASEWDIES die box available (sold separately); holds up to 12 "W" or "X" style die sets (dies not included)

W Die Kits

For MD/PATMD, 500, and 600 Tool Series

* These sizes (250 - 500) are not recommended for use with MD6 & MD7 Series tools due to high handle force.

** Use of W249 will not produce a UL Listed connection.

Note: N/A = not applicable

Suitable for use on YA, YS, YA-A, YS-A type non-tension connectors.



CASEWDIES
included with die kits;
also sold separately
(dies not included)

Wire Size	WDIEKITCU for Copper includes	WDIEKITAL for Aluminum includes
#8 AWG	W8CRT	X8CART
#6 AWG	W5CRT	W161
#4 AWG	W4CRT	W162
#2 AWG	W2CRT	W239
#1 AWG	W1CRT1	W163
1/0 AWG	W25RT	W241
2/0 AWG	W26RT	W245
3/0 AWG	W27RT	W166
4/0 AWG	W28RT	W660
250 kcmil	W29RT*	W249**
350 kcmil	W31RT*	W31ART*
500 kcmil	W34RT*	N/A
Die Case	CASEWDIES	CASEWDIES

PATRIOT® 11 Ton, Scissor Action
Copper and Aluminum up to 4.00" O.D.
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATCUT4

- Extra wide jaw opening
- Scissor action cutting jaws
- 355° head rotation
- Multi-position assist handle
- Includes 2 batteries, charger, lanyard, polymer carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries



For Use On:

Maximum Cutting Capacity:

Copper and Aluminum: up to 4.00" O.D.

Models:

PATCUT4CUALLI with 3.0Ah battery
PATCUT4L5 with 5.0Ah battery

Specifications:

Output Force:	11 Tons
Tool Weight:	20.3 lbs
Size:	24.31" X 3.26" X 15.33"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty (excludes blades) Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLI:	120V-AC Charger
PATCHGRLIDC:	12/24V-DC Charger
PT208620:	Tool Retention Lanyard

PATCUT4CUAL
with multi-position assist
handle



See Important Notes page at start of Tooling Section.

PATRIOT® 10 Ton, Latch Head

ACSR up to 2156 kcmil

Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATCUT2156

- 180° head rotation
- Durable hardened steel blades
- Specialized latch head for mid-span cuts
- Mechanical ram release with no power consumption
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Copper/Aluminum Cable: up to 2"

ACSR: up to 2156 kcmil

Ground Rod: up to 3/4"

Rebar: up to 5/8"

Soft Steel Bolts: up to 3/4"

Standard Guy: up to 9/16"

EHS Guy: up to 9/16"

Models:

PATCUT2156LI with 3.0Ah battery, hard case
PATCUT2156L5 with 5.0Ah battery, hard case

PATCUT2156LIPB with 3.0Ah battery, pro bag
PATCUT2156L5PB with 5.0Ah battery, pro bag



Specifications:

Output Force:	10 Tons
Tool Weight:	15.5 lbs
Size:	16.50" x 13.50" x 3.38"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty (excluding blades) Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLLI:	120V-AC Charger
PATCHGRLLIDC:	12/24V-DC Charger
PT208620:	Lanyard
CUT200BLMVBL:	Replacement Moving Blade
CUT200BLSTA:	Replacement Fixed (Stationary) Blade

See Important Notes page at start of Tooling Section.

PATRIOT® 7 Ton, Latch Head

Copper/Aluminum up to 1.29" O.D.

Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATCUT129

- 180° head rotation
- Overmolded handle and ergonomic design
- One-handed operation for advance, retract and hold
- Latch head design for interference free closure for mid-span cuts
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Copper/Aluminum Cable: up to 1.29"

ACSR: up to 1113 kcmil

Ground Rod: up to 5/8"

Rebar: up to 1/2"

Soft Steel Bolts: up to 5/8"

Standard Guy: up to 1/2"

EHS Guy Strand: up to 3/8"

Models:

PATCUT129LI with 3.0Ah battery, hard case
PATCUT129L5 with 5.0Ah battery, hard case

PATCUT129LIPB with 3.0Ah battery, pro bag
PATCUT129L5PB with 5.0Ah battery, pro bag



Specifications:

Output Force:	7 Tons
Tool Weight:	10.2 lbs
Size:	14.50" x 13.50" x 3.50"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty (excluding blades) Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLI:	120V-AC Charger
PATCHGRLIDC:	12/24V-DC Charger
PT208620:	Lanyard
PT10037388:	Replacement Moving Blade
PT10037384:	Replacement Fixed Blade

See Important Notes page at start of Tooling Section.

PATRIOT® 6 Ton, Latch Head

Copper/Aluminum up to 2.45" O.D.
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATCUT245

- 180° head rotation
- Cuts up to 2.45" diameter copper/aluminum cable
- Specialized latch style cutting head for interference-free closure for mid-span work
- Ergonomic design, overmolded handle
- Includes 2 batteries, charger, and carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Copper/Aluminum Cable: Up to 2.45" O.D.

For Copper and Aluminum cable only. Do not cut steel, ground rod, rebar or guy wire.

Models:

PATCUT245LI with 3.0Ah battery, hard case
PATCUT245L5 with 5.0Ah battery, hard case

PATCUT245LIPB with 3.0Ah battery, pro bag
PATCUT245L5PB with 5.0Ah battery, pro bag



Specifications:

Output Force:	6 Tons
Tool Weight:	13.7 lbs
Size:	18.13" x 13.50" x 3.50"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty (excluding blades) Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLLI:	120V-AC Charger
PATCHGRLLIDC:	12/24V-DC Charger
PT208620:	Lanyard
PT10038657:	Replacement Moving Blade
PT10040663:	Replacement Fixed Blade

See Important Notes page at start of Tooling Section.

PATRIOT® 6 Ton, Scissor Action

Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PAT500SJCUT

- Interchangeable scissor action crimping and cutting jaws
- 180° head rotation
- Uses W and X style dies with available crimping jaws
- Ergonomically balanced tool design
- Includes 2 batteries, charger, and polymer carrying case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries



For Use On:

Maximum Cutting Capacity:

ACSR:	556.5 kcmil (26/7 Dove)
AAC:	636 kcmil
Copper:	350 kcmil soft drawn copper

Models:

PAT500SJCUTLI	with 3.0Ah battery
PAT500SJCUTL5	with 5.0Ah battery

Interchangeable Jaw Assemblies:

PATMD6LWJAW	Crimp jaw with BG and D3 grooves
PATMD68LWJAW	Crimp jaw with O and D3 grooves
PATMD66LWJAW	Crimp jaw with D3 groove only
PATMDXPJLWJAW	Crimp jaw with X, P, & J grooves
**PATMD430LWJAW	**Crimp jaw, Dieless for #4-3/0 AWG
PATMDCUTLWJAW	Cutting jaw with ACSR blades
PATMDCUTCLWJAW	Cutting jaw with CU/AL blades
PATMDCUTGLWJAW	Cutting jaw with GUY blades

**Dieless Jaw only for use on #4-3/0 AWG BURNDY® Overhead Distribution Families: YDS-RL, YDSR-RL, YDS-RLY, YDR-RL, YDRR-RL, YCS-RL, YCA-RL and YSS-R

Specifications:

Output Force:	6 Tons
Tool Weight:	11.5 lbs
Size:	17.00" X 14.25" X 3.00"
Die Style:	W and X (with crimping jaws)
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes (3.0Ah) 45 minutes (5.0Ah)
Warranty:	5 year limited warranty Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	3.0Ah Li-Ion battery
BAT18V5AHLI:	5.0Ah Li-Ion battery
PATCHGRLL:	120V-AC Charger
PATCHGRLLDC:	12/24V-DC Charger
PATMD6LWJWCVR:	Jaw covers for PATMD6 and PATMD68 versions
PATMD66LWJWCVR:	Jaw covers for PATMD66 snub-nose versions
PT10074020:	Wrist strap
W28K:	Cutter Dies (cuts 4-4/0 Cu, Al, ACSR)
WDIETREE:	W-die holder for 6 die sets

Crimp/Cut Kits:

PAT500SJ6LICUTKIT1	Kit includes crimp head with BG & D3 grooves, cutter jaw with ACSR blades, 120V charger and 2 batteries (3.0Ah)
PAT500SJ68LICUTKIT1	Kit includes crimp head with O & D3 grooves, cutter jaw with ACSR blades, 120V charger and 2 batteries (3.0Ah)

See Important Notes page at start of Tooling Section.

PATRIOT® IN-LINE® 6 Ton, Scissor Action
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATMDCUTLW

- Light weight, compact and ergonomic design
- Interchangeable scissor action crimping and cutting jaws
- Safety trigger lock and locking jaw tabs
- LED Worklight
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

Cutting Capacities	ACSR (26/7)	Aluminum (AAC)	Copper (soft drawn)	Guy Wire (EHS)
ACSR Blade	556.5 kcmil	636 kcmil	350 kcmil	-
CU/AL Blade	-	636 kcmil	600 kcmil	-
GUY Blade	-	-	-	3/8"

Models:

- PATMDCUTLW: ACSR Cutting Jaw, 3.0Ah batteries, AC charger
 PATMDCUTLW5: ACSR Cutting Jaw, 5.0Ah batteries, AC charger
 PATMDCUTCLW: CU/AL Cutting Jaw, 3.0Ah batteries, AC charger
 PATMDCUTCLW5: CU/AL Cutting Jaw, 5.0Ah batteries, AC charger
 PATMD60003A1: GUY Cutting Jaw, 3.0Ah batteries, AC charger
 PATMD60005A1: GUY Cutting Jaw, 5.0Ah batteries, AC charger

Standard Crimp/Cut Kits are available supplied with both crimping and cutting jaws. (See separate pages in Crimpers Section.)

Customize a tool kit with up to 3 jaws and optional accessories.

Contact Customer Service at 1-800-346-4175.

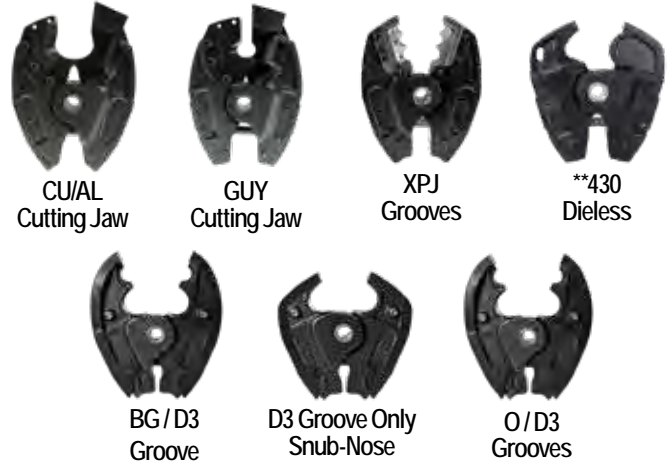
Interchangeable Jaw Assemblies:

- PATMD6LWJAW Crimp jaw with BG and D3 grooves
 PATMD68LWJAW Crimp jaw with O and D3 grooves
 PATMD66LWJAW Crimp jaw with D3 groove only
 PATMDXPJLWJAW Crimp jaw with X, P & J grooves
 PATMD430LWJAW Crimp jaw, Dieless, #4 AWG - 3/0 AWG
 PATMDCUTLWJAW Cutting jaw with ACSR blades
 PATMDCUTCLWJAW Cutting jaw with CU/AL blades
 PATMDCUTGLWJAW Cutting jaw with GUY blades

Shown with ACSR Cutting Jaw



Interchangeable Jaws



Specifications:

- Output Force: 6 Tons
 Tool Weight: 7.2 lbs
 Length: 19.25"
 Operating Voltage: 18 V-DC Lithium-Ion
 Recharge Time:
 3.0Ah 30 minutes
 5.0Ah 45 minutes
 Warranty: 5 year limited warranty
 Lifetime warranty on INFINITY DRIVE®
 3 years on batteries and charger

Accessories:

- PATMDCUTACSRKIT: ACSR Replacement Blades (2 per kit)
 PATMDCUTCUALKIT: CU/AL Replacement Blades (2 per kit)
 PATMDCUTGUYKIT: GUY Replacement Blades (2 per kit)
 BAT18VLI: Hi-capacity LI Makita battery (3.0Ah)
 BAT18V5AHLI: Hi-capacity LI Makita battery (5.0Ah)
 PATCHGRLI: 120V-AC Makita charger
 PATCHGRLIDC: 12/24V-DC Makita charger
 W28K: Cutter Dies (cuts 4-4/0 CU, AL, ACSR)
 WDIETREE: W-die holder for 6 die sets
 CASEWDIES: W-die case holder for 12 die sets
 TOOLBAGMDLI: Tool bag (included with tool)

See Important Notes page at start of Tooling Section.

PATRIOT® 6 Ton, Scissor Action

Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATMD-LW ACSR Kits

- Light weight, compact and ergonomic design
- Interchangeable scissor action crimping and cutting jaws
- Safety trigger lock and locking jaw tabs
- LED Worklight
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

Crimp Capacity		
Connector Type	Conductor Type	Range
Terminals & Splices	Copper	#8 AWG - 500 kcmil
Terminals & Splices	Flex Copper	#8 AWG - 350 kcmil
Terminals & Splices	Aluminum (AAC)	#8 AWG - 350 kcmil
Full-Tension	ACSR	#10 - 4/0 AWG
Taps	Copper	#10 - 2/0 AWG
Taps	AAC or ACSR	#14 - 4/0 AWG
Stirrups	ACSR	#6 - 4/0 AWG

ACSR Blade Cutting Capacity	
Conductor Type	Maximum Size
ACSR (26/7)	556.5 kcmil
Aluminum (AAC)	636 kcmil
Copper	350 kcmil

Models*: all listed include AC Charger

PATMD6LWWCJ: BG & D3, ACSR Cutter, 3.0Ah batteries
 PATMD68LWWCJ: O & D3, ACSR Cutter, 3.0Ah batteries
 PATMD66LWWCJ: D3 only, ACSR Cutter, 3.0Ah batteries

PATMD6LW5WCJ: BG & D3, ACSR Cutter, 5.0Ah batteries
 PATMD68LW5WCJ: O & D3, ACSR Cutter, 5.0Ah batteries
 PATMD66LW5WCJ: D3 only, ACSR Cutter, 5.0Ah batteries

*Add DC suffix to catalog numbers for DC charger in place of AC charger.

Interchangeable Jaw Assemblies:

PATMD6LWJAW Crimp jaw with BG and D3 grooves
 PATMD68LWJAW Crimp jaw with O and D3 grooves
 PATMD66LWJAW Crimp jaw with D3 groove only
 PATMDCUTLWJAW Cutting jaw with ACSR blades



Specifications:

Output Force: 6 Tons
 Tool Weight: 6.7 lbs (crimper) & 7.2 lbs (cutter)
 Length:
 PATMD6LW 18.73"
 PATMD68LW 18.73"
 PATMD66LW 17.85"
 PATMDCUTLW 19.25"
 Die Style: W and X (with crimping jaws)
 Operating Voltage: 18 V-DC Lithium-Ion
 Recharge Time:
 3.0Ah 30 minutes
 5.0Ah 45 minutes
 Warranty: 5 year limited warranty
 Lifetime warranty on INFINITY DRIVE®
 3 years on batteries and charger

Accessories:

PATMDCUTACSRKIT: ACSR Replacement Blades (2 per kit)
 BAT18VLI: Hi-capacity LI Makita battery (3.0Ah)
 BAT18V5AHLI: Hi-capacity LI Makita battery (5.0Ah)
 PATCHGRLI: 120V-AC Makita charger
 PATCHGRLIDC: 12/24V-DC Makita charger
 W28K: Cutter Dies (cuts 4-4/0 CU, AL, ACSR)
 WDIETREE: W-die holder for 6 die sets
 CASEWDIES: W-die case holder for 12 die sets
 TOOLBAGMDLI: Tool bag (included with tool)

See Important Notes page at start of Tooling Section.

PATRIOT® IN-LINE® 6 Ton, Scissor Action
Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATMD-LW CU/AL Kits

- Light weight, compact and ergonomic design
- Interchangeable scissor action crimping and cutting jaws
- Safety trigger lock and locking jaw tabs
- LED Worklight
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

Crimp Capacity		
Connector Type	Conductor Type	Range
Terminals & Splices	Copper	#8 AWG - 500 kcmil
Terminals & Splices	Flex Copper	#8 AWG - 350 kcmil
Terminals & Splices	Aluminum (AAC)	#8 AWG - 350 kcmil
Full-Tension	ACSR	#10 - 4/0 AWG
Taps	Copper	#10 - 2/0 AWG
Taps	AAC or ACSR	#14 - 4/0 AWG
Stirrups	ACSR	#6 - 4/0 AWG

CU/AL Blade Cutting Capacity	
Conductor Type	Maximum Size
Copper - Soft Drawn	600 kcmil
Aluminum (AAC)	636 kcmil

Models*: all listed include AC Charger

- PATMD6LWWCCJ: BG & D3, CU/AL Cutter, 3.0Ah batteries
 PATMD68LWWCCJ: O & D3, CU/AL Cutter, 3.0Ah batteries
 PATMD66LWWCCJ: D3 only, CU/AL Cutter, 3.0Ah batteries
- PATMD6LW5WCCJ: BG & D3, CU/AL Cutter, 5.0Ah batteries
 PATMD68LW5WCCJ: O & D3, CU/AL Cutter, 5.0Ah batteries
 PATMD66LW5WCCJ: D3 only, CU/AL Cutter, 5.0Ah batteries

*Add DC suffix to catalog numbers for DC charger in place of AC charger.

Interchangeable Jaw Assemblies:

- PATMD6LWJAW Crimp jaw with BG and D3 grooves
 PATMD68LWJAW Crimp jaw with O and D3 grooves
 PATMD66LWJAW Crimp jaw with D3 groove only
 PATMDCUTCLWJAW Cutting jaw with CU/AL blades



Specifications:

- Output Force: 6 Tons
 Tool Weight: 6.7 lbs (crimper) & 7.2 lbs (cutter)
 Length:
 PATMD6LW 18.73"
 PATMD68LW 18.73"
 PATMD66LW 17.85"
 PATMDCUTCLW 19.25"
 Die Style: W and X (with crimping jaws)
 Operating Voltage: 18 V-DC Lithium-Ion
 Recharge Time:
 3.0Ah 30 minutes
 5.0Ah 45 minutes
 Warranty: 5 year limited warranty
 Lifetime warranty on INFINITY DRIVE®
 3 years on batteries and charger

Accessories:

- PATMDCUTCUALKIT: CU/AL Replacement Blades (2 per kit)
 BAT18VL: Hi-capacity LI Makita battery (3.0Ah)
 BAT18V5AHLI: Hi-capacity LI Makita battery (5.0Ah)
 PATCHGRLL: 120V-AC Makita charger
 PATCHGRLLDC: 12/24V-DC Makita charger
 W28K: Cutter Dies (cuts 4-4/0 CU, AL, ACSR)
 WDIETREE: W-die holder for 6 die sets
 CASEWDIES: W-die case holder for 12 die sets
 TOOLBAGMDLI: Tool bag (included with tool)

See Important Notes page at start of Tooling Section.

PATRIOT® 6 Ton, Scissor Action

Hydraulic Self-Contained, 18V Lithium-Ion

Tool Series: PATMD-LW GUY Kits

- Light weight, compact and ergonomic design
- Interchangeable scissor action crimping and cutting jaws
- Safety trigger lock and locking jaw tabs
- LED Worklight
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

Crimp Capacity		
Connector Type	Conductor Type	Range
Terminals & Splices	Copper	#8 AWG - 500 kcmil
Terminals & Splices	Flex Copper	#8 AWG - 350 kcmil
Terminals & Splices	Aluminum (AAC)	#8 AWG - 350 kcmil
Full-Tension	ACSR	#10 - 4/0 AWG
Taps	Copper	#10 - 2/0 AWG
Taps	AAC or ACSR	#14 - 4/0 AWG
Stirrups	ACSR	#6 - 4/0 AWG

GUY Blade Cutting Capacity	
Conductor Type	Maximum Size
Guy Wire (EHS)	3/8"

Models*: all listed include AC Charger

PATMD16003A1: BG & D3, GUY Cutter, 3.0Ah batteries
 PATMD36003A1: O & D3, GUY Cutter, 3.0Ah batteries
 PATMD26003A1: D3 only, GUY Cutter, 3.0Ah batteries

PATMD16005A1: BG & D3, GUY Cutter, 5.0Ah batteries
 PATMD36005A1: O & D3, GUY Cutter, 5.0Ah batteries
 PATMD26005A1: D3 only, GUY Cutter, 5.0Ah batteries

*Change A to D in catalog numbers for DC charger in place of AC charger.

Interchangeable Jaw Assemblies:

PATMD6LWJAW Crimp jaw with BG and D3 grooves
 PATMD68LWJAW Crimp jaw with O and D3 grooves
 PATMD66LWJAW Crimp jaw with D3 groove only
 PATMDCUTGLWJAW Cutting jaw with GUY blades



Specifications:

Output Force: 6 Tons
 Tool Weight: 6.7 lbs (crimper) & 7.2 lbs (cutter)
 Length:
 PATMD6LW 18.73"
 PATMD68LW 18.73"
 PATMD66LW 17.85"
 PATMD60003A1 19.25"
 Die Style: W and X (with crimping jaws)
 Operating Voltage: 18 V-DC Lithium-Ion
 Recharge Time:
 3.0Ah 30 minutes
 5.0Ah 45 minutes
 Warranty: 5 year limited warranty
 Lifetime warranty on INFINITY DRIVE®
 3 years on batteries and charger

Accessories:

PATMDCUTGUYKIT: GUY Replacement Blades (2 per kit)
 BAT18VLI: Hi-capacity LI Makita battery (3.0Ah)
 BAT18V5AHLI: Hi-capacity LI Makita battery (5.0Ah)
 PATCHGRLI: 120V-AC Makita charger
 PATCHGRLIDC: 12/24V-DC Makita charger
 W28K: Cutter Dies (cuts 4-4/0 CU, AL, ACSR)
 WDIETREE: W-die holder for 6 die sets
 CASEWDIES: W-die case holder for 12 die sets
 TOOLBAGMDLI: Tool bag (included with tool)

See Important Notes page at start of Tooling Section.

PATRIOT® 7.7 Ton, C-Head

Live Line, Hot Stick Cable Cutter

Hydraulic Self-Contained, 18V Lithium-Ion



Tool Series: PATCUT954HS

- New C-Head design
- Durable cutting blades
- Assist handle to aid maneuvering the cutting head
- Pistol-style grip
- ASTM F711 Rated Pole for live line use
- Offered in two lengths: 94" and 82"
- Includes 2 batteries, charger, and case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Maximum Cutting Capacity:

ACSR: up to 954 kcmil

Aluminum (AAC): up to 795 kcmil

Copper (soft drawn): up to 795 kcmil

Models:

PATCUT954HS82LI 82" pole, 3.0Ah 18V LI, AC charger
PATCUT954HS82L5 82" pole, 5.0Ah 18V LI, AC charger
PATCUT954HS82LCB 82" pole, no batteries or charger

PATCUT954HS94LI 94" pole, 3.0Ah 18V LI, AC charger
PATCUT954HS94L5 94" pole, 5.0Ah 18V LI, AC charger
PATCUT954HS94LCB 94" pole, no batteries or charger

Specifications:

Output Force:	7.7 Tons
Tool Weight:	19 lbs
Size:	95.5" x 16.7" x 3.5"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	
3.0Ah	30 minutes
5.0Ah	45 minutes
Warranty:	5 year limited warranty (excluding blades) Lifetime warranty on INFINITY DRIVE® 3 years on batteries and charger

Accessories:

BAT18VLI:	Hi-capacity LI Makita battery (3.0Ah)
BAT18V5AHLI:	Hi-capacity LI Makita battery (5.0Ah)
PATCHGRLLI:	120V-AC Makita charger
PATCHGRLLDC:	12/24V-DC Makita charger
BLMVBLL954KIT:	Replacement Moving Blade with hardware
BLFIXED954KIT:	Replacement Fixed Blade with hardware



See Important Notes page at start of Tooling Section.

PATRIOT® IN-LINE® Angle Pole Cutter/Crimper

Hydraulic Self-Contained, 18V Lithium-Ion, 82"

Tool Series: PATMDCUT82ALLIF

- Adjustable Angular Head
- ASTM F711 Rated Pole for live line use
- Rocker trigger design for controlled actuation of the tool
- Safety lock to prevent accidental operation
- Includes 2 batteries and charger
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Maximum Cutting Capacity:

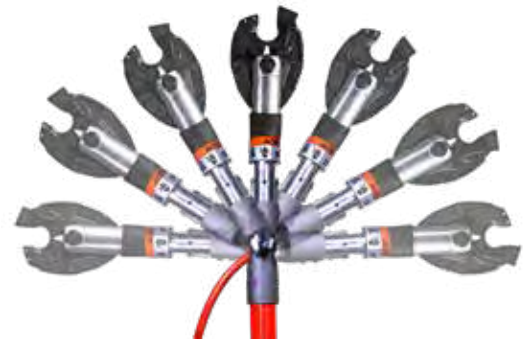
ACSR (26/7):	556.5 kcmil
Aluminum (AAC):	up to 636 kcmil
Copper (soft drawn):	up to 350 kcmil

Models:

PATMDCUT82ALLIF	Cutter jaw; 82" F711 Pole
PATMD682ALLIF	Crimp Jaws (BG & D3); 82" F711 Pole
PATMD6882ALLIF	Crimp Jaws (O & D3); 82" F711 Pole
PATMD6682ALLIF	Crimp Jaws (D3 only); 82" F711 Pole

Kits with Tool, Crimping and Cutting Jaws, Pole:

PATMD682ALLIFWCJ	Kit includes crimp head with BG & D3 grooves, cutter jaw, 120V charger and 2 batteries
PATMD6882ALLIFWCJ	Kit includes crimp head with O & D3 grooves, cutter jaw, 120V charger and 2 batteries
PATMD6682ALLIFWCJ	Kit includes crimp head with D3 groove, cutter jaw, 120V charger and 2 batteries



Specifications:

Output Force:	6 Tons
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	30 minutes
Warranty:	5 year limited warranty (excludes blades and pole) Lifetime warranty on INFINITY DRIVE® 3 year on batteries and charger

Accessories:

BAT18VLI:	Hi-capacity LI battery (3.0 AH)
PATCHGRLI:	120V-AC Charger
PATCHGRLIDC:	12/24V-DC Charger
WDIETREE:	W-die holder for 6 die sets

Interchangeable Jaw Assemblies:

PATMD6LWJAW	Crimp jaw with BG and D3 grooves
PATMD68LWJAW	Crimp jaw with O and D3 grooves
PATMD66LWJAW	Crimp jaw with D3 groove only
PATMDCUTLWJAW	Cutting jaw with ACSR blades
PATMDCUTCLWJAW	Cutting jaw with CU/AL blades
PATMDCUTGLWJAW	Cutting jaw with GUY blades

See Important Notes page at start of Tooling Section.

**PATRIOT® Battery Actuated
Cable Cutter for Copper & Aluminum**
Mechanically Driven, 18V Lithium-Ion

Tool Series: PATCUT1500

- Variable speed trigger
- Forward/Reverse switch features a locking position
- Large, strategically placed, non-skid bumper
- LED Worklight
- Large, new cutting blade design
- Includes 1 battery, charger, and case
- **EP Enhanced Power** — tools accept 2.0, 3.0, 4.0, 5.0, and 6.0Ah Makita batteries

For Use On:

Aluminum: up to 1500 kcmil

Copper Flex: up to 1250 kcmil

Copper (soft drawn): up to 1000 kcmil

Copper (hard drawn): up to 750 kcmil

Do Not Cut Steel or ACSR

Models:

PATCUT1500LI with 3.0Ah Li-Ion battery, hard case
PATCUT1500L5 with 5.0Ah Li-Ion battery, hard case

PATCUT1500LIPB with 3.0Ah Li-Ion battery, pro bag
PATCUT1500L5PB with 5.0Ah Li-Ion battery, pro bag



Specifications:

Tool Weight:	8.1 lbs with battery
Size:	15.5" x 6.0" x 4.38"
Operating Voltage:	18 V-DC Lithium-Ion
Recharge Time:	
3.0Ah	30 minutes
5.0Ah	45 minutes
Warranty:	3 year limited warranty (excluding blades) 3 years on battery and charger

Accessories:

BAT18VLI:	Hi-capacity LI Makita battery (3.0Ah)
BAT18V5AHLI:	Hi-capacity LI Makita battery (5.0Ah)
PATCHGRLI:	120V-AC Makita charger
PATCHGRLIDC:	12/24V-DC Makita charger
CASEPATCUT1500:	Polymer carrying case
PT208620:	Lanyard

See Important Notes page at start of Tooling Section.

Hand Operated, Latch Head

Hydraulic Self-Contained Hand Operated

Tool: YCUT129ACSR

- Rapid advance pump
- Handle trigger drain
- Interference free closure on mid-span cuts
- 180° head rotation

For Use On:

Copper/Aluminum Cable: up to 1.29"

ACSR: up to 1113 kcmil

Ground Rod: up to 5/8"

Rebar: up to 1/2"

Soft Steel Bolts: up to 5/8"

Standard Guy: up to 1/2"

EHS Guy Strand: up to 3/8"



Specifications:

Output Force:	7 Tons
Weight:	11.4 lbs
Size:	22.50" x 6.63" x 2.50"
Warranty:	5 year limited warranty (excluding blades)

Accessories:

PT10024162:	Carrying Case (included with tool)
PT10037388:	Moving Blade
PT10037384:	Fixed Blade



PT10024162 Hard Polymer Case for YCUT129ACSR

Remote Operated, Scissor Action
Cuts up to 4.00" Copper/Aluminum Cable

Tool: RHCC4CUAL

- Specialized scissor head design for interference free closure for mid-span cuts
- High strength hardened steel cutting blades
- 360° swivel hose fitting
- Stainless Steel lifting assist eyebolt
- Light weight ergonomic design



For Use On:

Copper/Aluminum Cable: up to 4.00"



*BAGCNVS5X9X24 Canvas Bag available separately
(included with tool)*

Specifications:

Operating Pressure:	10,000 PSI
Weight:	19.9 lbs
Size:	21.29" x 9.13" x 5.15"
Warranty:	5 year limited warranty (excluding blades)

Accessories:

BAGCNVS5X9X24:	Canvas Bag (included with tool)
RHCC4CUALBLD:	Cutting Blade (one blade; 2 required)
RHCC4CUALGDEBLD:	Blade Guide

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

Remote Operated, Latch Head Cuts up to 2156 kcmil ACSR

Tool Series: RHCC2156ACSR

- 180° head rotation
- Durable hardened, precision steel blades
- Specialized latch head for mid-span cuts
- Durable canvas carrying bag stores tool and accessories

For Use On:

Copper/Aluminum Cable:	up to 2"
ACSR:	up to 2156 kcmil
Ground Rod:	up to 3/4"
Rebar:	up to 5/8"
Soft Steel Bolts:	up to 3/4"
Standard Guy:	up to 9/16"
EHS Guy Strand:	up to 9/16"

Models:

RHCC2156ACSR	Standard RHCC2156ACSR remote cutter
RHCC2156ACSRF	RHCC2156ACSR tool with female coupler



Specifications:

Operating Pressure:	10,000 PSI
Weight:	10 lbs
Size:	13.17" x 4.13" x 2.69"
Warranty:	5 year limited warranty (excluding blades)

Accessories:

PT10054094:	Red Nylon Carry Bag (included with tool)
CUT200BLMVBL:	Replacement Moving Blade
CUT200BLSTA:	Replacement Fixed (Stationary) Blade

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*



*PT10054094 Red Nylon Carry Bag available separately
(included with tool)*

Remote Operated, Latch Head

Cuts up to 1.29" Copper/Aluminum Cable

Tool: RHCC129ACSR

- Interference free closure for mid-span cuts
- Precision cutting blades for clean cuts
- High strength steel cylinder
- Light weight, ergonomic design
- Durable canvas carrying bag stores tool and accessories

For Use On:

Copper/Aluminum Cable: up to 1.29"

ACSR: up to 1113 kcmil

Ground Rod: up to 5/8"

Rebar: up to 1/2"

Soft Steel Bolts: up to 5/8"

Standard Guy: up to 1/2"

EHS Guy Strand: up to 3/8"



Specifications:

Operating Pressure:	10,000 PSI
Weight:	6.2 lbs
Size:	11.41" x 3.65" x 2.33"
Warranty:	5 year limited warranty (excluding blades)

Accessories:

PT10043890:	Canvas Bag (included with tool)
PT10037388:	Moving Blade
PT10037384:	Fixed Blade

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*



*PT10043890 Canvas Bag available separately
(included with tool)*

Remote Operated, Latch Head

Cuts up to 2.45" Copper/Aluminum Cable

Tool: RHCC245CUAL

- Interference free closure for mid-span cuts
- Precision cutting blades for clean cuts
- Light weight ergonomic design
- Durable canvas carrying bag stores tool and accessories

For Use On:

Copper/Aluminum Cable: up to 2.45"



*PT10054094 Red Nylon Carry Bag available separately
(included with tool)*

Specifications:

Operating Pressure:	10,000 PSI
Weight:	8.4 lbs
Size:	14.80" x 4.74" x 2.45"
Warranty:	5 year limited warranty (excluding blades)

Accessories:

PT10054094:	Red Nylon Carry Bag (included with tool)
PT10038657:	Moving Blade
PT10040663:	Fixed Blade

*See Hydraulic Pumps and Hydraulic Hoses;
Pump Accessories
for other necessary equipment.*

Hand-held Stripper/Cutter Tools

For Cable Ties and #22 to #10 AWG

Tool: Y101300C (*Cuts Cable Ties & Wire*)
Y101400SC (*Strips & Cuts Wire*)

- Patented guide allows the blades to slide behind ties/wires without nicking others in a bundle
- Strips insulation accurately and consistently (Y101400SC)
- Ergonomic handles reduce user fatigue
- Scissor action with auto spring and lock improves usability
- Alloy steel blades are heat treated for long life

For Use On:

Y101300C for Cutting Cable Ties & Wire

All 18 - 250 lb Cable Ties

#22 - 10 AWG Copper & Aluminum Wire

Y101400SC for Stripping and Cutting Wire

#22 - 10 AWG Insulated and Bare Copper & Aluminum Wire



Specifications: (Y101300C)

Size: 6.63" x 2.34" x 1.63"
Weight: 0.30 lbs
Warranty: 5 year limited warranty



Specifications: (Y101400SC)

Size: 6.63" x 2.34" x 1.63"
Weight: 0.30 lbs
Warranty: 5 year limited warranty

Manual Cable Cutters For Copper/Aluminum Cable

Tool Series: MCC

- Rugged, high quality steel cutting blades
- Fiberglass handles with soft grips
- Excellent cutting edge performance
- Minimum of cable distortion

For Use On and Models:

MCC600 Copper & Aluminum up to 600 kcmil
21" overall length
1.31" max. insulation diameter
3.5 lbs

MCC1000 Copper & Aluminum up to 1000 kcmil
32" overall length
1.90" max. insulation diameter
9.0 lbs



Specifications (MCC600):

Weight:	3.5 lbs
Size:	21.00 x 5.00" x 2.00"
Max. Insulation Dia.:	1.31"
Warranty:	1 year limited warranty (excluding blades)

Accessories:

MCC600BLADESET:	Replacement blades for MCC600
MCC1000BLADESET:	Replacement blades for MCC1000

Ratchet Cable Cutters
For Copper/Aluminum Cable

Tool Series: RCC Cu/Al

- Rugged, high quality steel cutting blades
- Excellent cutting edge performance
- Minimal cable distortion

For Use On and Models:

RCC600E: Copper & Aluminum 600 kcmil
10.50" overall length
1.05" max. insulation diameter
1.2 lbs

RCC750HD: Copper & Aluminum 750 kcmil
10.35" overall length
1.62" max. insulation diameter
2.6 lbs

RCC1000: Copper & Aluminum 1000 kcmil
20.00" overall length
2.38" max. insulation diameter
4.5 lbs



RCC600E

Specifications (RCC600E):

Weight:	1.2 lbs
Length:	10.50" x 3.50" x 1.25"
Max. Insulation Dia.:	1.05"
Warranty:	1 year limited warranty (excluding blades)

Accessories:

RPC701302:	Fixed Replacement Blade for RCC1000
RPC701402:	Moveable Replacement Blade for RCC1000

Ratchet Cable Cutters

For ACSR, Copper/Aluminum Cable

Tool Series: RCC Cu/Al/ACSR

- Quick release, bi-directional ratchet mechanism
- Rapid blade advance
- Easy cutting with minimal cable distortion

For Use On and Models:

RCC954ACSR1K: Copper 1000 kcmil;
Aluminum 1000 kcmil;
ACSR 954 kcmil
22.75" overall length
1.38" max. insulation diameter
6.5 lbs

RCC556: Copper 500 kcmil;
Aluminum 500 kcmil;
ACSR 556.5 kcmil
21.00" overall length
1.25" max. insulation diameter
4.0 lbs

RCC336: Copper 350 kcmil;
Aluminum 500 kcmil;
ACSR 336 kcmil
10.5" overall length
0.74" max. insulation diameter
1.2 lbs



RCC954ACSR1K

Specifications (RCC954ACSR1K):

Weight:	6.5 lbs
Size:	22.75" x 7.00" x 1.88"
Max. Insulation Dia.:	1.38"
Warranty:	1 year limited warranty (excluding blades)

Accessories:

RPC705501:	Fixed Replacement Blade for RCC556
RPC705601:	Moveable Replacement Blade for RCC556
RPC902101:	Fixed Replacement Blade for RCC336
RPC902201:	Moveable Replacement Blade for RCC336

Ratchet Wire Rope Cutters
For Mild and Stainless Steel

Tool Series: RWRC

- Hardened steel blades
- Rapid blade advance
- Reduced handle force compared to scissor or compound action designs

For Use On and Models:

RWRC916: Mild Steel: 9/16" diameter
Stainless Steel: 1/2" diameter
20" overall length
9/16" diameter
4.4 lbs

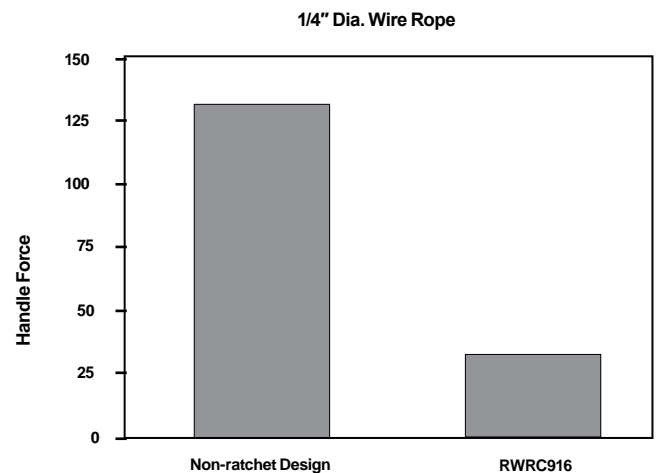
RWRC516: Mild Steel: 5/16" diameter
Stainless Steel: 1/4" diameter
10" overall length
5/16" diameter
1.2 lbs



RWRC916

Specifications (RWRC916):

Weight:	4.4 lbs
Size:	20.00" x 9.00" x 2.00"
Mild Steel Dia.:	9/16"
Stainless Steel Dia.:	1/2"
Warranty:	2 year limited warranty (excluding blades)



Electric Hydraulic Pump, 10,000 PSI Light Weight, Space Saving Design

Pump Series: Y10AC9

- Easy to carry and transport
- Factory set relief valve
- 100,000+ life cycles
- Sealed electric pendant switch with 10-foot cord

For Use With:

Y10AC9: 10,000 PSI electric pump
Used with: Y34BH, Y35BH, Y35BH4, Y750BHXT,
Y750CBHXT, Y45, Y46LWSBH,
Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH,
Y81KFTMBH, RHCC Series Cutters



Models:

Y10AC9 Electric hydraulic pump
Y10AC9OEM Electric hydraulic pump with foot switch; pump features "Jog & Hold"

Examples of some of the remote crimping and cutting heads for use with Y10AC9 pump



Specifications:

Weight:	28.0 lbs (including oil)
Motor:	115V-AC 50/60 Hz 5/8 HP, 10,000 RPM
Height:	14.38"
Base:	8.25" x 6.50"
Max. Current Draw:	11 amp
Reservoir Volume:	1.61 quarts
Warranty:	5 year limited warranty

Accessories:

YACCASE: Steel carrying case with handle and locking latch
YACFC: Foot control switch

See Hydraulic Hoses; Pump Accessories for Hose options

Electric Hydraulic Pump, 10,000 PSI
Light Weight, Long Service Life

Pump: EPP10

- Lightweight, small size
- 100,000+ life cycles
- Durable remote pendant switch

For Use With:

EPP10: 10,000 PSI electric pump
Used with: Y34BH, Y35BH, Y35BH4, Y750BHXT,
Y750CBHXT, Y45, Y46LWSBH,
Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH,
Y81KFTMBH, RHCC Series Cutters



Examples of some of the remote crimping and cutting heads for use with EPP10 pump



RHCC245CUAL

Y750BHXT

Y81KFTMBH

Specifications:

Motor:	115V-AC/60 Hz 1/2 HP @ 3450 RPM
Max. Current Draw:	12.5 amperes
Weight:	30.0 lbs
Base:	18.00" x 8.00" x 6.00"
Height:	16.00"
Reservoir Volume:	2 quarts
Warranty:	5 year limited warranty

Accessories:

EPPCASE1:	Steel carrying case with handle, locking latch
PT9711:	Pendant switch

*See Hydraulic Hoses; Pump Accessories
for Hose options*

Electric Hydraulic Pump, 10,000 PSI Dual Voltage/Hertz, Large Reservoir

Pump Series: EP10

- Dual voltage / hertz
- Oil level window
- 8 quart reservoir

Models / For Use With:

EP10:	10,000 PSI electric pump; 1/2 HP 115/230 V-AC; 60 cycle
Used with:	Y34BH, Y35BH, Y35BH4, Y750BHXT, Y750CBHXT, Y45, Y46LWSBH, Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH, Y81KFTMBH, RHCC Series Cutters
EP102:	10,000 PSI electric pump; 1/2 HP 220/230 V-AC; 50/60 cycle
Used with:	Y34BH, Y35BH, Y35BH4, Y750BHXT, Y750CBHXT, Y45, Y46LWSBH, Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH, Y81KFTMBH, RHCC Series Cutters
EP101HP:	10,000 PSI electric pump; 1 HP 115/230 V-AC; 60 cycle
Used with:	Y34BH, Y35BH, Y35BH4, Y750BHXT, Y750CBHXT, Y45, Y46LWSBH, Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH, Y81KFTMBH, RHCC Series Cutters
EP101HP2:	10,000 PSI electric pump; 1 HP 220/230 V-AC; 50/60 cycle
Used with:	Y34BH, Y35BH, Y35BH4, Y750BHXT, Y750CBHXT, Y45, Y46LWSBH, Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH, Y81KFTMBH, RHCC Series Cutters



Specifications:

Motor:	1/2 HP 115/230V-AC, 60 Cycle; 1/2 HP @ 3450 RPM
Max. Current Draw:	10 amperes
Reservoir Volume:	8 quarts max; 2 quarts min.
Height:	17.50"
Base:	11.75" x 18.50"
Dry Weight:	68.0 lbs (86.0 lbs with max. fluid)
Warranty:	5 year limited warranty

Accessories:

*See Hydraulic Hoses; Pump Accessories for
Hose options*

Electric Hydraulic Pump, 10,000 PSI
Large 8 Quart Reservoir, Roll Cage

Pump: EPAC10

- Roll cage
- 3 position switch and control box
- Full automatic or manual "Jog and Hold" cycles
- Windows allow easy inspection of proper oil level

For Use With:

EPAC10: 10,000 PSI electric pump
Used with: Y34BH, Y35BH, Y35BH4, Y750BHXT,
Y750CBHXT, Y45, Y46LWSBH,
Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH,
Y81KFTMBH, RHCC Series Cutters

*Examples of some of the remote
crimping and cutting heads for use
with EPAC10 pump*



Y60LW



Y81KFTMBH



RHCC129ACSR



Specifications:

Motor:	1/2 HP 115/230V-AC, 60 Cycle; 1/2 HP @ 3450 RPM
Max. Current Draw:	10 amperes
Reservoir Volume:	8 quarts max; 2 quarts min.
Height:	17.50"
Base:	11.75" x 18.50"
Dry Weight:	68.0 lbs (82.0 lbs with max. fluid)
Warranty:	5 year limited warranty

Accessories:

*See Hydraulic Hoses; Pump Accessories for
Hose options*

Manual Hydraulic Pump, 10,000 PSI

Also Available in 6,000 PSI

Pump Series: HP10 and FP10

- Solid base with broad leg stabilizers
- Quick disconnect hydraulic fitting
- Built in handle for easy transport
- Factory set pressure release valve with audible click
- Quality, heavy duty foot pad with diamond plate steel (FP10)

Models / For Use With:

HP10: 10,000 PSI hand pump
Used with: Y34BH, Y35BH, Y35BH4, Y750BHXT,
Y750CBHXT, Y45, Y46LWSBH,
Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH,
Y81KFTMBH, RHCC Series Cutters

FP10: 10,000 PSI foot pump
Used with: Y34BH, Y35BH, Y35BH4, Y750BHXT,
Y750CBHXT, Y45, Y46LWSBH,
Y46LWBH, Y60LW, Y4PC834MBH, Y444SBH,
Y81KFTMBH, RHCC Series Cutters

FP6: 6,000 PSI foot pump
Used with: Y29BH



HP10 Hand Pump

Specifications:

Weight:	18.0 lbs
Size:	24.75" x 6.75" x 3.00"
Height (open):	20.00"
Reservoir Volume:	1-1/8 quarts
Warranty:	5 year limited warranty

Accessories:

*See Hydraulic Hoses; Pump Accessories for
Hose options*

Gasoline Driven Hydraulic Pump, 10,000 PSI
Heavy Duty 4 Horse Power Gasoline Engine

Pump: GP10

- Sturdy steel roll cage design
- Manual control valve
- Fast hose assembly; quick disconnect hydraulic coupler
- Large 8 quart reservoir

For Use With:

GP10: 10,000 PSI; 4 HP engine, 4 cycle
Used with: Y34BH, Y35BH, Y35BH4, Y750BHXT,
Y750CBHXT, Y45, Y46LWSBH,
Y46LWBH, Y60LW, Y4PC834MBH,
Y444SBH, Y81KFTMBH, RHCC Series Cutters

*Examples of some of the remote
crimping and cutting heads for use
with GP10 pump*



Specifications:

Engine:	4 H.P.; 4 Cycle
Weight:	77.8 lbs (overall dry weight)
Size:	21.00" x 22.25" x 16.00"
Reservoir Volume:	8 quarts
Warranty:	5 year limited warranty

Accessories:

*See Hydraulic Hoses; Pump Accessories for
Hose options*

Y60LW



Y750BHXT



10,000 PSI Non Conductive Hoses

- 3 lengths available in 2 diameters
- Orange
- Stackable couplers (male/female)

Models:

PT2990010	10' length; 3/16" diameter
PT2990015	15' length; 3/16" diameter
PT2990025	25' length; 3/16" diameter
PT2990110	10' length; 1/4" diameter
PT2990115	15' length; 1/4" diameter
PT2990125	25' length; 1/4" diameter



6,000 PSI Non Conductive Hoses

- Orange
- Stackable couplers (male/female)

Models:

PT2990210	10' length; 3/16" diameter
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Notes:

For proper care and maintenance of hydraulic hoses, consult the **Hydraulic Hose Care Manual; Form #7828**.

1/4" diameter (available for 10,000 PSI only) hose provides a higher flow rate for faster ram movement.

10,000 PSI Conductive Hoses

- Stackable couplers (male/female)
- Steel braided with steel spring reinforced ends
- Black

Models:

PT91 8' length; steel braided with steel spring reinforced ends; stackable couplers (male/female); Black. No electrical rating.
DO NOT USE ON ENERGIZED CONDUCTOR



Notes:

For proper care and maintenance of hydraulic hoses, consult the **Hydraulic Hose Care Manual; Form #7828**.

8,800 PSI Conductive Hoses

- Stackable couplers (male/female)
- Steel braided with steel spring reinforced ends
- Black

Models:

PT76 8' length; steel braided with steel spring reinforced ends; stackable couplers (male/female); Black. No electrical rating.
DO NOT USE ON ENERGIZED CONDUCTOR



PT290741 Insulated Hose Carrying Bag

- Designed for protection and cleanliness for non conductive hoses; maximum carrying capacity of 10 lbs.
- Accommodates 100 feet of non-conductive hose coiled to 17-1/2" OD and 3-3/4" wide



ALFLUID™ Hydraulic Fluid for Pumps

- ALFLUIDQT is quart size; ALFLUIDGAL is gallon size
- All weather hydraulic fluid for BURNDY® pumps types HP hand pump, FP foot pump, GP gasoline pump, and EPP electric pump



PT93 (Female) and PT94 (Male)

- Replacement couplers for 10,000 PSI operating pressure (sold separately)



PT11018 In-Line Pressure Gauge for 10,000 PSI Hydraulic Pumps

- Pressure gauge for 10,000 PSI operating hydraulic pumps



PT29091 (Male) and PT292141 (Female)

- Replacement couplers for 6,000 PSI operating pressure (sold separately)



MD6CP1 Protective Jaw Covers

- Laminated vinyl jaw covers, supplied as set
- Compact, snap in place easily
- Fits all styles except Snub-Nose Models



PT6744 Jaw Cover (Snub-Nose)

- Semi-rigid Neoprene non-conductive material
- Fits all MD66 Snub-nose Models



PT49311 Die Button Repair Kit

- Replacement die button kit for MD6/MD7 tool Models



PT4925 Canvas Bag

- Sturdy canvas bag for MD6/MD7 tool Models with or without covers in place
- Holds up to 9 die sets (sold separately)



PT49521 Steel Carrying Case

- Provides storage for the following: MD6, MD66, MD68, MD614, MD637, MD638, MD7, and MD76 with or without covers (sold separately)
- Holds up to 18 die sets (sold separately)



PT6733 Hotstick Tool Carrying Bag

- Heavy-duty, adjustable canvas bag
- Accommodates 48", 60" and 72" Models of the MD6 and Y35 Hotstick tools



WBG Die Set

- Double groove die set
- One (1) crimp per end on service entrance sleeves
- Requires half the number of crimps on other 5/8" sleeves



W687 & W702 Non-Bowing Die Sets

- Install one-piece, full-tension UNISPLICE™ sleeves on ACSR conductors without bowing (sold separately)

W687: Installs #4 ACSR 6/1, 7/1; YDS4RL and YDS4RLY
#2 ACSR 6/1; YS2RL and YDS2RLY

W702: Installs #2 ACSR 7/1; YDS021RL and YDS021RLY
1/0 ACSR; YDS25RL and YDS25RLY



W28K Cutter Die Set

- Cuts #4 - 4/0 ACSR, Aluminum or Copper



WDIETREE W Die Holder

- Innovative die holder as alternative to the standard die case
- Designed to hold up to 6 W dies
- Shown with die sets (not included)



CASEWDIES Compact Die Case

- Space for 12 W or X style dies (not included)



PATPROBAG Heavy Duty Nylon Carry Bag

- Fits all PATRIOT® battery tools (excluding PATCUT4 series)
- Heavy Duty, Water-Resistant Nylon
- Corrosion Resistant Steel Hardware
- Dual Heavy Duty Zippers and Straps; Durable Base Liner and Reinforced Side Walls
- 19.4" x 11.5" x 11" and loaded with pockets for everything needed on the job



CASEUDIES15 Carry Case for U Dies

- Plastic case design for storage and protection of U dies
- Accommodates 15 die sets (standard or wide width U dies)
- Case is 11-1/4" x 7-1/2" x 3"
- Die sets sold separately
- CASEUDIES8 also offered, holds 8 die sets



PT6545 Die Case for S or P Style Die Sets

- Metal carrying case
- Accommodates 8 S or P Style Die Sets typically used with the Y45 and Y46 series of tools



HYFLUID™ Hydraulic Fluid for HYPRESS™ Tools

- HYFLUIDQT - quart size; HYFLUIDGAL - gallon size
- Hydraulic fluid for HYPRESS™ hand tools types Y35, Y352, Y750HSXT, and Y750CHSXT



PT294021

Adjustable Head Grip for Hot Stick PT294021 for Y35 and Y750 Remote Tools PT10128 for Y46 Tool

- Adjustable head grip for joining HYPRESS™ heads to universal hot sticks

Y35/Y39REPKITA Seal Repair Kit

- Seal repair kit for Y35 or Y39 (now discontinued) tools

Steel Carrying Cases for Y35 and Y352

- PT2972 - steel carrying case for Y35 tool
- PT29360 - steel carrying case for Y352 tool

Force Test Gauges

For Battery Actuated and Self-Contained Hydraulic Tools Only

- Not recommended for remote powered heads*
- Easy to read dials
- Custom U die blanks with detent (12 & 15 ton tools)
- Custom ram puck and v-block gauge adapters (11 ton dieless tools)
- Comes complete with polymer carry case to protect blanks, adapters, and gauge; includes operating and maintenance manual.
- 1 year limited warranty

*see PT11018 in-line pressure gauge for 10,000 psi pumps

Models:

FORCEGAUGE1215 For 12 & 15 ton tools

Use with: Y750HSXT, PAT750 Series, and
PAT46 Series (with PUADP1 Adaptor)

Weight & Size: 2.7 lbs; 8.30" x 4.30" x 1.50"

PT292792 For 12 ton tools

Use with: Y35

Weight & Size: 2.7 lbs; 9.25" x 3.88" x 2.00"

FORCEGAUGE11 For 11 ton dieless tools

Use with: Y644HSXT, PAT644 Series, and PAT444S Series

Weight & Size: 2.7 lbs; 9.00" x 3.98" x 1.24"



FORCEGAUGE1215 with die blanks (included)



*PT292792
with die blanks (included)*



*FORCEGAUGE11
(adapters not shown, included)*

WIREMIKE™
Stainless Steel Wire Micrometer
Available in multiple formats

- Strong, durable, high quality
- Most formats:
 - Allows for use as both caliper and ruler
 - Measures I.D. and O.D. of tubing
 - Measures thin-wall and rigid conduit including IPS
 - Measures ACSR, stranded and solid commercial cables

WIREMIKE, WIREMIKED and RK1942 are for use on:

ACSR

#6 to 336.4 (26/7) Stranded

Stranded AWG

#18 to 2000 kcmil

Solid

#20 to 4/0 AWG

IPS Tubing (Cu/Al) and Rigid Conduit:

1/4" to 2-1/2"

Tubing Sizes:

3-1/8" inside maximum; 2-15/16" outside maximum

Thin-wall Conduit:

3/8" to 2-1/2"

WIREMIKECI is for use on:

Compression Connectors and Splices (including Compression Grounding)

#18 to 2500 kcmil Copper Class B

#10 to 4/0 Solid Aluminum / Copper

#18 to 3500 kcmil Concentric Aluminum

#8 to 1100 kcmil Compact Aluminum

#14 to 1111 kcmil Copper DLO

Also used for reference only* for inspection of completed crimp when using Butting Copper or Aluminum Dies with the 750, 46, 35, or 39 series of tools.

Copper Dies U8CRT to U44XRT

Aluminum Dies U8CABT to U39ART-2



WIREMIKE

Models:

WIREMIKE Stainless Steel, inch/fraction markings

WIREMIKECI Stainless Steel, no ruler capabilities but may be used for reference on specific completed crimps (see more detail to left for WIREMIKECI)

WIREMIKED Stainless Steel, decimal markings in place of fraction markings, same capabilities as catalog # WIREMIKE™

RK1942 Convenience packaging of WIREMIKE™ (with inch markings) in packaging suitable for hanging on a rack; sold in multiples of 10 only



Close up for the Die Inspection Section (Used for Reference Only*) Catalog # WIREMIKECI only

*WIREMIKECI tool is to provide measurements for reference only, not to confirm the suitability of connection. Customer is responsible to independently verify suitability of connection.

Micro-Adjustable Professional Grade Hand-Operated "Click-Type" Torque Wrenches

Tool Series: BTW

- Ratcheting, calibrated, dual direction
- Positive lock with spring-loaded pull-down lock ring
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.
- ASME B107.14M-2004 and ISO 6789

For Use On:

Any mechanical connection with torque values within range of specific torque wrench. Including, but not limited to:

Types: SERVIT[®], OKLIP[™], VERSITAP[™], SCRULUG[™], Lay-In QIKLUG[™], VARITAP[™], VARILUG[™], KA-U Universal Terminals, UNITAP[™], POLYTAP[™], BARTAP[™], Type BIPC, Terminal Blocks, U-BLOK[™], SPEC-BLOK[™], VERSIPOLE[™]

Models:

BTW30150 Torque range 30 - 150 in-lbs; 10.25" long;
3/8" drive

BTW150750 Torque range 150 - 750 in-lbs; 16.00" long;
3/8" drive

BTW1575F12 Torque range 15 - 75 ft-lbs; 16.00" long;
1/2" drive



Specifications:

Accuracy:	±4% clockwise; ±6% counter clockwise of indicated value clockwise, from 20% to 100% of full scale
Applicable Standards:	ASME B107.14M-2004; ISO 6789
Calibration:	Traceable to N.I.S.T.
Warranty:	1 year limited warranty





WTB

- WEJTAP™ patented tool body
- One piece assembly
- Installs WEJTAP™ and STIRRUP™ connectors #8 AWG - 1590 kcmil ACSR with applicable tool head



WTBASY1

- WEJTAP™ ram replacement assembly



WTHY1S

- WEJTAP™ tool head
- Installs medium and large (yellow coded) connectors



WTHRBY1S

- WEJTAP™ tool head
- Installs small and medium (red/blue coded) connectors

**WEJTAP™
Boosters**



- The WEJTAP™ System requires use of boosters for installation of connectors (red, blue, and yellow boosters match connectors)
- Boosters are available packaged with connectors and also sold separately

Red: WPBRNBOX25
Blue: WPBBNBOX25

Yellow: WPBYNBOX25

**WTOCBR and
WTOCY**

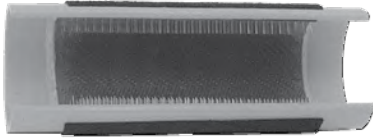


- WEJTAP™ removal clip for red/blue connectors (WTOCBR) with WTHRBY1S tool head
- WEJTAP™ removal clip for yellow connectors (WTOCY) with WTHY1S tool head



WTCK

- WEJTAP™ tool cleaning/maintenance kit for use with type WTB tool body
- Comes in clear carrying bag



WHHWB

- Hand-held wire brush for cleaning surface contact areas on non-energized conductors



WTCC

- Plastic carrying case only; designed for rugged use in all weather conditions
- Accommodates WEJTAP™ installation tool, removal clips, and cleaning kit (sold separately)



WABAG

- Durable bag designed to carry installation tool(s), removal clips, cleaning kit, and hotstick accessories; Holders for power boosters located on outside of bag (all sold separately)

WEJTAP™ Kits with contents shown below

	*Non-Hotstick Power Unit	Hotstick Power Unit	Self-Firing Tool	Large Frame (Yellows)	Large Frame Take Off Clip	Small Frame (Red, Blue)	Cleaning Kit	Small Frame Take Off Clip	Molded Carrying Case	Canvas Style Tool Bag
Component Kit Catalog No.	WTBNHS*	WTB	WTBGBW	WTHY1S	WTOCY	WTHRB1S	WTCK	WTOCBR	WTCC	WABAG
WT2B2RBYWABAG		2		1	1	1	1	1		1
WTRBYK		1		1	1	1	1	1	1	
WTRBYKNHS	1			1	1	1	1	1	1	
WTYK		1		1	1		1			
WTYKNHS	1			1	1		1			
WTRBK		1				1	1	1	1	
WTRBKNHS	1					1	1	1	1	
WTY		1		1			1			
WTRB		1				1	1			
WTRBKNHSBAG	1					1	1	1		1
WTBGBWRBYK			1	1	1	1	1	1	1	
WTRBYWABAG		1		1	1	1	1	1		1
WTRBYKNHSBAG	1			1	1	1	1	1		1

*Note: Non-hotstick power units do not contain features allowing activation with hotsticks; they are not upgradeable.



WHSCWH

- Hotstick connector clamp holds tap connector and wedge for installation on energized lines with shotgun hotstick



WHSPBC

- Hotstick dual cable clamp to hold run and tap conductors in place during installation; for all applications #8-1272 ACSR



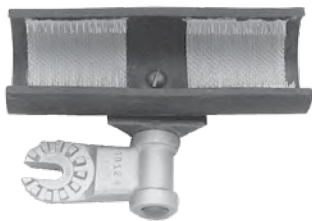
WHSWHADP

- Hotstick angle wedge holder adapter attaches wedge clamp to universal hotstick for hotline installation



WCHAWAS

- Hotstick angle wedge holder adapter attaches wedge clamp to universal hotstick for installation using shotgun stick



WHSWB

- Hotstick wirebrush attaches to universal hotstick for cleaning the contact surface of the line conductor



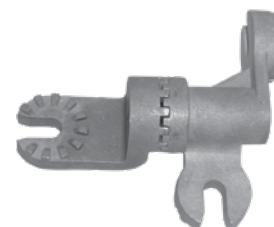
WHSGB

- Hotstick breech drive; geared shotgun hotstick adapter latches to breech end of tool without disassembly for use on energized lines



WHSTA

- Hotstick tool (actuator) hammer attaches to universal hotstick for striking the actuator button to complete installation



WHSSADP

- Hotstick spring loaded 90 degree adapter; used to attach tool to universal hotstick for hotline installations

DOMINATOR Auger Bits For Treated Wood

Series: LPHTBIT

- Single Flute
- Hardened Steel Tip
- Aggressive lead screw
- Cuts hardest of woods with very fast drilling
- Self-feeding
- 100+ Holes

For Use On:

Treated Wood

		TREATED WOOD
OAL	DIA	DOMINATOR
18"	9/16"	LPHTBIT91618D
18"	5/8"	LPHTBIT5818D
18"	11/16"	LPHTBIT111618D
18"	3/4"	LPHTBIT3418D
18"	13/16"	LPHTBIT131618D
18"	15/16"	LPHTBIT151618D
24"	11/16"	LPHTBIT111624D
24"	13/16"	LPHTBIT131624D
24"	15/16"	LPHTBIT151624D



Close up of
DOMINATOR lead screw



HIW716MAG
Hydraulic Impact Wrench



HIW716ENF
Hydraulic Impact Wrench

ENFORCER® Hydraulic Impact Wrench
Variable Torque; 7/16" Quick Chuck

Tool Series: HIW-ENF

- Industry exclusive torque selector allows switching between 200 and 515 ft-lb torque settings
- Dual spool selector for Open and Closed systems
- Cartridge style valves for greater accuracy
- Internal safety relief valve

Models:

- HIW716ENFKIT2 Wrench, eyelet, flat face couplers
HIW716ENFKIT3 Wrench, flat face couplers
HIW716ENFTGKIT1 Wrench, trigger guard,
flat face couplers



HIW716ENFTGKIT1 Hydraulic Impact Wrench shown with trigger guard, adaptors and couplers

See our line of DOMINATOR Auger Bits

Specifications:

Chuck Type:	7/16" Quick Change
Opt. Pressure:	750-2000 PSI
Flow Range:	4-12 GPM
Opt. Flow Range:	4-8 GPM
Weight:	6.0 lbs
Torque:	515 ft-lbs
Size:	9.00" x 7.75" x 3.12"
Warranty:	5 year limited warranty

Accessories:

- HIW716ENFTGKIT: Trigger guard assembly kit
LPHTADPMMOP66 SAE #6 to 3/8" NPT male-to-male adapter for use with couplers listed below (2 required)
LPHTHTMANOSE66 3/8" male coupler (flat face) with 3/8" NPT (female thread) (1 per tool; 2 per hose)
LPHTHTMABODY66 3/8" female coupler (flat face) with 3/8" NPT (female thread) (1 per tool; 2 per hose)
LPHTHOSNCR66668 3/8" X 8' hose set
LPHTADPSMFOP66 SAE swivel adapter (2 required)

*(Recommended quantity for use with HIW716ENF)

See Low Pressure Hydraulic Accessories for additional options

MAG Series Hydraulic Impact Wrench Machined Aluminum, Gerotor Design

Tool Series: HIW-MAG

- Aircraft grade extruded aluminum body, forged handle
- CNC machined parts
- Frictionless gerotor motor
- Cartridge style valve
- 7/16" Tri-ball quick change chuck
- Dual spool selector for Open & Closed systems
- "Glove-sized" wide grip activation trigger
- Inlet/Outlet SAE 6 adapters
- Reverse flow and hook-up protection
- Injection molded thermally insulated textured comfort grips
- Forward/Reverse selector



Models:

- HIW716MAGKIT1 Wrench, flat face couplers
 HIW716MAGKIT2 Wrench, swivels, 8' NCR hose, flat face couplers
 HIW716MAGKIT3 Wrench, swivels, 10' NCR hose, flat face couplers

See our line of DOMINATOR Auger Bits

Specifications:

Chuck Type:	7/16" Tri-ball quick chuck
Opt. Pressure:	1,000 - 2,000 PSI
Flow Range:	4 - 12 GPM
Opt. Flow Range:	4 - 8 GPM
Weight:	7.6 lbs
Torque:	550 ft-lbs
Size:	9.62" x 9.00" x 3.62"
Warranty:	5 year limited warranty

Accessories:

- LPHTADPMM71612 7/16" quick chuck to 1/2" square drive adapter
 LPHTADPMMOP66 SAE #6 to 3/8" NPT male-to-male adapter for use with couplers listed below (2 required)
 LPHTHTMANOSE66 3/8" male coupler (flat face) with 3/8" NPT (female thread) (1 per tool; 2 per hose)
 LPHTHTMABODY66 3/8" female coupler (flat face) with 3/8" NPT (female thread) (1 per tool; 2 per hose)
 LPHTHOSNCR66668 3/8" X 8' hose set
 LPHTHOSNCR666610 3/8" X 10' hose set
 LPHTADPSMFOP66 SAE swivel adapter (2 required)

See Low Pressure Hydraulic Accessories
for additional options

KOMPRESSOR™ Remote Operated
12 Ton Low Pressure Hydraulic Compression Tool

Tool Series: LPHY750

- Visual and audible crimp indicator
- 1.65" jaw opening covers a range of applications
- 350° head rotation
- Uses all standard BURNDY® U dies
- Crimp time approximately 2 seconds

For Use On:

Tension Sleeves

Copper	#8 sol. - 500 kcmil
Aluminum	#8 sol. - 587.2 kcmil
ACSR	#4 - 556.5 kcmil

Taps

Copper	#14 sol. - 500 kcmil
Aluminum	#8 - 500 kcmil

Aerial Cable

Copper	#6 - 500 kcmil
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Terminals & Splices

Copper	#8 - 750 kcmil
Aluminum	#8 - 750 kcmil
ACSR	#4 - 556.5 kcmil

HYGROUND® (Compression Grounding)

Copper	#8 - 500 kcmil
Ground Rods	1/2" - 1" diameter

Models:

LPHY750XT Standard KOMPRESSOR™ tool



LPHY750XT shown with couplers (sold separately)

Specifications:

Flow Rate:	3 - 9 GPM (11 - 34 LPM)
Operating Pressure:	1,500 - 2,500 PSI (103 - 172 BAR)
Force Developed:	12 Tons
Die Style:	U dies
Jaw Opening:	1.65"
Weight:	21.0 lbs (9.5 kg)
Size:	20.75" x 15.00" x 12.00"
Max. Back Pressure:	250 PSI (17 BAR)
Warranty:	5 year limited warranty

Accessories:

LPHTHOSNCR666680P:	Direct connect 8' non-conductive hose set
LPHTHOSNCR6666100P:	Direct connect 10' non-conductive hose set
LPHTHOSNCR66668:	*8' non-conductive hose set
LPHTHOSNCR666610:	*10' non-conductive hose set
LPHTHTMANOSE66:	Male coupler 3/8" HTMA
LPHTHTMABODY66:	Female coupler 3/8" HTMA
LPHTADPSMFOP66:	Swivel Adapter

*These hoses are used with LPHTADPSMFOP66 swivel adapter

*See Low Pressure Hydraulic Accessories
for additional options*

Hydraulic Pole Saws

Light Weight, Low Pressure Hydraulic

Tool Series: HPS-LWMAG

- Light weight, narrow kerf OREGON® bar with anti-kickback
- Optimized limb hook and chip deflector
- Cartridge style valve
- 2-stage safety trigger, anti-kickback chain and anti-slip grip
- Fiberglass tube tested at final assembly with CHANCE® Hot Stick Tester Model CC403-3178 to the value specified as per OSHA 1910.269

Models:

HPS1375LWMAG 75" overall length; 1.25" pole diameter;
13" cutting capacity;
Weight: 8.75 lbs dry, 11 lbs with oil

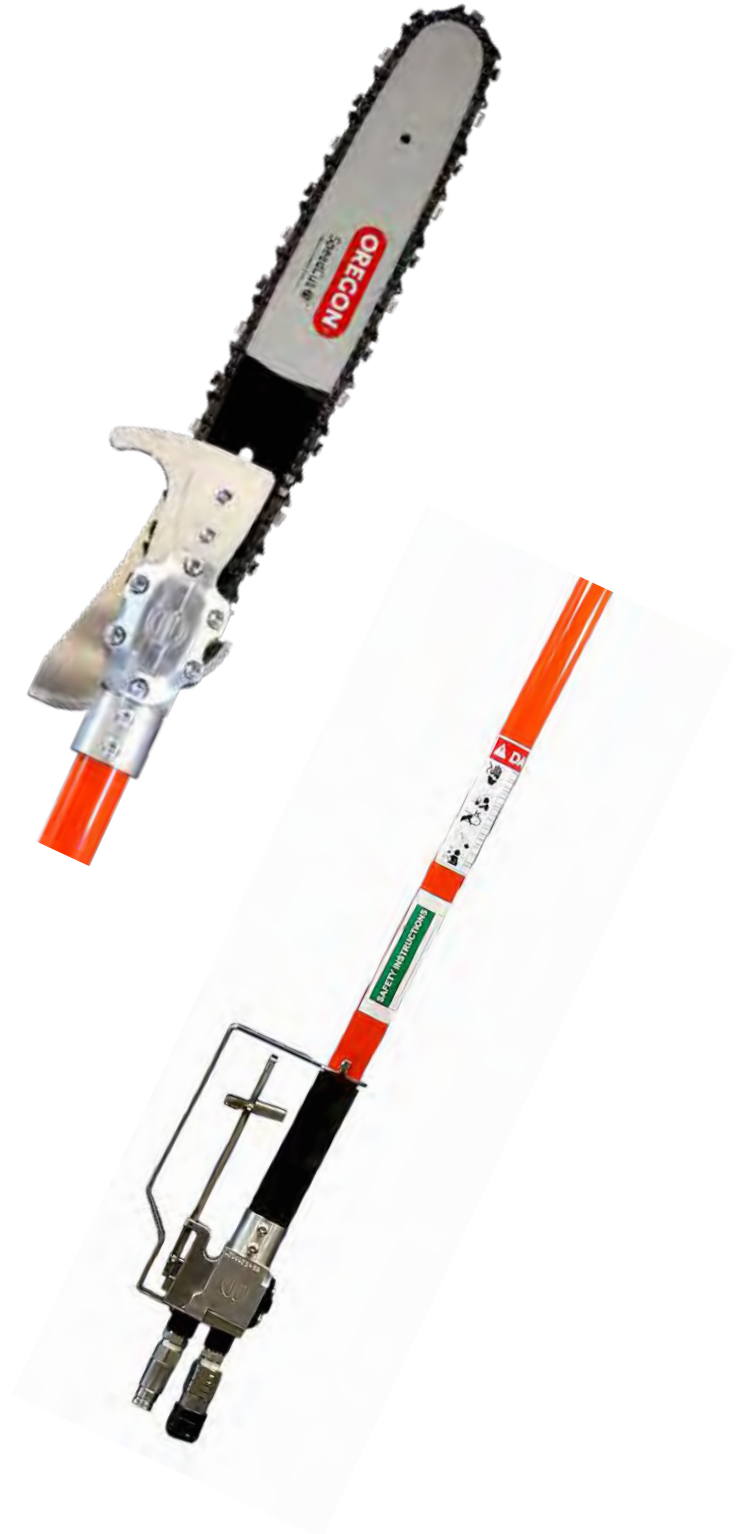
HPS1388LWMAG 88" overall length; 1.25" pole diameter;
13" cutting capacity;
Weight: 8.95 lbs dry, 11.2 lbs with oil

Specifications:

Flow:	4-8 GPM (16-30 LPM)
Pressure:	1000-2000 PSI (70-140 BAR)
Max. Back Pressure:	250 PSI (17 BAR)
Operation:	Open/Closed Center
Motor:	Gear
Chain:	.325" pitch anti-kickback
Tool Ports:	#6 SAE O-Ring
Warranty:	5 year limited warranty

Accessories:

*See Low Pressure Hydraulic Accessories
for additional options*



LPHT (Low Pressure Hydraulic Tool) Accessories

Catalog Number	Description
LPHTADPMM71612	7/16" Quick chuck adaptor x 1/2" square
LPHTADPMMOP66	ADP Male/Male SAE #6, 3/8 NPT (2 required per tool)
LPHT HOSES Red or Orange	
LPHTHOSNCR666610	Hose; Insulated, 10 foot; 3/8 NPT, 3/8 NPT
LPHTHOSNCR66668	Hose; Insulated, 8 foot; 3/8 NPT, 3/8 NPT
LPHTHOSNCR66668OP	Hose; Insulated, 8 foot, SAE #6, 3/8 NPT
LPHTHOSNCR666610OP	Hose; Insulated, 10 foot, SAE #6, 3/8 NPT
COUPLERS	
LPHTDRIPBODY66	Dripless body; 3/8 body, 3/8 NPT
LPHTDRIPNOSE66	Dripless nose; 3/8 nose, 3/8 NPT
LPC12S	3/8, 1/2 NPT Flush face coupler set (body & nose)
LPHTHTMADUSTCAPF	HTMA dust cap body
LPHTHTMADUSTCAPM	HTMA dust cap nose

NOTE:

Only the most common accessories and sizes are shown. If you don't see what you are looking for call us at Customer Service: 1-800-346-4175.

Auger Bits are featured on the Auger Bit page earlier in the catalog.



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Table of Contents

Introduction	
Basic Connection Principles.....	0-2
Hardware Data	
DURIUM™ Steel/Aluminum Tightening Torques	0-6
DURIUM™ Hex Bolts Data.....	0-6
UL Tightening Torque UL 486.....	0-7
Recommended Clamping on Bolted Connectors.....	0-9
Cable Data (Tables)	
Copper Cable	
Copper Tube.....	0-10
Solid Copper Wire.....	0-11
Compact Stranded Copper Cable.....	0-11
Stranded Copper Cable.....	0-12
Flexible Copper Stranded Cable.....	0-14
Aluminum and ACSR Cable	
Aluminum Tube	0-15
Aluminum 1350 Cable Bare - Classes AA and A	0-16
Aluminum 1350 Cable Bare - Class B	0-17
ACSR Cable	0-18
High Strength ACSR Cable	0-19
Compact Aluminum 1350 Cable.....	0-19
Aluminum Alloy 5005 Cable	0-20
Aluminum 6201 Cable	0-20
Aluminum Alloy 8000 Series "O" Temper Cable.....	0-21
Compact ACSR Cable.....	0-23
ACSR/TW Cable (Trap Wire).....	0-23
AAC/TW Cable (All Aluminum Trap Wire)	0-24
ACAR Cable	0-25
SSAC Cable.....	0-25
Steel Conductors	
Solid COPPERWELD® Cable.....	0-27
Stranded COPPERWELD® - Copper Cable.....	0-27
COPPERWELD® Copper Cable	0-28
Galvanized Steel Cable	0-29
Aluminum Coated Steel Cable.....	0-30
Terminal Stud Size Chart	0-30
AWG vs. Metric Wire Sizes.....	0-31
Inches - Millimeters Conversion Chart.....	0-33
BURNDY Conductor Numbering System	0-34
Die Index Reference	0-36
Present Installation Tool Index.....	0-37
Color Coding for Overhead Connectors	0-48
Color Coding for AL/CU Connectors.....	0-48
Color Coding for Copper Lugs and Splices	0-49
Product/Trade Name Index.....	0-50
Alpha-numeric Index.....	0-51
Standard Terms and Conditions of Sale.....	0-124

Introduction - Basic Electrical Connection Principles

Basic Factors:

The basic factors which influence the design and performance of pressure wire connections are as follows:

1. Creep
2. Surface Oxide
3. Corrosion

A fourth factor, known as thermal effects, is also a consideration, but due to the technical nature and length of this topic, it will not be discussed here.

At the outset it should be pointed out that these factors give rise to much more difficult problems in connections involving aluminum conductors than those encountered in copper to copper connections.

Creep (Cold Flow)

Creep is the cold flow of the metal under pressure and it continues until the pressure reduces to a value at which any further creep is negligible. Creep properties depend on the particular metal or alloy and on its hardness; alloys having less creep than pure metals, and harder metals have less creep than soft metals. In a typical connection, the conductors are generally of pure metal and often of soft temper and therefore, subject to considerable creep. In addition, the condition is further exaggerated when aluminum is the conductor as compared to copper, since its creep rate is many times that of copper.

Effect of Creep: Figure 2 shows typical curves of total contact resistance plotted against total contact force. Curve A shows how the contact resistance continually decreases with increasing contact force. When the full contact force F_1 is reached, the contact resistance reaches the low value of R_1 . In general, the full tightening force on a connector greatly exceeds the maximum force for which there is no appreciable creep. Therefore, the force will gradually settle down to a value after which there will be no further significant creep. Fortunately, however, the resistance does not climb back up along curve A, the tightening curve, but instead it follows a new curve B, the relaxing curve, along which the resistance changes very little until the force relaxes to a value such as F_2 .

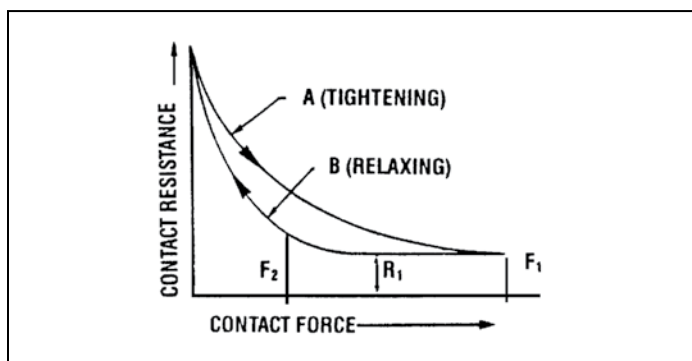


Figure 2

Admittedly, the point of “no appreciable creep” is difficult to define. For pure metals, especially in the soft state, there is always some creep, even at very low pressures at room temperature. However, we do know that the pressure required to produce the same creep rate is several times greater for copper than for aluminum. Thus, to permit the same contact force F_2 for aluminum and copper, the contact area A required for aluminum can be expected to be considerably greater than that required for copper. This explains why the contact areas for connectors for aluminum must be considerably greater than for copper and why many light duty connectors for copper are entirely inadequate for aluminum, even when specially plated and when recommended compounds are used on the contact surfaces.

Relaxation: Relaxation of pressure due to creep, or for any other reason, would be a much more difficult factor in a pressure connection were it not for the relationship of contact pressure to contact resistance on the relaxation curve as shown in Figure 2. It is frequently observed that some time after the bolts of a clamp type connector are tightened, the bolt tensions are relaxed appreciably. The question arises as to whether it is necessary to retighten the bolts to the original torque value. In a properly designed connector, retightening is unnecessary since the contact resistance should increase very little due to the relaxation of pressure, as shown by the relaxation curve of Figure 2.

This fact is largely responsible for the successful operation of a compression connector. The application of the compression tool applies very high pressure, establishing very low contact resistance. The removal of the compression tool releases a very large proportion of this pressure, and creep further relaxes this pressure. Fortunately, the contact resistance increases very little due to this pressure relaxation.

Contact Force: The previous analysis shows that the total contact force largely determines the contact resistance. Thus, to achieve the desired low value of contact resistance, the proper size and number of bolts in a clamp type connector must be supplied, and the compression tool must apply the proper force to a compression connector. In addition, the connector must be designed with sufficient structural strength, contact area, and resilience, to assure that the contact force cannot relax beyond the point where contact resistance begins to rise appreciably, as shown in Figure 2.

Surface Oxide

The contact of pure metallic surfaces cannot be assured in practical connections. Surface contamination must be expected, especially surface oxidation. These surface films are insulators as far as contact resistance is concerned, and they must be broken to achieve metal to metal contact to make an adequate electrical connection. The difficulty of breaking the film depends on the nature of the film, its thickness, and the metal on which it is formed.

Copper oxide is generally broken down by reasonably low values of contact pressure. Unless the copper is badly oxidized, good contact can be obtained with very little or no cleaning.

Introduction - Basic Electrical Connection Principles (continued)

Silver oxide is even more easily broken down by the contact pressure; and since silver oxide forms less readily at elevated temperatures, silver contact surfaces are preferred over copper when used for high temperatures. For this reason, it is considered good practice to silver plate copper contact surfaces that must operate at temperatures over 200° C.

On the other hand, aluminum oxide is a hard, tenacious, high resistance film that forms very rapidly on the surface of aluminum exposed to air. In fact, it is the toughness of this film that gives aluminum its good corrosion resistance. The oxide film that forms after more than a few hours is too thick and tough to permit a low resistance contact without cleaning. The aluminum oxide film is transparent so that even the bright and clean appearance of an aluminum connector is no assurance that the low contact resistance can be attained without cleaning.

In addition to the necessity for cleaning the oxide from aluminum, the surface should be covered with a good connector compound to prevent the oxide from reforming. Common practice is to clean the surface with a wire brush or emery cloth. The compound should be applied immediately after cleaning, or the compound should be put on first and the surface scraped through the compound. Present practice is to scratch brush dry and to apply the compound immediately thereafter. This allows a more thorough job of cleaning the conductor.

Contact Compounds: Petrolatum or No-Oxid are good contact surface compounds for aluminum, but BURNDY® PENETROX™ A, a petroleum type compound containing zinc dust, has the additional advantage of assisting in the breaking down of the contact resistance. How this is accomplished is not certain, but it appears that the zinc particles of PENETROX™ A probably act as current bridges in the breaks in the oxide film. For more complete information about the PENETROX™ line of compounds, refer to the Accessories section of this catalog.

Interstrand Resistance: The high contact resistance due to the oxide on the strands of an aluminum cable may be responsible for a poor distribution of current among the strands on the cable. Thus, the outer strands may carry much more than their share of the current and overheating of the cable may result. Tests have shown that even on new cable this effect of interstrand resistance can be considerable unless a good contact compound is used. The clamping action tends to break down the oxide and force the compound between the strands. This is particularly true of compression connectors due to the very high unit pressures developed.

The most effective way to break down interstrand resistance of aluminum cable is to use compression connectors filled with a compound having zinc particles. Then, when the end of the cable is inserted in the connector, the compound is forced between the strands where it very effectively breaks down the interstrand resistance upon application of the compressive force.

Plating Aluminum: Plating the contact surfaces of aluminum connectors will prevent the formation of aluminum oxide. Electro-tin, cadmium and zinc platings have been used for this purpose. However, the use of a plated aluminum connector does not make it less necessary to scratch brush the aluminum conductor, nor does it reduce the need for a good contact compound. Additional problems are introduced due to the plating on aluminum which render it of very doubtful value over the proper use of base aluminum. This will be more fully discussed later.

Corrosion

The electrical conductivity and mechanical strength of an electrical connection must remain stable under the deteriorating influences of the environment. This deterioration is corrosion. It is the electrolytic action of moisture and other elements of the atmosphere in conjunction with the metals of the connection. If the conductors and connectors are of copper or a corrosion resistant copper alloy, corrosion is usually a minor factor. However, it is a very vital factor if aluminum is involved.

If moisture can be kept away from the connection, corrosion will not be a factor. The electrical connection of a high voltage splice on insulated cable is generally free from corrosion since the taping may be used to avoid corrosion on bare cable, provided it excludes moisture. It is difficult to get a good tape seal to the conductor itself, especially on stranded cable. If moisture does penetrate the taping, it will not dry out as readily as if the joint were untaped. Various plastic materials are available today for covering low voltage connections or for bare conductor connections on high voltage. Unless such coverings are completely moisture-proof, it is better to rely on installation with a good contact compound, using a connector designed to resist corrosion.

Galvanic Action: Whenever dissimilar metals are in the presence of an electrolyte, a difference in electric potential is developed. One metal becomes the cathode and receives a positive charge. The other becomes the anode and receives a negative charge. When these metals are in contact, an electrical current will flow, as in the case of any short-circuited electric cell. This electrolytic action causes an attack of the anodic metal, leaving the cathodic metal unharmed. The extent of the attack is proportional to the strength of the electrolytic current, which in turn is proportional to the electric potential difference developed.

The magnitude of the potential difference generated between two dissimilar metals can be seen by the position of these metals in the electrolytic series. Figure 3 is such a series. When two metals are in contact in an electrolyte, the one higher up in this series is the anode, the corroded metal, while the one lower is the cathode, the protected metal. The further apart the metals are in this series, the greater the electrolytic potential difference, and the greater the attack to the anodic metal. Note that copper and aluminum are quite far apart in the series, copper being cathodic and aluminum anodic. Hence, when aluminum and copper are in contact in an electrolyte, the aluminum can be expected to be severely attacked.

Crevice Corrosion: Electrolytic attack can also occur between like metals due to a phenomenon known as oxygen concentration cell or crevice corrosion. Since oxygen is necessary for corrosive action, a variation in the concentration of oxygen where a metal is exposed to an electrolyte will generate a difference of potential, and cause a corrosive attack in the oxygen starved area. Thus, since an electrolyte in a deep crevice is freely exposed to the air at the outside, the concentration of oxygen will be greatest at the mouth of the crevice. Then corrosion can be expected to occur in the crevice remote from the surface. Crevice corrosion can be prevented if the crevice is filled with a compound to exclude moisture. Thus, within the contact groove of an aluminum connector containing an aluminum conductor, there will be numerous crevices in which corrosion will take place unless a good connector compound is applied during installation. Copper, being a more noble metal, appears to be much less subject to crevice corrosion.

Introduction - Basic Electrical Connection Principles (continued)

- ✦ LESS NOBLE (ANODIC)
- ↓ Magnesium
- ↓ Magnesium alloys
- ↓ Zinc
- ↓ Aluminum 1100
- ↓ Cadmium
- ↓ Aluminum 2024-T4
- ↓ Steel or Iron
- ↓ Cast Iron
- ↓ Chromium Iron (Active)
- ↓ Ni-Resist
- ↓ Type 304 Stainless (Active)
- ↓ Type 316 Stainless (Active)
- ↓ Lead Tin Solders
- ↓ Lead
- ↓ Tin
- ↓ Nickel (Active)
- ↓ Inconel
- ↓ Brasses
- ↓ Copper
- ↓ Bronzes
- ↓ Copper-Nickel alloys
- ↓ Monel
- ↓ Silver Solder
- ↓ Nickel (Passive)
- ↓ Inconel (Passive)
- ↓ Chromium-Iron (Passive)
- ↓ Type 304 Stainless (Passive)
- ↓ Type 316 Stainless (Passive)
- ↓ Silver
- ↓ Titanium
- ↓ Graphite
- ↓ Gold
- ↓ Platinum
- MORE NOBLE (CATHODIC)

Figure 3

Corrosion Testing: The effectiveness of an electrical connection to resist corrosion can be tested in the laboratory under conditions designed to greatly accelerate the natural corrosive conditions of actual service. The most widely accepted means is the standard salt spray chamber. In this chamber the specimens are placed in a salt fog made by atomizing a 20% salt solution at 100° F.

BURNDY, as well as other manufacturers and utility companies, have done a great deal of testing and a considerable area of agreement has been reached. There are, however, minor differences in recommended practices. The problem is concerned with aluminum and aluminum to copper connections since the effect of corrosion on copper to copper connections is far less serious. Let us study the recommended practices.

Aluminum to Aluminum Connections: For joining aluminum to aluminum conductors, there is little disagreement that an aluminum bodied connector is the proper choice, since this obviously eliminates the galvanic corrosion of dissimilar metals. However, even in this case, care must be taken to prevent crevice corrosion and to select an alloy of aluminum for the connector body that is free from cracking due to stress corrosion.

Aluminum to Copper Connections: Similarly, for joining aluminum to copper conductors, an aluminum bodied connector is the best choice since it prevents galvanic corrosion of the aluminum conductor, the most vulnerable element to attack in the connection. Realizing this, BURNDY initiated a research program aimed at finding the best way to make an aluminum connector suitable for joining aluminum to copper conductors.

This led to the evolution of the "Massive Anode Principle" of connector design for joining conductors of dissimilar metal. On the basis of this principle, properly designed, all-aluminum connectors became available for universal use in joining aluminum to aluminum or aluminum to copper conductors.

Massive Anode Principle: By making the aluminum connector massive in comparison to the copper conductor, when the copper conductor emerges from the connector, the electrolytic current density over the exposed face of the aluminum connector is greatly reduced. This is schematically represented in Figure 4. Since the rate of corrosion is directly related to the current density on the surface of the anodic material, the relatively large face of the aluminum connector will suffer only minor attack.

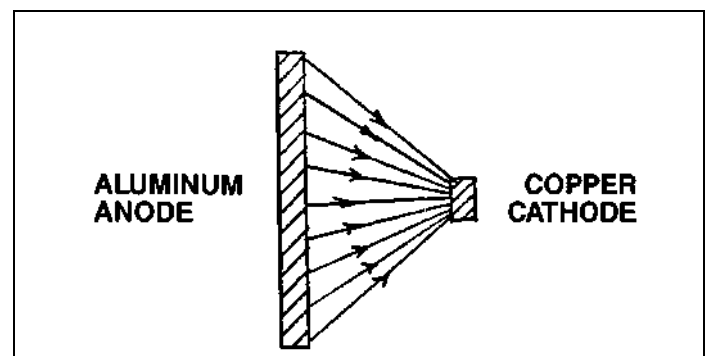


Figure 4

In addition, because the aluminum connector body is massive in the region where the corrosion occurs, the small loss of metal caused by corrosion is insignificant, even after long periods of service. Furthermore, the connector design should be such that clamping bolts, and areas of high stress which provide structural strength, are not in the regions subject to galvanic attack.

The effectiveness of this theory has been amply demonstrated in salt spray corrosion tests in which the connectors were subject to 1,000 hours in the salt

Introduction - Basic Electrical Connection Principles (continued)

spray fog with only minor corrosive pitting adjacent to the copper conductor, as seen in Figure 5. In addition, the aluminum conductor was completely protected, and the joint resistance remained virtually unchanged. The test involved a wide variety of sizes and types of connectors showing the effectiveness for small service connectors as well as large power connectors. Figure 6 shows a large all aluminum clamp type T connector installed on 3-1/2" diameter copper run and 750 kcmil aluminum tap. The figure shows this connector which was opened up after 1,400 hours of the salt spray test. Note that the contact surfaces are bright and clean and the only evidence is minor pitting along the faces adjacent to the copper.

*It should be emphasized that a good compound should be used on the contact surfaces whether aluminum or copper is used in an aluminum connector.

Position of Conductor: A properly designed aluminum connector for joining aluminum to copper must provide adequate separation between the conductors to prevent electrolytic attack on the aluminum conductor. Even then, it is good practice to install the aluminum conductor above the copper conductor if possible. This will prevent pitting of the aluminum conductor due to copper salts being washed over the aluminum.

Plated Aluminum Connectors: Plating has been used as a means to make an aluminum connector suitable for copper conductor. Such platings as copper, zinc, tin and cadmium have been used. The plating of aluminum is much more critical than plating a more noble metal such as copper. In addition, a preplate, usually of copper or brass, must be applied, thus introducing numerous metals and further possibilities for galvanic corrosion.

To be effective in reducing galvanic corrosion between the copper conductor and the aluminum connector, the plated metal must be closer in the Electrolytic Series to copper than is aluminum. It must therefore, be cathodic to aluminum. Since porosity and minor scratches are always present, galvanic action can be expected in the presence of moisture, resulting in attack of the aluminum under the plating. Corrosion tests reveal attack in the form of a mottled appearance and flaking of the plating.

In addition, the presence of plated metal can cause galvanic attack of the aluminum conductor, thus reducing the protection offered to this conductor in an aluminum connector.

Cleaning and the Use of Compound: It should be emphasized that when aluminum connectors or conductors are involved, proper cleaning of the aluminum and the use of a good connector compound, such as BURNDY PENETROX™ A, are essential for trouble-free service. BURNDY, as well as other manufacturers, provide the contact grooves with a coating to make it unnecessary to clean the connectors, but in all cases the aluminum conductor should be cleaned by means such as scratch brushing, and immediately coated with the connector compound.

To simplify the application of the compound, and to assure its use, almost all BURNDY aluminum connectors, except the large clamp type substation connectors, are supplied factory filled with PENETROX™ compound. For the tubular compression connectors, the tubular barrels are sufficiently filled with PENETROX™ and capped. For other types, the contact grooves are filled with PENETROX™ and enclosed in plastic packaging in a process called 'stripsealing'.

Clamp vs. Compression: In general, a compression connection can be expected to be more corrosion resistant than a clamp connection. The high pressures applied to a compression connector more effectively seal the contact against the penetration of moisture. The tubular sleeve of a compression connector has no side openings such as exist in clamp connectors between the clamping members. On the other hand, the clamp connector can be made more corrosion resistant if the conductor grooves conform more closely with the conductor contour. Thus a clamp connector made to accommodate a wide range of conductor sizes cannot be expected to be as corrosion resistant as one designed for one specific conductor size. Nevertheless, the differences in effectiveness of various designs can be minimized if a good contact compound is used.

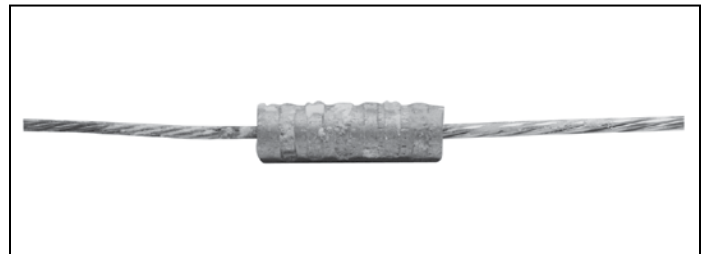


Figure 5

Negligible Corrosion of Severe Salt Spray on Compression Connector Joining Aluminum to Copper.

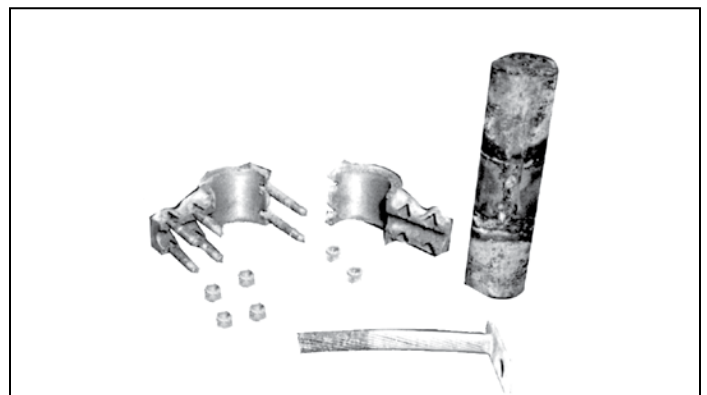


Figure 6

Large Aluminum Bolted Connector Joining Copper Run to Aluminum Tap After Severe Salt Spray Test.

HARDWARE DATA

Recommended Tightening Torque

The hardware used in connectors must be compatible with the connector material, have high mechanical strength and be corrosion resistant.

Copper alloy connectors have hardware made of DURIMUM™, which is the BURNDY trade name for silicon bronze alloy ASTM B99. This material was first introduced by BURNDY in 1927 for use in outdoor construction and today is the standard throughout the industry.

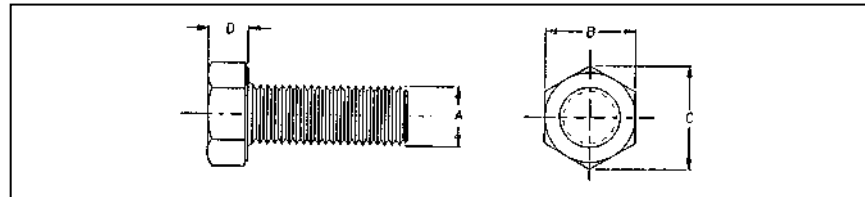
Aluminum connectors generally have aluminum alloy hardware. The bolts are 2024T4 and anodized to resist corrosion. The nuts are 6061T6, which is resistant to corrosion and does not require anodizing. Bolts are lubricated to eliminate galling and to provide consistent clamping forces.

The size material for clamping hardware are selected to provide the required force when tightened to the recommended torque. To reduce or greatly exceed the recommended torque can adversely affect the performance of the connector.

Steel Hardware	
Bolt Size	Recommended Torque (Inch Pounds)
1/4 - 20	80
5/16 - 18	180
3/8 - 16	240
1/2 - 13	480
5/8 - 11	660
3/4 - 10	1050

Aluminum Hardware	
Bolt Size	Recommended Torque (Inch Pounds)
1/2 - 13	300
5/8 - 11	480
3/4 - 10	650

DURIMUM™ (Silicon Bronze) Hexagonal Bolt Data



DURIMUM™ (Silicon Bronze) Hardware							
Catalog Number Series*	"A" Bolt Size	"B"	"C"	"D"	Recommended Torque (in-lb)**	Min. Breaking Force (lb)	Min. Shearing Force (lb)
25X__HEB	1/4 - 20	7/16	.50	.16	80	1,780	990
31X__HEB	5/16 - 18	1/2	.56	.21	180	2,930	1,640
38X__HEB	3/8 - 16	9/16	.65	.24	240	4,350	2,430
50X__HEB	1/2 - 13	3/4	.87	.32	480	7,950	4,460
62X__HEB	5/8 - 11	15/16	1.08	.40	660	12,700	7,100
75X__HEB	3/4 - 10	1-1/8	1.30	.48	1050	17,510	10,540

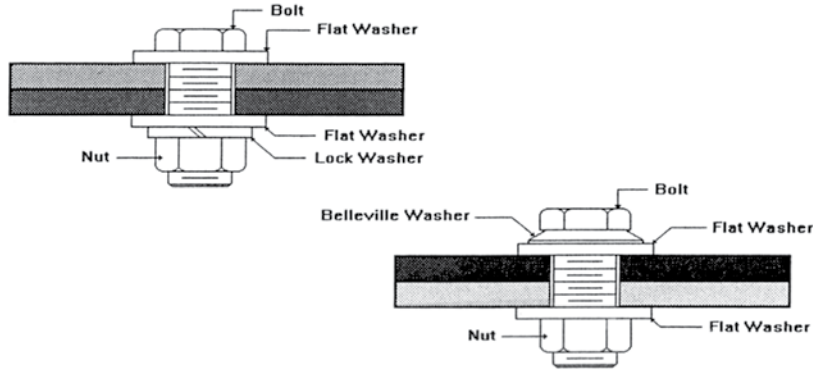
* ___ is substituted for bolt length; Consult sales representative for available lengths

**These torque values develop maximum bolt preload

This drawing is based on BURNDY engineering specification

HARDWARE DATA (continued)

Recommended Termination Hardware



Recommended Tightening Torque per UL486A & UL486B

Table 21 - Tightening torque for screws

Test Conductor Size Installed in Connector		Tightening Torque, N•m (lbf-in)							
		Slotted Head No. 10 and Larger*				Hexagonal Head - External Drive Socket Wrench			
		Slot Width - 1.2mm (.047 in) or Less and Slot Length - 6.4mm (1/4 in.) or less		Slot Width - Over 1.2mm (.047 in) or Slot Length - Over 6.4mm (1/4 in.)		Split-Bolt Connectors		Other Connectors	
AWG or kcmil	mm ²	A	B	A	B	A	B	A	B
30 - 10	.05 - 5.3	1.7 (15)	2.3 (20)	2.8 (25)	4.0 (35)	7.3 (65)	9.0 (80)	6.8 (60)	8.5 (75)
8	8.4	2.3 (20)	2.8 (25)	3.4 (30)	4.5 (40)	7.3 (65)	9.0 (80)	6.8 (60)	8.5 (75)
6 - 4	13.2 - 21.2	2.8 (25)	4.0 (35)	4.0 (35)	5.1 (45)	15.3 (135)	18.6 (165)	10.2 (90)	12.4 (110)
3	26.7	2.8 (25)	4.0 (35)	4.5 (40)	5.6 (50)	25.4 (225)	31.1 (275)	14.1 (125)	16.9 (150)
2	33.6	3.4 (30)	4.5 (40)	4.5 (40)	5.6 (50)	25.4 (225)	31.1 (275)	14.1 (125)	16.9 (150)
1	42.4	-	-	4.5 (40)	5.6 (50)	25.4 (225)	31.1 (275)	14.1 (125)	16.9 (150)
1/0 - 2/0	53.5 - 67.4	-	-	4.5 (40)	5.6 (50)	35.6 (315)	43.5 (385)	16.9 (150)	20.3 (180)
3/0 - 4/0	85.0 - 107.2	-	-	4.5 (40)	5.6 (50)	45.2 (400)	56.5 (500)	22.6 (200)	28.2 (250)
250 - 350	127 - 177	-	-	4.5 (40)	5.6 (50)	62.1 (550)	73.4 (650)	28.2 (250)	36.7 (325)
400	203	-	-	4.5 (40)	5.6 (50)	76.3 (675)	93.2 (825)	28.2 (250)	36.7 (325)
500	253	-	-	4.5 (40)	5.6 (50)	76.3 (675)	93.2 (825)	33.9 (300)	42.4 (375)
600 - 750	304 - 380	-	-	4.5 (40)	5.6 (50)	90.4 (800)	113.0 (1000)	33.9 (300)	42.4 (375)
800 - 1000	406 - 508	-	-	4.5 (40)	5.6 (50)	111.7 (900)	124.3 (1100)	45.2 (400)	56.5 (500)
1250 - 2000	635 - 1000	-	-	-	-	111.7 (900)	124.3 (1100)	56.5 (500)	67.8 (600)

* For values of slot width or length not corresponding to those specified, select the largest torque value associated with the conductor size. Slot width is the nominal design value. Slot length shall be measured at the bottom of the slot.

HARDWARE DATA (continued)

Recommended Tightening Torque per UL486A & UL486B

Table 22 - Tightening torque for slotted head screws smaller than No. 10 intended for use with 8 AWG (8.4 mm²) or smaller conductors

Slot Length of Screw*		Tightening Torque, N•m (lbf-in)			
		Slot Width of Screw Smaller than 1.2 mm (.047 in.) ^b		Slot Width of Screw 1.2mm (.047 in.) and larger**	
mm	inch	A	B	A	B
Less than 4	Less than 5/32	0.68 (6)	0.79 (7)	0.79 (7)	1.0 (9)
4	5/32	0.68 (6)	0.79 (7)	1.1 (10)	1.4 (12)
4.8	3/16	0.68 (6)	0.79 (7)	1.1 (10)	1.4 (12)
5.6	7/32	0.68 (6)	0.79 (7)	1.1 (10)	1.4 (12)
6.4	1/4	0.79 (7)	1.0 (9)	1.1 (10)	1.4 (12)
7.1	9/32	-	-	1.4 (12)	1.7 (15)
Above 7.1	Above 9/32	-	-	1.8 (16)	2.3 (20)

* For slot lengths of intermediate values, select torques pertaining to next shorter slot length.

Also see Table 21 for screws with multiple tightening means.

Slot length shall be measured at the bottom of the slot.

** Slot width is the nominal design value

Recommended Tightening Torque per UL486A & UL486B

Table 23 - Tightening torque for screws with recessed allen or square drives

Socket Width Across Flats*		Tightening Torque, N•m (lbf-in)	
mm	inch	A	B
3.2	1/8	4.0 (35)	5.1 (45)
4.0	5/32	9.0 (80)	11.3 (100)
4.8	3/16	11.3 (100)	13.6 (120)
5.6	7/32	13.6 (120)	16.9 (150)
6.4	1/4	16.9 (150)	25.4 (225)
7.9	5/16	25.4 (225)	33.9 (300)
9.5	3/8	33.9 (300)	45.2 (400)
12.7	1/2	45.2 (400)	56.6 (500)
14.3	9/16	56.6 (500)	67.8 (600)

* See Table 21 for screws with multiple tightening means

HARDWARE DATA (continued)

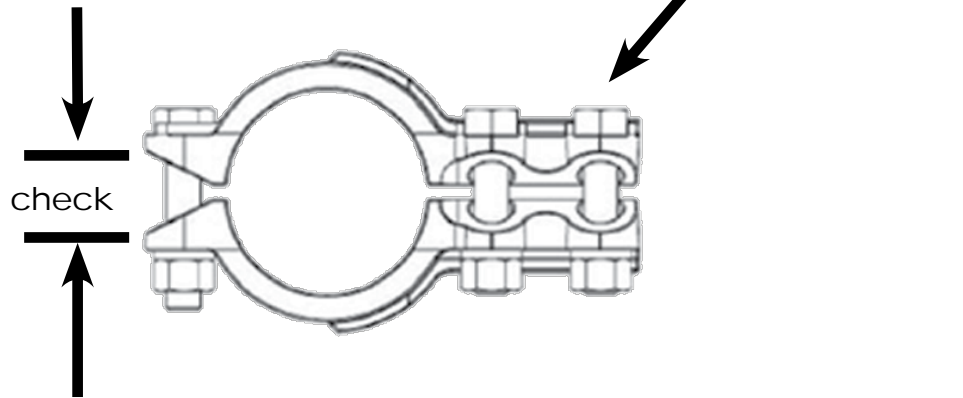
Recommended Clamping on Bolted Connectors:

When installing a bolted connector, an appropriate sequence needs to be followed.

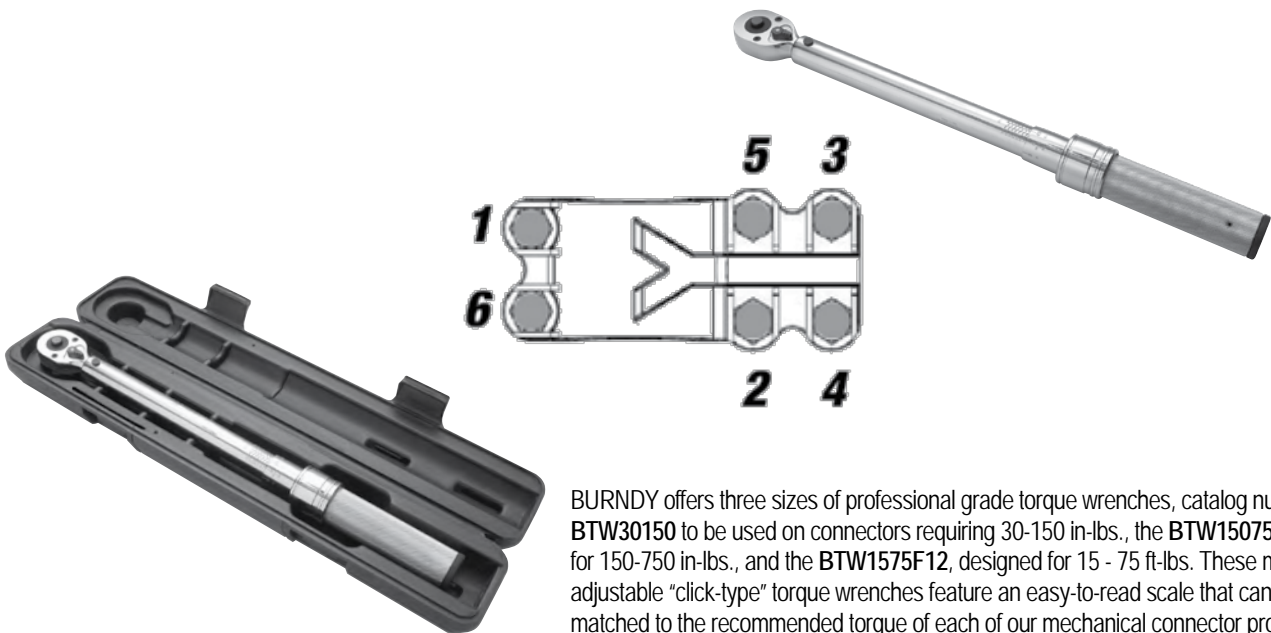
INSTALLATION INSTRUCTIONS:

1. Nuts need to be tightened up to 30% of expected torque.
2. A check needs to be done to ensure the clamping elements are even.

Even clamping elements



3. Tightening has to follow a sequence (1-6) as shown below. As a general rule, the torque has to be applied to the nut. For ease of installation most connectors are designed for one wrench installation. A torque wrench is recommended when tightening the nut to ensure the proper torque is applied.



BURNDY offers three sizes of professional grade torque wrenches, catalog number **BTW30150** to be used on connectors requiring 30-150 in-lbs., the **BTW150750**, designed for 150-750 in-lbs., and the **BTW1575F12**, designed for 15 - 75 ft-lbs. These micro-adjustable "click-type" torque wrenches feature an easy-to-read scale that can be easily matched to the recommended torque of each of our mechanical connector products. Calibration traceable to N.I.S.T.

CABLE DATA

Copper Tube (Bus)

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
STANDARD PIPE SIZES			
1/4"	0.540	0.375	0.082
3/8"	0.675	0.494	0.090
1/2"	0.840	0.625	0.107
3/4"	1.050	0.822	0.114
1"	1.315	1.062	0.126
1-1/4"	1.660	1.368	0.146
1-1/2"	1.900	1.600	0.150
2"	2.375	2.062	0.156
2-1/2"	2.875	2.500	0.187
3"	3.500	3.062	0.219
3-1/2"	4.000	3.500	0.250
4"	4.500	4.000	0.250
4-1/2"	5.000	4.500	0.250
5"	5.563	5.063	0.250
6"	6.625	6.125	0.250
EXTRA HEAVY PIPE SIZES			
1/4"	0.540	0.294	0.123
3/8"	0.675	0.421	0.127
1/2"	0.840	0.542	0.149
3/4"	1.050	0.736	0.157
1"	1.315	0.951	0.182
1-1/4"	1.660	1.272	0.194
1-1/2"	1.900	1.494	0.203
2"	2.375	1.933	0.221
2-1/2"	2.875	2.315	0.280
3"	3.500	2.892	0.304
3-1/2"	4.000	3.358	0.321
4"	4.500	3.818	0.341
4-1/2"	5.000	4.250	0.375
5"	5.563	4.813	0.375
6"	6.625	5.751	0.437

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
DOUBLE EXTRA HEAVY PIPE SIZES			
1/2"	0.840	0.252	0.294
3/4"	1.050	0.434	0.308
1"	1.315	0.599	0.358
1-1/4"	1.660	0.896	0.382
1-1/2"	1.900	1.100	0.400
2"	2.375	1.503	0.436
2-1/2"	2.875	1.771	0.552
3"	3.500	2.300	0.600
3-1/2"	4.000	2.728	0.636
4"	4.500	3.152	0.674
4-1/2"	5.000	3.580	0.710
5"	5.563	4.063	0.750
6"	6.625	4.897	0.864

Tube dimensions (excepting wall thickness of double extra heavy) taken from A.S.T.M. Specification B42-33.

Tubular values based on a density of 0.322 pound per cubic inch.

* Conductivity of 98% I.A.C.S. at 20° C or 68° F

CABLE DATA (continued)

Solid Copper Wire (ASTM B1, B2, & B3)

Size AWG (Solid)	Wire Dia (Inch)	Hard Drawn	Medium Drawn	Soft Drawn
		Normal Breaking Load (Pounds)	Minimum Breaking Load (Pounds)	Elongation in 10 in. % Min.
18	.040	85.8	67.6	25
17	.045	107.5	84.7	25
16	.050	135.2	106.2	25
15	.057	170.0	133.0	25
14	.064	213.8	166.6	25
13	.071	268.2	208.0	25
12	.080	337.0	261.6	25
11	.090	422.5	327.6	25
10	.101	529.2	410.4	25
9	.114	661.0	514.2	30
8	.128	826.0	643.9	30
7	.144	1,030.0	806.6	30
6	.162	1,280.0	1,010.0	30
5	.181	1,591.0	1,265.0	30
4	.204	1,970.0	1,584.0	30
3	.229	2,439.0	1,984.0	30
2	.257	3,003.0	2,450.0	30
1	.289	3,688.0	3,024.0	30
1/0	.324	4,519.0	3,730.0	35
2/0	.364	5,518.0	4,599.0	35
3/0	.409	6,722.0	5,667.0	35
4/0	.460	8,143.0	6,980.0	35

Compact Stranded Copper Cable (ASTM B496)

Conductor Size		Number of Wires	Conductor Dia (in)
KCMIL	AWG		
1000		61 ¹	1.060
900		61 ¹	0.999
800		61 ¹	0.938
750		61 ¹	0.908
700		61 ¹	0.877
650		61 ¹	0.845
600		61 ¹	0.813
550		61 ¹	0.775
500		37 ²	0.736
450		37 ²	0.700
400		37 ²	0.659
350		37 ²	0.616
300		37 ²	0.570
250		37 ²	0.520
	4/0	19 ³	0.475
	3/0	19 ³	0.423
	2/0	19 ³	0.376
	1/0	19 ³	0.336
	1	19 ³	0.299
	2	7	0.268
	4	7	0.213
	6	7	0.169
	8	7	0.134

¹ 58 Wires Minimum² 35 Wires Minimum³ 18 Wires Minimum

CABLE DATA

Stranded Copper Wire (ASTM B8 Excluding Breaking Loads)

Size		A.S.T.M. Strandings			Hard Drawn	Medium Drawn	Soft Drawn
Stranded		Class	No. of Wires	Cable Diameter (Inches)	Minimum Breaking Load (Pounds)		
Circular Mils	AWG						
1,022	20	B	7	0.036	50.0	40.67	32.1
1,624	18	B	7	0.045	79.0	63.91	51.0
2,583	16	B	7	0.057	124.7	100.4	81.1
4,107	14	B	7	0.072	197.1	157.7	124.2
6,530	12	B	7	0.091	311.1	247.7	197.5
10,380	10	B	7	0.116	491.7	388.9	314.0
13,090	9	B	7	0.130	618.2	487.4	395.9
16,510	8	B	7	0.146	777.2	610.7	499.2
20,820	7	B	7	0.164	977.1	765.2	629.5
26,250	6	B	7	0.184	1,288.0	958.6	793.8
33,100	5	B	7	0.206	1,542.0	1,201.0	1,001.0
41,740	4	AA	3	0.254	1,879.0	1,465.0	1,213.0
41,740	4	B&A	7	0.232	1,938.0	1,505.0	1,262.0
52,630	3	AA	3	0.285	2,359.0	1,835.0	1,530.0
52,630	3	B&A	7	0.260	2,433.0	1,885.0	1,592.0
66,370	2	AA	3	0.320	2,913.0	2,299.0	1,929.0
66,370	2	B&A	7	0.292	3,045.0	2,361.0	2,007.0
83,690	1	AA	3	0.360	3,621.0	2,879.0	2,432.0
83,690	1	A	7	0.328	3,804.0	2,958.0	2,432.0
83,690	1	B	19	0.332	3,899.0	3,037.0	2,531.0
105,500	1/0	A&A	7	0.368	4,752.0	3,705.0	3,067.0
105,500	1/0	-	12	0.390	4,841.0	3,755.0	3,191.0
105,500	1/0	B	19	0.373	4,901.0	3,805.0	3,191.0
133,100	2/0	A&A	7	0.414	5,926.0	4,640.0	3,867.0
133,100	2/0	-	12	0.438	6,048.0	4,703.0	3,867.0
133,100	2/0	B	19	0.419	6,152.0	4,765.0	4,024.0
167,800	3/0	A&A	7	0.464	7,366.0	5,812.0	4,876.0
167,800	3/0	-	12	0.492	7,556.0	5,890.0	4,876.0
167,800	3/0	B	19	0.470	7,698.0	5,970.0	5,074.0
211,600	4/0	A&A	7	0.522	9,154.0	7,278.0	6,149.0
211,600	4/0	-	12	0.522	9,483.0	7,378.0	6,149.0
211,600	4/0	B	19	0.528	9,617.0	7,479.0	6,149.0

CABLE DATA

Stranded Copper Wire (ASTM B8 Excluding Breaking Loads) continued)

Size	A.S.T.M. Strandings			Hard Drawn	Medium Drawn	Soft Drawn
Circular Mills	Class	No. of Wires	Cable Diameter (Inches)	Minimum Breaking Load (Pounds)		
250 kcmil	AA	12	0.600	11,130	8,717	7,265
250 kcmil	A	19	0.574	11,360	8,986	7,265
250 kcmil	B	37	0.575	11,560	8,952	7,559
300 kcmil	AA	12	0.657	13,170	10,390	8,718
300 kcmil	A	19	0.628	13,510	10,530	8,718
300 kcmil	B	37	0.630	13,870	10,740	9,071
350 kcmil	AA	12	0.710	15,140	12,040	10,170
350 kcmil	A	19	0.679	15,590	12,200	10,170
350 kcmil	B	37	0.681	16,060	12,450	10,580
400 kcmil	A&AA	19	0.726	17,810	13,950	11,620
400 kcmil	B	37	0.728	18,320	14,140	11,620
450 kcmil	AA	19	0.770	19,750	15,590	13,080
450 kcmil	B&A	37	0.772	20,450	15,900	13,080
500 kcmil	AA	19	0.811	21,950	17,320	14,530
500 kcmil	B&A	37	0.813	22,510	17,550	14,530
600 kcmil	A&AA	37	0.891	27,020	21,060	17,440
600 kcmil	B	61	0.893	27,530	21,350	18,140
700 kcmil	AA	37	0.963	31,170	24,410	20,340
700 kcmil	B&A	61	0.964	31,820	24,740	20,340
750 kcmil	AA	37	0.997	33,400	26,150	21,790
750 kcmil	B&A	61	0.998	34,090	26,510	21,790
800 kcmil	AA	37	1.029	35,120	27,710	23,250
800 kcmil	B&A	61	1.031	36,360	28,270	23,250
900 kcmil	AA	37	1.092	39,510	31,170	26,150
900 kcmil	B&A	61	1.094	40,520	31,590	26,150
1000 kcmil	AA	37	1.151	43,830	34,400	29,060
1000 kcmil	B&A	61	1.152	45,030	35,100	29,060
1250 kcmil	A	61	1.288	55,670	43,590	36,320
1250 kcmil	B	91	1.289	56,280	43,880	36,320
1500 kcmil	A	61	1.411	65,840	51,950	43,590
1500 kcmil	B	91	1.412	67,540	52,650	43,590
1750 kcmil	A	91	1.526	77,930	61,020	50,850
1750 kcmil	B	127	1.526	78,800	61,430	50,850
2000 kcmil	A	91	1.630	87,790	69,270	58,120
2000 kcmil	B	127	1.632	90,050	70,210	58,120

CABLE DATA

Flexible Copper Stranded Cable

Conductor Size kcmil or B & S G (AWG)	# Strands	Strand Diameter	Nominal Diameter	Class
8	41	.0201	.156	I
8	49	.0184	.166	G
8	133	.0111	.167	H
8	168	.010	.157	K
8	420	.0063	.162	M
7	49	.0206	.185	G
7	52	.0201	.185	I
7	133	.0125	.188	H
7	210	.010	.179	K
7	532	.0063	.196	M
6	49	.0231	.208	G
6	63	.0201	.207	I
6	133	.0140	.210	H
6	266	.010	.210	K
6	665	.0063	.215	M
5	49	.0260	.234	G
5	84	.0201	.235	I
5	133	.0158	.237	H
5	336	.010	.235	K
5	836	.0063	.240	M
4	49	.0292	.263	G
4	105	.0201	.263	I
4	133	.0177	.266	.H
4	420	.010	.272	K
4	1064	.0063	.269	M
3	49	.0328	.295	G
3	133	.0199	.299	I
3	133	.0201	.291	H
3	532	.010	.304	K
3	1323	.0063	.305	M
2	49	.0368	.331	G
2	133	.0223	.335	I
2	161	.0201	.319	H
2	665	.010	.338	K
2	1666	.0063	.337	M
1	133	.0251	.377	G
1	210	.0201	.367	I
1	259	.018	.378	H
1	836	.010	.397	K
1	2107	.0063	.376	M
1/0	133	.0282	.423	I
1/0	259	.0202	.424	G
1/0	266	.0201	.441	H
1/0	1064	.010	.451	K
1/0	2646	.0063	.423	M

Conductor Size kcmil or B & S G (AWG)	# Strands	Strand Diameter	Nominal Diameter	Class
2/0	133	.0316	.474	G
2/0	259	.0227	.477	I
2/0	342	.0201	.500	H
2/0	1323	.010	.470	K
2/0	3325	.0063	.508	M
3/0	133	.0355	.533	G
3/0	259	.0255	.536	I
3/0	418	.0201	.549	H
3/0	1666	.010	.533	K
3/0	4256	.0063	.576	M
4/0	133	.0399	.599	G
4/0	259	.0286	.601	I
4/0	532	.0201	.613	H
4/0	2107	.010	.627	K
4/0	5320	.0063	.645	M
250	259	.0311	.650	G
250	427	.0242	.653	I
250	637	.0201	.682	.H
250	2499	.010	.682	K
250	6384	.0063	.713	M
300	259	.0340	.714	G
300	427	.0265	.716	I
300	735	.0201	.737	H
300	2989	.010	.768	K
300	7581	.0063	.768	M
350	259	.0368	.773	G
350	427	.0286	.772	I
350	882	.0201	.800	H
350	3458	.010	.809	K
350	8806	.0063	.825	M
400	259	.0393	.825	G
400	427	.0306	.826	I
400	980	.0201	.831	H
400	3990	.010	.878	K
400	10101	.0063	.901	M
450	259	.0417	.876	I
450	427	.0325	.878	G
450	1127	.0201	.894	H
450	4522	.010	.933	K
450	11396	.0063	.940	M
500	259	.0439	.922	G
500	427	.0342	.923	I
500	1225	.0201	.941	H
500	5054	.010	.988	K
500	12691	.0063	.997	M

CABLE DATA

Flexible Copper Stranded Cable (continued)

Conductor Size kcmil or B & S G (AWG)	# Strands	Strand Diameter	Nominal Diameter	Class
600	427	.0375	1.013	G
600	703	.0292	1.022	I
600	1470	.0201	1.027	H
600	5985	.010	1.125	K
600	14945	.0063	1.084	M
700	427	.0405	1.094	G
700	703	.0316	1.106	I
700	1729	.0201	1.194	H
700	6916	.010	1.207	K
700	17507	.0063	1.183	M
800	427	.0433	1.169	G
800	703	.0337	1.180	I
800	1995	.0201	1.290	H
800	7980	.010	1.305	K
800	20069	.0063	1.256	M
900	427	.0459	1.239	G
900	703	.0358	1.253	I
900	2261	.0201	1.372	H
900	9065	.010	1.323	K
900	22631	.0063	1.331	M
1000	427	.0484	1.307	G
1000	703	.0377	1.320	I
1000	2527	.0201	1.427	H
1000	10101	.010	1.419	K
1000	25193	.0063	1.404	M

Aluminum Tube

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
STANDARD PIPE SIZES			
1/4"	0.540	0.364	0.088
3/8"	0.675	0.493	0.091
1/2"	0.840	0.622	0.109
3/4"	1.050	0.824	0.113
1"	1.315	1.049	0.133
1-1/4"	1.660	1.380	.0.140
1-1/2"	1.900	1.610	0.145
2"	2.375	2.067	0.154
2-1/2"	2.875	2.469	0.203
3"	3.500	3.068	0.213
3-1/2"	4.000	3.548	0.226
4"	4.500	4.026	0.237
4-1/2"	5.000	4.506	0.247
5"	5.563	5.047	0.258
6"	6.625	6.065	0.280
EXTRA HEAVY PIPE SIZES			
1/4"	0.540	0.302	0.119
3/8"	0.675	0.423	0.126
1/2"	0.840	0.546	0.147
3/4"	1.050	0.742	0.154
1"	1.315	0.957	0.179
1-1/4"	1.660	1.278	0.191
1-1/2"	1.900	1.500	0.200
2"	2.375	1.939	0.218
2-1/2"	2.875	2.323	0.276
3"	3.500	2.900	0.300
3-1/2"	4.000	3.364	0.318
4"	4.500	3.826	0.337
4-1/2"	5.000	4.290	0.355
5"	5.563	4.813	0.375
6"	6.625	5.761	0.432

CABLE DATA

Aluminum 1350 Cable Bare - Classes AA and A - Hard Drawn

Cable Code Word	Size (circular mils or AWG)	Copper Equivalent based on equal D.C. resistance, Cu 97% Al 61%	# of Wires	Cable Dia. (inches)	Ultimate Strength (pounds)
Peachbell	6	8	7	0.184	528
Rose	4	6	7	0.232	826
Lily	3	5	7	0.260	1022
Iris	2	4	7	0.292	1266
Pansy	1	3	7	0.328	1537
Poppy	1/0	2	7	0.368	1865
Aster	2/0	1	7	0.414	2350
Phlox	3/0	1/0	7	0.464	2845
Oxlip	4/0	2/0	7	0.522	3590
Daisy	266800	3/0	7	0.586	4525
Laurel	266800	3/0	19	0.593	4800
Tulip	336400	4/0	19	0.666	5940
Canna	397500	250000	19	0.724	6880
Cosmos	477000	300000	19	0.793	8090
Syringa	477000	300000	37	0.795	8600
Dahlia	556500	350000	19	0.856	9440
Mistletoe	556500	350000	37	0.858	9830
Orchid	636000	400000	37	0.918	11240
Violet	715500	450000	37	0.974	12640
Nasturtium	715500	450000	61	0.975	13150
Arbutus	795000	500000	37	1.026	13770
Lilac	795000	500000	61	1.028	14330
Anemone	874500	550000	37	1.077	14830
Crocus	874500	550000	61	1.078	15760
Magnolia	954000	600000	37	1.124	16180
Goldenrod	954000	600000	61	1.126	16860
Bluebell	1033500	650000	37	1.170	17530
Larkspur	1033500	650000	61	1.172	18260
Marigold	1113000	700000	61	1.216	19660
Narcissus	1272000	800000	61	1.300	22000
Carnation	1431000	900000	61	1.379	24300
Coreopsis	1590000	1000000	61	1.454	27000
Dogwood	1590000	1000000	91	1.454	28100

CABLE DATA

Aluminum 1350 Cable (Bare - Class B)

Size (circular mils or AWG)	Copper Equivalent based on equal D.C. resistance, Cu 97% Al 61%	# of Wires	Cable Dia. (inches)	Ultimate Strength (pounds) Hard Drawn	Minimum Ultimate Strength (pounds) 3/4 Hard	Minimum Ultimate Strength (pounds) Inter Temper
250000	157300	37	0.575	4860	3338	2946
300000	188800	37	0.629	5831	4005	3534
350000	220200	37	0.681	6680	4673	4123
400000	251500	37	0.728	7352	5341	4713
450000	283000	37	0.772	8110	6007	5301
500000	314500	37	0.813	9012	6675	5890
550000	346000	61	0.855	10490	7344	6480
600000	377000	61	0.893	11450	8010	7068
650000	409000	61	0.929	11940	8678	7657
700000	440000	61	0.964	12860	9346	8247
750000	472000	61	0.998	13510	10010	8835
800000	503000	61	1.031	14410	10680	9424
900000	566000	61	1.094	15900	12010	10600
1000000	629000	61	1.152	17670	13350	11780
1100000	692000	91	1.209	20210	14680	12950
1200000	755000	91	1.263	21630	16020	14130
1250000	786000	91	1.289	22530	16690	14720
1300000	818000	91	1.315	23430	17350	15310
1400000	880000	91	1.364	24750	18700	16500
1500000	943000	91	1.412	26500	20020	17670
1600000	1006000	127	1.459	28840	21360	18850
1700000	1069000	127	1.504	30630	22690	20020
1750000	1101000	127	1.526	31530	23350	20610
1800000	1132000	127	1.548	32450	24030	21210
1900000	1195000	127	1.590	33570	25360	22380
2000000	1258000	127	1.632	35340	26700	23560
2500000	1570000	127	1.824	43300	33380	29460
3000000	1890000	169	1.998	53010	40050	35340
3500000	2200000	169	2.158	60610	46730	41230

CABLE DATA

ACSR

Cable Code Word	Size (circular mils or AWG)	No. Alum Strands	No. Steel Strands	Complete Cable Dia. (inches)	Steel Core Dia. (inches)	Copper Equiv. based on equal D.C. resistance, Cu 97% Al 61%	Ultimate Strength (pounds)
Turkey	6	6	1	0.198	0.0661	8	1170
Thrush	5	6	1	0.223	0.0743	7	1460
Swan	4	6	1	0.250	0.0834	6	1830
Swanate	4	7	1	0.257	0.1029	6	2288
Swallow	3	6	1	0.281	0.0937	5	2250
Sparrow	2	6	1	0.316	0.1052	4	2790
Sparate	2	7	1	0.325	0.1299	4	3525
Robin	1	6	1	0.355	0.1182	3	3480
Raven	1/0	6	1	0.398	0.1327	2	4280
Quail	2/0	6	1	0.447	0.1490	1	5345
Pigeon	3/0	6	1	0.502	0.1672	1/0	6675
Penguin	4/0	6	1	0.563	0.1878	2/0	8420
Waxwing	266800	18	1	0.609	0.1217	3/0	7100
Owl	266800	26	7	0.633	0.2109	3/0	9645
Partridge	266800	26	7	0.642	0.2364	3/0	11250
Ostrich	300000	26	7	0.680	0.2505	188700	12650
Merlin	336400	18	1	0.684	0.1367	4/0	8950
Linnet	336400	26	7	0.721	0.2655	4/0	14050
Oriole	336400	30	7	0.741	0.3177	4/0	17040
Chickadee	397500	18	1	0.743	0.1486	250000	10400
Brant	397500	24	7	0.771	0.2575	250000	14690
Ibis	397500	26	7	0.783	0.2883	250000	16190
Lark	397500	30	7	0.806	0.3453	250000	19980
Pelican	477000	18	1	0.814	0.1628	300000	12300
Flicker	477000	24	7	0.846	0.2820	300000	17200
Hawk	477000	26	7	0.858	0.3162	300000	19430
Hen	477000	30	7	0.883	0.3783	300000	23300
Parakeet	556500	24	7	0.914	0.3045	350000	19850
Dove	556500	26	7	0.927	0.341	350000	22400
Eagle	556500	30	7	0.953	0.409	350000	27200
Peacock	605000	24	7	0.953	0.318	380500	21500
Squab	605000	26	7	0.966	0.356	380500	24100
Teal	605000	30	19	0.994	0.426	380500	30000
Rook	636000	24	7	0.977	0.326	400000	22600
Grosbeak	636000	26	7	0.990	0.365	400000	25000
Egret	636000	30	19	1.019	0.437	400000	31500
Flamingo	666600	24	7	1.000	0.333	419000	23700
Crow	715500	54	7	1.036	0.345	450000	26300
Starling	715500	26	7	1.051	0.387	450000	28100
Redwing	715500	30	19	1.081	0.463	450000	34600
Condor	795000	54	7	1.093	0.364	500000	28500
Drake	795000	26	7	1.108	0.408	500000	31200
Mallard	795000	30	19	1.140	0.489	500000	38400

CABLE DATA

ACSR (continued)

Cable Code Word	Size (circular mils or AWG)	No. Alum Strands	No. Steel Strands	Complete Cable Dia. (inches)	Steel Core Dia. (inches)	Copper Equiv. based on equal D.C. resistance, Cu 97% Al 61%	Ultimate Strength (pounds)
Crane	874500	54	7	1.146	0.382	550000	31400
Canary	900000	54	7	1.162	0.387	566000	32300
Cardinal	954000	54	7	1.196	0.399	600000	34200
Curlew	1033500	54	7	1.246	0.415	650000	37100
Finch	1113000	54	19	1.293	0.431	700000	40200
Pheasant	1272000	54	19	1.382	0.461	800000	44800
Plover	1431000	54	19	1.465	0.489	900000	50400
Falcon	1590000	54	19	1.545	0.515	100000	56000

High Strength ACSR

Cable Code Word	Size (circular mils or AWG)	No. Alum Strands	No. Steel Strands	Complete Cable Dia. (inches)	Steel Core Dia. (inches)	Copper Equivalent based on equal D.C. resistance, Cu 97% Al 61%	Ultimate Strength (pounds)
Grouse	80000	8	1	0.367	0.1670	50310	5200
Petrel	101800	12	7	0.461	0.2763	64160	9860
Minorca	110800	12	7	0.481	0.2883	69700	10730
Leghorn	134600	12	7	0.530	0.3177	84600	12920
Guinea	159000	12	7	0.576	0.3453	100000	15200
Dotterel	176900	12	7	0.607	0.3642	111200	16440
Dorking	190800	12	7	0.631	0.3783	120000	17730
Cochin	211300	12	7	0.663	0.3981	132900	19640
Brahma	203200	16	9	0.714	0.4885	127800	27500

Compact Aluminum 1350 Cable (ASTM B400) Extra Hard

Conductor Size		Class	No. of Wires	Cable Dia. (Inches)	Breaking Strength (pounds)
kcmil	AWG				
1000		B	61 ¹	1.060	17700
900		B	61 ¹	0.999	15900
800		B	61 ¹	0.938	14400
750		B	61 ¹	0.908	13500
700		B	61 ¹	0.877	12900
650		B	61 ¹	0.845	11900
600		B	61 ¹	0.813	11500
556		AA	19 ³	0.780	9750
550		B	61 ¹	0.775	10500
500		B	37 ²	0.736	9110
500		AA	19 ³	0.736	8760
477		AA	19 ³	0.722	8360
450		B	37 ²	0.700	8200
400		B	37 ²	0.659	7440
397		AA, A	19 ³	0.659	7110
350		B	37 ²	0.616	6760
350		A	19 ³	0.616	6390
336		A	19 ³	0.603	6150
336		AA	7	0.603	5960
300		B	37 ²	0.570	5890
300		A	19 ³	0.570	5480
300		AA	7	0.570	5430

Conductor Size		Class	No. of Wires	Cable Dia. (Inches)	Breaking Strength (pounds)
kcmil	AWG				
266		A	19 ³	0.537	4970
266		AA	7	0.537	4830
250		B	37 ²	0.520	4910
250		A	19 ³	0.520	4660
250		AA	7	0.520	4520
	4/0	B	19 ³	0.475	4020
	4/0	AA, A	7	0.475	3830
	3/0	B	19 ³	0.423	3310
	3/0	AA, A	7	0.423	3040
	2/0	B	19 ³	0.376	2670
	2/0	AA, A	7	0.376	2510
	1/0	B	19 ³	0.336	2160
	1/0	AA, A	7	0.336	1990
	1	B	19 ³	0.299	1740
	1	AA, A	7	0.299	1640
	2	AA, A, B	7	0.268	1350
	3	A, B	7	0.238	1090
	4	A, B	7	0.213	.881
	6	A, B	7	0.169	.563
	8	A, B	7	0.134	.312

CABLE DATA

Aluminum Alloy 5005 Cable (ASTM B397)

Conductor Size cmil	Number of Wires	Approx. Aluminum 1350 Size having Equivalent Resistance		Size & Stranding of ACSR with Equal Diameter			Rated Strength (pounds)
		cmil	AWG	cmil	AWG	Stranding	
927200	37	795000	-	795000	-	26/7	23900
740800	37	636000	-	636000	-	26/7	19300
652400	19	556500	-	556500	-	26/7	16200
587200	19	506500	-	506500	-	18/1	14600
559500	19	477000	-	477000	-	26/7	13900
503600	19	435500	-	435500	-	18/1	12500
465400	19	397500	-	397500	-	26/7	12200
419400	19	362000	-	362000	-	18/1	11200
394500	19	336400	-	336400	-	26/7	10500
355100	19	306400	-	306400	-	18/1	9600
312800	19	266800	-	266800	-	26/7	8450
281400	19	242900	-	242900	-	18/1	7610
246900	7	211600	4/0	211600	4/0	6/1	6330
195700	7	167800	3/0	167800	3/0	6/1	5020
155400	7	133100	2/0	133100	2/0	6/1	4280
123300	7	105600	1/0	105600	1/0	6/1	3440
77470	7	66360	2	66360	2	6/1	2200
48690	7	41740	4	41740	4	6/1	1430
30580	7	26240	6	26240	6	6/1	922

Aluminum Alloy 6201 Cable (ASTM B399)

Conductor Size cmil	Number of Wires	Approx. Aluminum 1350 Size having Equivalent Resistance		Size & Stranding of ACSR with Equal Diameter			Rated Strength (pounds)
		cmil	AWG	cmil	AWG	Stranding	
1439200	61	1272000	-	1272000	-	54/7	46800
1348800	61	1192500	-	1192500	-	54/7	43900
1259600	61	1113000	-	1113000	-	54/7	41000
1165100	61	1033500	-	1033500	-	54/7	37900
1077400	61	954000	-	954000	-	54/7	35000
927200	37	795000	-	795000	-	26/7	30500
740800	37	636000	-	636000	-	26/7	24400
652400	19	556500	-	556500	-	26/7	21900
559500	19	477000	-	477000	-	26/7	18800
465400	19	397500	-	397500	-	26/7	15600
394500	19	336400	-	336400	-	26/7	13300
312800	19	266800	-	266800	-	26/7	11000
246900	7	211600	4/0	211600	4/0	6/1	8560
195700	7	167800	3/0	167800	3/0	6/1	6790
155400	7	133100	2/0	133100	2/0	6/1	5390
123300	7	105600	1/0	105600	1/0	6/1	4460
77470	7	66360	2	66360	2	6/1	2800
48690	7	41740	4	41740	4	6/1	1760
30580	7	26240	6	26240	6	6/1	1110

CABLE DATA

Aluminum Alloy 8000 Series "O" Temper Cable (ASTM B801)

Conductor Size		Number of Wires†	Class	Conductor Diameter (inches)			Min. Breaking Strength (pounds)
kcmil	AWG			Conventional	Compressed	Compact	
1000		127	D	1.153	1.119	1.060	6010
1000		91	C	1.153	1.118	1.060	6010
1000		61	B, A	1.152	1.117	1.060	6010
900		127	D	1.095	1.062	0.999	5400
900		91	C	1.093	1.060	0.999	5400
900		61	B, A	1.093	1.060	0.999	5400
800		127	D	1.032	1.001	0.938	4800
800		91	C	1.032	1.001	0.938	4800
800		61	B, A	1.031	1.000	0.938	4800
750		127	D	0.998	0.968	0.908	4500
750		91	C	0.999	0.969	0.908	4500
750		61	B, A	0.998	0.938	0.908	4500
700		127	D	0.965	0.936	0.877	4200
700		91	C	0.965	0.936	0.877	4200
700		61	B, A	0.964	0.935	0.877	4200
650		127	D	0.930	0.902	0.845	3900
650		91	C	0.930	0.902	0.845	3900
650		61	B	0.929	0.901	0.845	3900
650		37	A	0.928	0.900	0.845	3950
600		127	D	0.893	0.866	0.813	3600
600		91	C	0.893	0.866	0.813	3600
600		61	B	0.893	0.866	0.813	3600
600		37	A	0.891	0.864	0.813	3640
556		127	D	0.861	0.835	0.780	3340
556		91	C	0.860	0.834	0.780	3340
556		61	B	0.860	0.834	0.780	3340
556		37	A	0.858	0.832	0.780	3380
550		127	D	0.855	0.829	0.775	3300
550		91	C	0.855	0.829	0.775	3300
550		61	B	0.855	0.829	0.775	3300
550		37	A	0.853	0.827	0.775	3340
500		91	D	0.815	0.791	0.736	3000
500		61	C	0.815	0.791	0.736	3000
500		37	B, A	0.813	0.789	0.736	3040
477		91	D	0.796	0.772	0.722	2860
477		61	C	0.796	0.772	0.722	2860
477		37	B, A	0.795	0.771	0.722	2900
450		91	D	0.773	0.750	0.700	2700
450		61	C	0.773	0.750	0.700	2700
450		37	B, A	0.772	0.749	0.700	2730
400		91	D	0.729	0.707	0.659	2400
400		61	C	0.729	0.707	0.659	2400
400		37	B, A	0.728	0.706	0.659	2430
397		91	D	0.727	0.705	0.659	2390
397		61	C	0.726	0.704	0.659	2390
397		37	B	0.725	0.703	0.659	2410
397		19	A	0.724	0.702	0.659	2470

CABLE DATA

Aluminum Alloy 8000 Series "O" Temper Cable (ASTM B801) (Continued)

Conductor Size		Number of Wires†	Class	Conductor Diameter (inches)			Min. Breaking Strength (pounds)
kcmil	AWG			Conventional	Compressed	Compact	
350		91	D	0.682	0.661	0.616	2100
350		61	C	0.681	0.661	0.616	2100
350		37	B	0.681	0.661	0.616	2130
350		19	A	0.679	0.659	0.616	2170
336		61	C	0.669	.0649	0.603	2020
336		37	B	0.668	0.648	0.603	2040
336		19	A	0.666	0.646	0.603	2090
300		61	C	0.631	0.612	0.570	1800
300		37	B	0.630	0.611	0.570	1820
300		19	A	0.629	0.610	0.576	1860
266		61	C	0.595	0.577	0.537	1600
266		37	B	0.594	0.576	0.537	1620
266		19	A	0.593	0.575	0.537	1660
250		61	C	0.576	0.559	0.520	1500
250		37	B	0.575	0.558	0.520	1520
250		19	A	0.574	0.557	0.520	1550
	4/0	37	C	0.529	0.513	0.475	1280
	4/0	19	B	0.528	0.512	0.475	1310
	4/0	7	A	0.522	0.506	0.475	1360
	3/0	37	C	0.471	0.457	0.423	1020
	3/0	19	B	0.470	0.456	0.423	1040
	3/0	7	A	0.464	0.450	0.423	1070
	2/0	19	B	0.419	0.406	0.376	826
	2/0	7	A	0.414	0.402	0.376	853
	1/0	19	B	0.373	0.362	0.336	655
	1/0	7	A	0.368	0.357	0.336	676
	1	19	B	0.332	0.322	0.229	519
	2	7	B, A	0.292	0.283	0.268	425
	3	7	B, A	0.260	0.252	0.238	337
	4	7	B, A	0.232	0.225	0.213	267
	6	7	B, A	0.184	0.178	0.169	168
	8	7	B, A	0.146	0.142	0.134	106

† For compact-stranded constructions, the number of wires may be reduced as follows:

19-Wire Constructions - 18 Wires Minimum

61-Wire Constructions - 58 Wires Minimum

127-Wire Constructions - 122 Wires Minimum

37-Wire Constructions - 35 Wires Minimum

91-Wire Constructions - 87 Wires Minimum

CABLE DATA

Compact ACSR (ASTM B401)

Conductor Size		Cable Diameter (Inches)	Breaking Strength (pounds)
kcmil	AWG		
336.4		0.628	8260
266.8		0.559	6540
	4/0	0.517	7420
	3/0	0.461	5880
	2/0	0.410	4880
	1/0	0.365	3980
	1	0.326	3290
	2	0.298	3260
	2	0.290	2640
	3	0.258	2130
	4	0.236	2160
	4	0.229	1760
	6	0.182	1120

ACSR/TW (Trap Wire) Cable (ASTM B779)

Conductor Size kcmil	Stranding		Nominal Diameter (inches)	Rated Strength (pounds)
	No. Aluminum Wires	No. Steel Wires		
336.4	14	1	0.63	8600
405.1	14	1	0.68	10200
477.0	18	7	0.78	17200
477.0	18	7	0.79	19400
556.5	18	7	0.84	20000
556.5	20	7	0.85	22600
565.3	20	7	0.86	22900
571.7	18	7	0.85	20600
636.0	27	1	0.85	13500
636.0	18	7	0.89	22900
636.0	20	7	0.91	25400
664.8	20	7	0.93	26600
666.6	20	7	0.91	24000
762.8	20	7	0.99	30500
768.2	20	7	0.98	27700
768.9	27	1	0.93	16400
795.0	17	7	0.96	21000
795.0	18	7	0.98	25900
795.0	20	7	0.99	28200
795.0	20	7	1.01	31800
946.7	35	7	1.08	29600
954.0	30	7	1.05	23700
954.0	32	7	1.06	25900
954.0	20	7	1.08	33500
957.2	32	7	1.06	26000
959.6	22	7	1.11	37000
966.2	21	7	1.09	34000

Conductor Size kcmil	Stranding		Nominal Diameter (inches)	Rated Strength (pounds)
	No. Aluminum Wires	No. Steel Wires		
1033.5	30	7	1.09	25700
1033.5	32	7	1.10	28100
1033.5	21	7	1.13	36300
1113.0	30	7	1.13	27500
1113.0	33	7	1.14	30000
1113.0	38	19	1.19	39100
1158.0	33	7	1.17	31600
1158.4	25	7	1.20	39600
1168.1	30	7	1.16	28900
1192.5	30	7	1.17	29500
1192.5	33	7	1.18	32400
1192.5	38	19	1.22	41900
1233.6	38	19	1.25	42900
1257.1	35	7	1.21	34200
1272.0	30	7	1.20	31400
1272.0	35	7	1.22	34600
1272.0	39	19	1.26	44100
1334.6	39	19	1.29	46300
1351.5	35	7	1.26	36700
1351.4	39	19	1.30	46800
1359.7	36	7	1.26	36900
1372.5	30	7	1.25	33400
1431.0	36	7	1.29	38900
1431.0	39	19	1.34	49600
1433.6	39	19	1.34	49700
1455.3	36	7	1.30	39200
1467.8	33	7	1.29	35800

CABLE DATA

ACSR/TW (Trap Wire) Cable (ASTMB779)

Conductor Size kcmil	Stranding		Nominal Diameter (Inches)	Rated Strength (pounds)
	No. Aluminum Wires	No. Steel Wires		
1533.3	39	19	1.38	53200
1557.4	36	7	1.35	41900
1569.0	33	7	1.33	38200
1590.0	36	7	1.36	42200
1590.0	42	19	1.41	55100
1622.0	39	19	1.42	57500
1657.4	36	7	1.39	44000
1730.6	39	19	1.47	59400
1758.6	37	19	1.47	34600
1780.0	37	19	1.45	50700
1926.9	42	19	1.55	65300
1949.6	42	7	1.50	51900
2153.8	64	19	1.60	61100
2156.0	64	19	1.61	61100
2627.3	64	19	1.76	74500

AAC/TW (ALL ALUMINUM TRAP WIRE) (ASTM B778)

Conductor Size kcmil	Nominal Diameter (inches)	Number of Wires	Rated Strength (pounds)
336.4	0.612	17	6220
397.5	0.661	17	7230
477.0	0.720	17	8530
500.0	0.736	17	8940
556.5	0.775	17	9950
600.0	0.803	17	10700
636.0	0.825	17	11400
700.0	0.864	17	12500
750.0	0.893	17	13400
795.0	0.919	17	13900
900.0	0.990	31	15800
954.0	1.018	31	16700
1000.0	1.041	31	17500
1033.5	1.057	31	18100
1113.0	1.095	31	19500
1192.5	1.132	31	20900
1272.0	1.168	31	22300
1351.5	1.202	31	23700
1431.0	1.236	31	24600
1590.0	1.315	49	27300
1750.0	1.377	49	30000
2000.0	1.468	49	34300

CABLE DATA

ACAR Cable (ASTM B524)

Conductor Size		Number of Wires	Nominal Outside Diameter (inches)
kcmil	AWG		
2000		91	1.630
2000		61	1.630
1900		61	1.588
1800		61	1.546
1750		61	1.525
1700		61	1.502
1600		61	1.458
1500		61	1.411
1400		61	1.364
1300		61	1.314
1300		37	1.312
1250		61	1.288
1250		37	1.287
1200		61	1.263
1200		37	1.261
1100		61	1.209
1100		37	1.207
1000		61	1.152
1000		37	1.151
950		37	1.121
900		37	1.092
850		37	1.061
800		37	1.029
750		37	0.997
700		37	0.962

Conductor Size		Number of Wires	Nominal Outside Diameter (inches)
kcmil	AWG		
650		37	0.928
600		37	0.891
600		19	0.888
550		37	0.853
550		19	0.850
500		37	0.813
500		19	0.811
450		19	0.770
400		19	0.726
350		19	0.678
300		19	0.628
250		19	0.574
246.9		7	0.563
	4/0	7	0.522
195.7		7	0.502
	3/0	7	0.464
155.4		7	0.447
	2/0	7	0.414
123.3		7	0.398
	1/0	7	0.368
77.4		7	0.316
	2	7	0.292
48.6		7	0.250
	4	7	0.232
30.5		7	0.198

SSAC CABLE

Size AWG or kcmil	# Alum Strands	# Steel Strands	Conductor Diameter	Rated Strength (pounds)
266.8	22	7	.622	6030
266.8	24	7	.633	7410
266.8	26	7	.642	8880
266.8	30	7	.660	11700
300.0	26	7	.680	9970
336.4	20	7	.692	5990
336.4	22	7	.701	7610
336.4	24	7	.710	9340
336.4	26	7	.720	11200
336.4	30	7	.741	14800
397.5	20	7	.752	7090
397.5	22	7	.762	8990
397.5	24	7	.772	11000
397.5	26	7	.783	13000
397.5	30	7	.806	17500
477.0	20	7	.823	8490
477.0	22	7	.834	10800
477.0	24	7	.846	13000

Size AWG or kcmil	# Alum Strands	# Steel Strands	Conductor Diameter	Rated Strength (pounds)
477.0	26	7	.858	15600
477.0	30	7	.883	21000
500.0	30	7	.904	22000
556.5	20	7	.890	9910
556.5	22	7	.901	12600
556.5	24	7	.914	15200
556.5	26	7	.927	18200
556.5	30	7	.953	24500
605.0	24	7	.953	16500
605.0	26	7	.966	19700
605.0	30	7	.994	26000
605.0	30	19	.994	26600
636.0	20	7	.951	11300
636.0	22	7	.963	14100
636.0	24	7	.977	17300
636.0	26	7	.990	20700
636.0	30	7	1.019	27400
636.0	30	19	1.019	28000

CABLE DATA

SSAC Cable (Continued)

Size AWG or kcmil	# Alum Strands	# Steel Strands	Conductor Diameter	Rated Strength (pounds)
666.6	24	7	1.000	18200
666.6	26	7	1.104	21700
715.5	24	7	1.036	19500
715.5	26	7	1.051	23300
715.5	30	19	1.081	30800
795.0	42	7	1.055	11800
795.0	20	7	1.063	14200
795.0	45	7	1.063	14200
795.0	22	7	1.077	17700
795.0	24	7	1.092	21700
795.0	54	7	1.092	21700
795.0	26	7	1.108	25900
795.0	30	19	1.140	34300
900.0	45	7	1.131	15800
900.0	54	7	1.162	24600
954.0	42	7	1.155	14200
954.0	20	7	1.185	16700
954.0	45	7	1.165	16700
954.0	48	7	1.175	19700
954.0	24	7	1.196	26000
954.0	54	7	1.196	26000
954.0	30	19	1.248	41100
1033.5	42	7	1.203	15400

Size AWG or kcmil	# Alum Strands	# Steel Strands	Conductor Diameter	Rated Strength (pounds)
1033.5	45	7	1.212	18100
1033.5	48	7	1.222	21300
1033.5	54	7	1.245	28200
1113.0	42	7	1.248	16300
1113.0	45	7	1.259	19500
1113.0	48	7	1.269	23000
1113.0	54	19	1.293	30400
1192.5	42	7	1.292	17500
1192.5	45	7	1.302	20900
1192.5	48	7	1.313	24600
1192.5	54	19	1.338	32600
1272.0	42	7	1.334	18700
1272.0	45	7	1.345	22300
1272.0	48	7	1.357	26200
1272.0	54	19	1.382	34100
1351.5	42	7	1.376	19900
1351.5	45	7	1.386	23700
1351.5	48	7	1.398	27900
1351.5	54	19	1.424	36200
1431.0	42	7	1.415	21000
1431.0	45	7	1.427	25100
1431.0	48	7	1.439	29500
1431.0	54	19	1.465	38400
1510.5	45	7	1.466	26500
1510.5	54	19	1.505	40500
1590.0	42	7	1.492	23400
1590.0	45	7	1.504	27900
1590.0	48	7	1.517	32200
1590.0	54	19	1.545	42600
1780.0	84	19	1.602	35400
1869.0	68	7	1.603	21500
2034.5	72	7	1.681	27200

CABLE DATA

Solid COPPERWELD® Cable (ASTM B227)

Conductor Size (AWG)	Nominal Diameter (inches)	Circular Mils	Minimum Breaking Load (pounds)			
			Grade 40 HS	Grade 40 EHS	Grade 30 HS	Grade 30 EHS
4	0.2043	41740	3540	-	3934	4671
5	0.1819	33090	2937	-	3249	3911
-	0.1650*	27230	2779	-	2779	3367
6	0.1620	26240	2679	-	2679	3246
7	0.1443	20820	2207	-	2207	2681
8	0.1285	16510	1816	-	1816	2205
-	0.1280*	16380	1802	-	1802	2188
9	0.1144	13090	1491	-	1491	1790
-	0.1040*	10820	1283	1325	1283	1487
10	0.1019	10380	1231	-	1231	1460
12	0.0808	6530	774	-	774	918
-	0.0800*	6400	759	-	759	900
-	0.0640*	4096	485	-	485	576
18	0.0403	1624	193	-	193	228
-	0.0390*	1521	180	-	180	214
20	0.0320	1024	121	-	121	144

* These diameters are often employed by purchasers for communication lines BUT are not in the American Wire Gauge (B&S Wire Gauge) series, as are the other diameter listed.

Stranded COPPERWELD® Cable (ASTM B228)

Nominal Diameter† (inch) Size AWG‡	Circular Mils	Diameter* (inch)	Breaking Load (pounds)**		
			High Strength		Extra High Strength
			40% Cond.	30% Cond.	30% Cond.
7/8 (19 No. 5)	628900	.910	50240	55570	66910
13/16 (19 No. 6)	498800	.810	41600	45830	55530
23/32 (19 No. 7)	395500	.721	34390	37740	45850
27/32 (19 No. 8)	313700	.642	28380	31040	37690
9/16 (19 No. 9)	248800	.572	23390	25500	30610
5/8 (7 No. 4)	292200	.613	22310	24780	29430
9/16 (7 No. 5)	231700	.546	18510	20470	24650
1/2 (7 No. 6)	183800	.486	15330	16890	20460
7/16 (7 No. 7)	145700	.433	12670	13910	16890
3/8 (7 No. 8)	115600	.385	10460	11440	13890
11/32 (7 No. 9)	91650	.343	8616	9393	11280
5/16 (7 No. 10)	72680	.306	7121	7758	9196
3 No. 5	99310	.392	8373	9262	11860
3 No. 6	78750	.349	6934	7639	9754
3 No. 7	62450	.311	5732	6291	7922
3 No. 8	49530	.277	4730	5174	6282
3 No. 9	39280	.247	3898	4250	5129
3 No. 10	31150	.220	3221	3509	4160
3 No. 12	19590	.174	2236	-	-

† The designation "inch" is the approximate diameter in proper fraction of an inch.

‡ The designation AWG is a combination of the number of wires each of the American Wire Gauge size indicated by "No."

* Diameter of circumscribing.

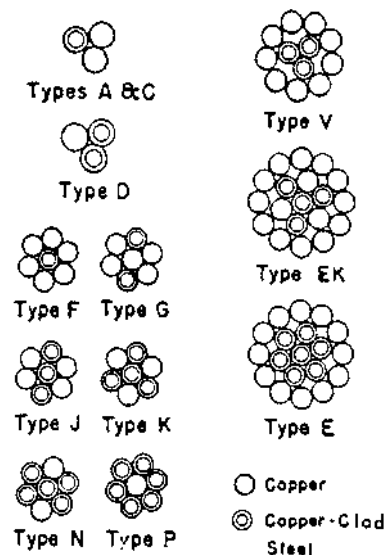
** Breaking loads of 7-wire and 19-wire conductors are taken as 90% of the sum of the breaking loads of individual wires; breaking load of 3-wire conductors is taken as 95% of the sum of the breaking loads of the individual wires.

CABLE DATA

COPPERWELD®-COPPER CABLE (ASTM B229)

Conductor size Hard Drawn Copper Equivalent			Nom. Dia. of Conductor (inches)	Min. Breaking Load (pounds)
cmil	AWG	Type		
350000	-	E	0.788	32420
350000	-	EK	0.735	23850
350000	-	V	0.754	23480
300000	-	E	0.729	27770
300000	-	EK	0.680	20960
300000	211600	V	0.698	20730
250000	-	E	0.666	23920
250000	-	EK	0.621	17840
250000	-	V	0.637	17420
	4/0	E	0.613	20730
211600	4/0	G	0.583	15640
211600	4/0	EK	0.571	15370
211600	4/0	V	0.586	15000
211600	4/0	F	0.550	12290
167800	3/0	E	0.545	16800
167800	3/0	J	0.555	16170
167800	3/0	G	0.519	12860
167800	3/0	EK	0.509	12370
167800	3/0	V	0.522	12200
167800	3/0	F	0.490	9980
133100	2/0	K	0.534	17600
133100	2/0	J	0.494	13430
133100	2/0	G	0.463	10510
133100	2/0	V	0.465	9846
133100	2/0	F	0.436	8094
105600	1/0	K	0.475	14490
105600	1/0	J	0.440	10970
105600	1/0	G	0.412	8563
105600	1/0	F	0.388	6536
83690	1	N	0.464	15410
83690	1	K	0.423	11900
83690	1	J	0.392	9000
83690	1	G	0.367	6956
83690	1	F	0.346	5266
66360	2	P	0.462	16870
66360	2	N	0.413	12680
66360	2	K	0.377	9730
66360	2	J	0.349	7322

Conductor size Hard Drawn Copper Equivalent			Nom. Dia. of Conductor (inches)	Min. Breaking Load (pounds)
cmil	AWG	Type		
66360	2	A	0.366	5876
66360	2	G	0.327	5626
66360	2	F	0.308	4233
55620	3	P	0.411	13910
52620	3	N	0.368	10390
52620	3	K	0.336	7910
52620	3	J	0.311	5955
52620	3	A	0.326	4810
41740	4	P	0.366	11420
41740	4	N	0.328	8460
41740	4	D	0.348	7340
41740	4	A	0.290	3938
33090	5	P	0.326	9311
33090	5	D	0.310	6035
33090	5	A	0.258	3193
26240	6	D	0.276	4942
26240	6	A	0.230	2585
26240	6	C	0.225	2143
20820	7	D	0.246	4022
20820	7	A	0.223	2754
16510	8	D	0.219	3256
16510	8	A	0.199	2233
16510	8	C	0.179	1362
11750	9	D	0.174	1743



CABLE DATA

GALVANIZED STEEL CABLE (ASTM A475)

inches	Nom. Dia. of Strand (mm)	Number of Wires in Strand	Minimum Breaking Load (pounds)				
			Utilities Grade	Common Grade	Siemens-Martin Grade	High-Strength Grade	Extra High-Strength Grade
1/8	3.18	7	-	540	910	1330	1830
5/32	3.97	7	-	870	1470	2140	2940
3/16	4.76	7	-	1150	1900	2850	3990
3/16	4.76	7	2400	-	-	-	-
7/32	5.56	3	-	1400	2340	3500	4900
7/32	5.56	7	-	1540	2560	3850	5400
1/4	6.35	3	3150	1860	3040	4730	6740
1/4	6.35	3	4500	-	-	-	-
1/4	6.35	7	-	1900	3150	4750	6650
9/32	7.14	3	-	2080	3380	5260	7500
9/32	7.14	7	4600	2570	4250	6400	8950
5/16	7.94	3	6500	2490	4090	6350	9100
5/16	7.94	7	-	3200	5350	8000	11200
5/16	7.94	7	6000	-	-	-	-
3/8	9.52	3	8500	3330	5560	8360	11800
3/8	9.52	7	11500	4250	6950	10800	15400
7/16	11.11	7	18000	5700	9350	14500	20800
1/2	12.70	7	25000	7400	12100	18800	26900
1/2	12.70	19	-	7620	12700	19100	26700
9/16	14.29	7	-	9600	15700	24500	35000
9/16	14.29	19	-	9640	16100	24100	33700
5/8	15.88	7	-	11600	19100	29600	42400
5/8	15.88	19	-	11000	18100	28100	40200
3/4	19.05	19	-	16000	26200	40800	58300
7/8	22.22	19	-	21900	35900	55800	79700
1	25.40	9	-	28700	47000	73200	104500
1	25.40	37	-	28300	46200	71900	102700
1-1/8	28.58	37	-	36000	58900	91600	130800
1-1/4	31.75	37	-	44600	73000	113600	162200















CABLE DATA







ALUMINUM-COATED STEEL CABLE (ASTM A474)

Nom. Dia. of Strand (inches)	Number of Wires in Strand	Minimum Breaking Strength (pounds)				
		Utilities Grade*	Common Grade	Siemens-Martin Grade	High-Strength Grade	Extra High-Strength Grade
3/16	7		1150	1900	2850	
3/16	7	2400				
1/4	3	3150				
1/4	3	4500				
1/4	7		1900	3150	4750	6650
9/32	7	4600				
5/16	3	6500				
5/16	7		3200	5350	8000	11200
5/16	7	6000				
3/8	3	8500				
3/8	7	11500	4250	6950	10800	15400
7/16	7	18000	5350	9350	14500	20800
1/2	7	25000	7400	12100	18800	26900

* The Utilities Grade is used principally by communications and power and light industries.

TERMINAL STUD SIZE CHART*

STUD SIZE	#0	#1	#2	#3	#4	#5	#6	#8	#10	#12	#14	1/4"	5/16"	3/8"
Stud Diameter	.060	.073	.086	.090	.112	.125	.138	.164	.190	.216	.242	.250	.312	.375
														
Stud Hole	.067	.093	.119			.145		.171	.197	.223	.250	17/64	21/64	25/64

STUD SIZE	7/16"	1/2"	5/8"	3/4"	7/8"	1"
Stud Diameter	.437	.500	.625	.750	.875	1.000
						
Stud Hole	29/64	33/64	21/32	29/32	29/32	1 - 1/32

*Tolerance .003" on decimal and .005" on fractional dimensions

AWG VS. METRIC WIRE SIZES

Circ. Mils	Equivalent Circ. Mils	AWG Size	Metric Wire Size (mm)	Number of Strands	Wire Dia. per Strand		Approx. Overall Diameter	
					inches	mm	inches	mm
-	937	-	.50	1	.032	.813	.032	.81
1020	-	20	-	7	.0121	.307	.036	.91
-	1480	-	.75	1	.039	.091	.039	.99
1620	-	18	-	1	.0103	1.02	.040	1.02
1620	-	18	-	7	.0152	.386	.046	1.16
-	1974	-	1.0	1	.045	1.14	.045	1.14
-	1974	-	1.0	7	.017	.422	.061	1.30
2580	-	16	-	1	.0503	1.29	.051	1.29
2580	-	16	-	7	.0192	.468	.058	1.46
-	2960	-	1.5	1	.055	1.40	.055	1.40
-	2960	-	1.5	7	.021	5.33	.063	1.60
4110	-	14	-	1	.0641	1.63	.064	1.63
4110	-	14	-	7	.0242	.615	.073	1.84
-	4934	-	2.5	1	.071	1.80	.071	1.80
-	4934	-	2.5	7	.027	6.66	.081	2.06
6530	-	12	-	1	.0308	2.05	.081	2.05
6530	-	12	-	7	.0305	.775	.092	2.32
-	7894	-	4	1	.089	2.26	.089	2.26
-	7894	-	4	7	.034	.864	.102	2.59
10380	-	10	-	1	.1019	2.59	.102	2.59
10380	-	10	-	7	.0355	.978	.116	2.93
-	11840	-	6	1	.109	2.77	.109	2.77
-	11840	-	6	7	.042	.107	.126	3.21
13000	-	9	-	1	.1144	2.91	.114	2.91
13090	-	9	-	7	.0432	1.10	.130	3.30
16510	-	8	-	1	.1285	3.26	.128	3.25
16510	-	8	-	7	.0486	1.23	.146	3.70
-	19740	-	10	1	.141	3.58	.141	3.58
-	19740	-	10	7	.054	1.37	.162	4.12
20520	-	7	-	1	.1443	3.67	.144	3.67
20520	-	7	-	7	.0545	1.38	.164	4.15
26240	-	6	-	1	.162	4.11	.162	4.11
26240	-	6	-	7	.0612	1.55	.184	4.66
-	31580	-	16	7	.008	1.73	.204	5.13
33090	-	5	-	7	.0688	1.75	.206	5.24
41740	-	4	-	7	.0772	1.96	.232	5.88
-	49340	-	25	7	.085	2.16	.255	6.48
-	49340	-	25	19	.052	1.32	.260	6.60
52620	-	3	-	7	.0867	2.20	.260	6.61
66300	-	2	-	7	.0974	2.47	.292	7.42

AWG VS. METRIC WIRE SIZES (continued)

Circ. Mils	Equivalent Circ. Mils	AWG Size	Metric Wire Size (mm)	Number of Strands	Wire Dia. per Strand		Approx. Overall Diameter	
					inches	mm	inches	mm
-	69070	-	35	7	.100	2.54	.300	7.62
-	69070	-	35	19	.001	1.55	.305	7.75
83690	-	1	-	19	.0064	1.50	.332	8.43
-	98680	-	50	19	.073	1.85	.365	9.27
105000	-	1/0	-	19	.0745	1.59	.373	9.46
133100	-	2/0	-	19	.0837	2.13	.419	10.6
-	138100	-	70	19	.086	2.18	.430	10.9
167800	-	3/0	-	19	.094	2.59	.470	11.9
167800	-	3/0	-	36	.0673	1.71	.471	12.0
-	187500	-	95	19	.101	2.57	.505	12.8
-	187500	-	95	37	.072	1.83	.504	12.5
211600	-	4/0	-	19	.1055	2.89	.528	13.4
-	237.8 kcmil	-	120	37	.081	2.06	.567	14.4
250 kcmil	-	-	-	37	.0822	2.07	.575	14.6
300 kcmil	-	-	150	37	.090	2.29	.630	16.0
350 kcmil	-	-	-	37	.0973	2.47	.681	17.3
-	365.1 kcmil	-	185	37	.100	2.54	.700	17.8
400 kcmil	-	-	-	37	.104	2.64	.728	18.5
-	473.6 kcmil	-	240	37	.114	2.90	.798	20.3
-	473.6 kcmil	-	240	61	.089	2.26	.801	20.3
500 kcmil	-	-	-	37	.1162	2.95	.813	20.7
500 kcmil	-	-	-	61	.0905	2.30	.814	20.7
-	592.1 kcmil	-	300	61	.099	2.51	.891	22.6
600 kcmil	-	-	-	61	.0992	2.52	.893	22.7
700 kcmil	-	-	-	61	.1071	2.72	.964	24.5
750 kcmil	-	-	-	6	.1109	2.82	.998	25.4
750 kcmil	-	-	-	91	.0908	2.31	.998	25.4
-	789.4 kcmil	-	400	61	.114	2.90	1.026	26.1
800 kcmil	-	-	-	61	.1145	2.91	1.031	26.2
800 kcmil	-	-	-	91	.0938	2.38	1.032	26.2
1000 kcmil	986.8 kcmil	-	500	61	.1280	3.25	1.152	28.3
1000 kcmil	-	-	-	91	.1048	2.66	1.153	29.3
-	1233.7 kcmil	-	625	91	.117	2.97	1.287	32.7
1250 kcmil	-	-	-	91	.1172	2.93	1.289	32.7
1250 kcmil	-	-	-	127	.0992	2.52	1.200	32.8
1500 kcmil	-	-	-	91	.1284	3.26	1.412	36.9
1500 kcmil	-	-	-	127	.1087	2.76	1.413	36.9
-	1578.8 kcmil	-	800	91	.132	3.35	1.452	36.9
-	1973.5 kcmil	-	1000	91	.147	3.73	1.617	41.1
2000 kcmil	-	-	-	127	.1255	3.19	1.632	41.5
2000 kcmil	-	-	-	169	.1088	2.76	1.632	41.5

INCHES & MILLIMETERS CONVERSION CHART

INCHES		MM	INCHES		MM	MM	INCHES	MM	INCHES
$\frac{1}{64}$	.015625	0.397	$\frac{33}{64}$	.515625	13.097	.1	.0039	46	1.8110
$\frac{1}{32}$	.03125	0.794	$\frac{17}{32}$	.53125	13.494	.2	.0079	47	1.8504
$\frac{3}{64}$	.046875	1.191	$\frac{35}{64}$	.546875	13.891	.3	.0118	48	1.8898
$\frac{1}{16}$	.0625	1.588	$\frac{9}{16}$	.5625	14.288	.4	.0157	48	1.9291
$\frac{5}{64}$	.078125	1.984	$\frac{37}{64}$	.578125	14.684	.5	.0197	50	1.9685
$\frac{3}{32}$	.09375	2.381	$\frac{19}{32}$	.59375	15.081	.6	.0236	51	2.0079
$\frac{7}{64}$	.109375	2.778	$\frac{39}{64}$	.609375	15.478	.7	.0276	52	2.0472
$\frac{1}{8}$	.1250	3.175	$\frac{5}{8}$	.6250	15.875	.8	.0315	53	2.0866
$\frac{9}{64}$	.140625	3.572	$\frac{41}{64}$	.640625	16.272	.9	.0354	54	2.1260
$\frac{5}{32}$	.15625	3.969	$\frac{21}{32}$	.65625	16.669	1	.0394	55	2.1654
$\frac{11}{64}$	.171875	4.366	$\frac{43}{64}$	.671875	17.066	2	.0787	56	2.2047
$\frac{3}{16}$	.1875	4.763	$\frac{11}{16}$	.6875	17.463	3	.1181	57	2.2441
$\frac{13}{64}$	.203125	5.159	$\frac{45}{64}$	.703125	17.859	4	.1575	58	2.2835
$\frac{7}{32}$	.21875	5.556	$\frac{23}{32}$	.71875	18.256	5	.1969	59	2.3228
$\frac{15}{64}$	.234375	5.953	$\frac{47}{64}$	.734375	18.653	6	.2362	60	2.3622
$\frac{1}{4}$	.2500	6.350	$\frac{3}{4}$	.7500	19.050	7	.2756	61	2.4016
$\frac{17}{64}$	.265625	6.747	$\frac{49}{64}$	.765625	19.447	8	.3150	62	2.4409
$\frac{9}{32}$	.28125	7.144	$\frac{25}{32}$	.78125	19.844	9	.3543	63	2.4803
$\frac{19}{64}$	.296875	7.541	$\frac{51}{64}$	.796875	20.241	10	.3937	64	2.5197
$\frac{5}{16}$	.3125	7.938	$\frac{13}{16}$	.8125	20.638	11	.4331	65	2.5591
$\frac{21}{64}$	.328125	8.334	$\frac{53}{64}$	.828125	21.034	12	.4724	66	2.5984
$\frac{11}{32}$	.34375	8.731	$\frac{27}{32}$	.84375	21.431	13	.5118	67	2.6378
$\frac{23}{64}$	.359375	9.128	$\frac{55}{64}$	.859375	21.828	14	.5512	68	2.6772
$\frac{3}{8}$	.3750	9.525	$\frac{7}{8}$	.8750	22.225	15	.5906	69	2.7165
$\frac{25}{64}$	.390625	9.922	$\frac{57}{64}$	.890625	22.622	16	.6299	70	2.7559
$\frac{13}{32}$	.40625	10.319	$\frac{29}{32}$	.90625	23.019	17	.6693	71	2.7953
$\frac{27}{64}$	.421875	10.716	$\frac{59}{64}$	.921875	23.416	18	.7087	72	2.8346
$\frac{7}{16}$	.4375	11.113	$\frac{15}{16}$	.9375	23.813	19	.7480	73	2.8740
$\frac{29}{64}$	.453125	11.509	$\frac{61}{64}$	.953125	24.209	20	.7874	74	2.9134
$\frac{15}{32}$	.46875	11.906	$\frac{31}{32}$	.96875	24.606	21	.8268	75	2.9528
$\frac{31}{64}$	.484375	12.303	$\frac{63}{64}$	.984375	25.003	22	.8661	76	2.9921
$\frac{1}{2}$	.5000	12.700	$\frac{1}{1}$	1.000	25.400	23	.9055	77	3.0315
						24	.9449	78	3.0709
						25	.9843	79	3.1102
						26	1.0236	80	3.1496
						27	1.0630	81	3.1890
						28	1.1024	82	3.2283
						29	1.1417	83	3.2677
						30	1.1811	84	3.3071
						31	1.2205	85	3.3465
						32	1.2598	86	3.3858
						33	1.2992	87	3.4252
						34	1.3386	88	3.4646
						35	1.3780	89	3.5039
						36	1.4173	90	3.5433
						37	1.4567	91	3.5827
						38	1.4961	92	3.6220
						39	1.5354	93	3.6614
						40	1.5748	94	3.7008
						41	1.6142	95	3.7402
						42	1.6535	96	3.7795
						43	1.6929	97	3.8189
						44	1.7323	98	3.8583
						45	1.7717	99	3.8976
								100	3.9370

BURNDY CONDUCTOR NUMBERING SYSTEM - © BURNDY ENGINEERING CO., INC., 1940

Outside Dia. IN	Outside Dia. MM	STR. CABLE		SOL. WIRE		AREA MM ² Copper Cable	ACSR		PIPE SIZE CONDUCTOR				TUBE & ROD		SERVIT NO.
		Cat. No.	Size	Cat. No.	Size		Cat. No.	Cable Size	Cat. No.	ST D	Cat No.	Ex Hvy	Cat. No.	Dia.	
.102	2.594			10W	10	5.261									KS90
.114	2.896			9W	9	6.634									
.116	2.946	10 C	10			5.261									
.125	3.175											60	1/8		
.129	3.277			8W	8	8.366									KS15
.130	3.302	9 C	9			6.634									
.144	3.658			7W	7	10.550									
.146	3.708	8 C	8			8.366									
.158	4.013						8R	8							
.162	4.115			6W	6	13.300									KS17
.164	4.166	7 C	7			10.550									
.176	4.470						7R	7							
.182	4.597			5W	5	16.770									
.184	4.648	6 C	6			13.300									
.198	5.029						6R	6							
.204	5.182			4W	4	21.150									KS20
.206	5.258	5 C	5			16.770									
.223	5.664						5R	5							
.229	5.817			3W	3	26.670									
.232	5.867	4 C	4			21.150									
.250	6.350						4R	4				61	1/4		
.258	6.553			2W	2	33.630									KS22
.260	6.629	3 C	3			2.6670									
.281	7.137						3R	3							
.289	7.344			1W	1	42.410									
.292	7.394	2 C	2			33.630									KS23
.316	8.026						2R	2							
.325	8.255			75	1/0	53.480									
.332	8.382	1 C	1			42.410									
.355	9.017						1R	1							
.365	9.274			76	2/0	67.430									
.372	9.474	25	1/0			53.480									KS25
.375	9.525											62	3/8		
.398	10.109						25R	1/0							
.405	10.287								10	1/8	50	1/8			
.410	10.414			77	3/0	85.030									
.419	10.617	26	2/0			67.430									KS26
.447	11.354						26R	2/0							
.460	11.684			78	4/0	107.200									
.470	11.938	27	3/0			85.030									
.500	12.700											63	1/2		
.502	12.725						27R	3/0							
.528	13.414	28	4/0			107.200									KS28
.540	13.716								11	1/4	51	1/4			
.563	14.326						28R	4/0							
.575	14.605	29	250			127.000									
.630	16.002	30	300			152.000									
.633	16.078						29R	266.800							
.642	16.307						30R	266.800							
.675	17.145								12	3/8	52	3/8			
.680	17.272						31R	300.000							
.681	17.297	31	350			177.000									KS31
.721	18.313						32R	336.400							
.728	18.494	32	400			203.000									
.741	18.824						33R	336.400							
.750	19.050											64	3/4		
.772	19.609	33	450			228.000									
.783	19.888						34R	397.500							
.806	20.472						35R	397.500							
.813	20.676	34	500			253.000									
.840	21.336								13	1/2	53	1/2			
.855	21.717	35	550			279.000									KS34
.858	21.742						36R	477.000							
.883	22.428						37R	477.000							
.893	22.682	36	600			304.000									
.904	22.962						38R	500.000							
.927	23.546						39R	556.500							
.929	23.597	37	650			329.000									
.953	24.206						40R	556.500							
.953	24.206						41R	605.000							
.964	24.486	38	700			355.000									
.977	24.714						42R	636.000							
.998	25.349	39	750			380.000									KS39
1.000	25.400						43R	666.600				65	1		

BURNDY CONDUCTOR NUMBERING SYSTEM (continued)

Outside Dia. IN	Outside Dia. MM	STR. CABLE		SOL. WIRE		AREA MM ² Copper Cable	ACSR		PIPE SIZE CONDUCTOR				TUBE & ROD		SERVIT NO.	
		Cat. No.	Size	Cat. No.	Size		Cat. No.	Cable Size	Cat. No.	ST D	Cat No.	Ex Hvy	Cat. No.	Dia.		
1.031	26.187	40	800			405.000										
1.036	26.314						44R	715,500								
1.050	26.670								14		54					
1.062	26.975	41	850			431.000										
1.094	27.762	42	900			456.000	45R	795,000								
1.123	28.524	43	950			481.000										
1.146	29.108						46R	874,000								
1.152	29.264	44	1000			507.000										KS44
1.162	29.515						47R	900,000								
1.196	30.378						48R	954,000								
1.209	30.709	444	1100			557.000										
1.246	31.648						49R	1,033,500								
1.250	31.750												66	1		
1.263	32.080	448	1200			608.000										
1.289	32.744	45	1250			633.000										
1.293	32.817						50R	1,113,000								
1.315	33.404	452	1300						15	1	55	1				
1.338	33.960						51R	1,192,500								
1.364	34.646	456	1400			709.000										
1.382	35.103						52R	1,272,000								
1.412	35.865	46	1500			760.000										
1.424	36.170						53R	1,351,500								
1.459	37.059	464	1600			811.000										
1.465	37.214						54R	1,431,000								
1.500	38.100												67	1-1/2		
1.504	38.202	468	1700			861.000										
1.506	38.252						55R	1,510,500								
1.526	38.786	47	1750			866.000										
1.545	39.218						56R	1,590,000								
1.548	39.319	472	1800			912.000										
1.590	40.386	476	1900			963.000										
1.632	41.427	48	2000			1013.00										
1.660	42.164								16	1	56	1				
1.729	43.917	483	2250			1140.000										
1.824	46.330	486	2500			1267.000										
1.900	48.260								17	1-1/2	57	1-1/2				
1.914	48.616	490	2750			1393.000										
1.988	50.495	493	3000			1520.000										
2.000	50.800												68	2		
2.375	60.325								18	2	58	2				
2.500	63.500												69	2-1/2		
2.875	73.025								19	2-1/2	59	2-1/2				
3.000	76.200												70	3		
3.500	88.900								20	3	90	3	71	3-1/2		
4.000	101.600								21	3-1/2	91	3-1/2	72	4		
4.500	114.300								22	4	92	4	73	4-1/2		
5.000	127.000								23	4-1/2	93	4-1/2	74	5		
5.563	141.300								24	5	94	5				
6.063	154.000								85	5-1/2	95	5-1/2				
6.625	168.275								86	6	96	6				
7.625	193.675								87	7	97	7				
8.625	219.075								88	8	98	8				

DIE INDEX REFERENCE

This chart provides a cross reference between die index numbers marked on BURNDY® Compression Connectors and corresponding BURNDY® Die Sets used with the various BURNDY® Installation Tools.

This is the only way to have complete connections with The BURNDY® Engineered System.

A die index number has been assigned to each required groove configuration. A prefix letter is used to indicate the specific installation tool for which the die has been designed, as shown.

DIE PROFILES

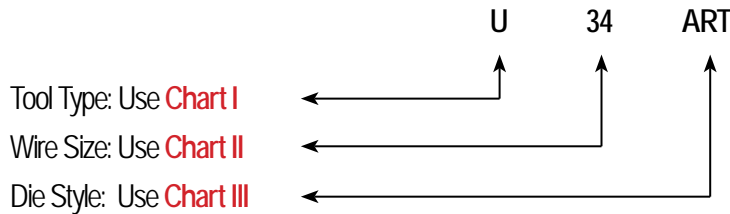
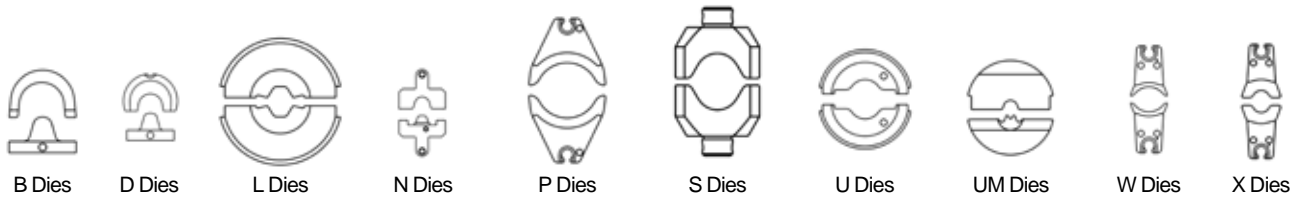


CHART I - Tool Type

B = Y34BH	U = 35 and 750 Series, 46 Series w/PUADP1 U-die Adapter
D = Y29BH	
L = 60 Series	UM = OEM840NCP, 750 Series, 46 Series w/PUADP1 U-die Adapter
N = M8ND	
P = 46 Series	W = MD and PATMD Series, PAT500SJ, PAT600
S = Y45	X = MD6 and MD7 Series, OUR840

CHART II - Wire Size

12 = #12 AWG	27 = 3/0
10 = #10 AWG	28 = 4/0
8C = #8 AWG	29 = 250 kcmil
6C = #6 AWG	30 = 300 kcmil
5C = #5 AWG	31 = 350 kcmil
4C = #4 AWG	32 = 400 kcmil
3C = #3 AWG	34 = 500 kcmil
2C = #2 AWG	36 = 600 kcmil
1C = #1 AWG	39 = 750 kcmil
25 = 1/0	44 = 1000 kcmil
26 = 2/0	

Or **INDEX NUMBER**: Example U312 = **312** Die Index

CHART III - Die Style

A = Aluminum
R = Round (circumferential)
T = Twin Die (both halves)

Footnotes for the chart in the following pages:

- ① - Cat. No. Y35P3 Adapter is required to use "Y34PR" type indenters with "U" type nest dies in 35 and 750 Series
- ② - Cat. No. PT6515 Adapter is required to use "U" type dies in 45 Series
- ③ - Cat. No. PUADP1 Adapter is required to use "U" type dies in 46 Series
- ④ - These sizes (250 - 500 kcmil) are not recommended for use with MD6 & MD7 Series tools due to high handle force
- ⑤ - Hexagonal crimp
- ⑥ - Die 302 recommended for 1.84 O.D. barrel

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
BURNDY	E EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
A		DIE SET							UA	UA	UA	UA	
BG		DIE SET				Perm. GR WBG	XBG XNBG		UBG	UBG	UBG	UBG	
C		DIE SET	BROWN			WC			UC	UC	UC	UC	
D		DIE SET							UD	UD	UD	UD	
D3		DIE SET	BLUE						UYFD	UYFD	UYFD	UYFD	
						Perm. GR			UD3	UD3	UD3	UD3	
E		DIE SET							UE	UE	UE	UE	
F		DIE SET							UF	UF	UF	UF	
H		DIE SET							UH	UH	UH	UH	
K1/4		DIE SET				WK14							
K5/16		DIE SET				WK516			UK516T	UK516T	UK516T	UK516T	
K3/8		DIE SET				WK38			UK38T	UK38T	UK38T	UK38T	
K1/2		DIE SET				WK12							
K9/16		DIE SET				WK916			UK916T	UK916T	UK916T	UK916T	
K19/32		DIE SET				WK1932							
K5/81		DIE SET							UK581T	UK581T	UK581T	UK581T	
K11/16		DIE SET				WK1116			UK1116T	UK1116T	UK1116T	UK1116T	
K3/4		DIE SET							UK34T	UK34T	UK34T	UK34T	
K1		DIE SET							UK1T	UK1T	UK1T	UK1T	
K15/16		DIE SET							UK1516T	UK1516T	UK1516T	UK1516T	
K635		DIE SET				WK737			UK737T	UK737T	UK737T	UK737T	
K747		DIE SET				WK747							
K781		DIE SET				WK781							
K840		DIE SET				WK840			UK840T	UK840T	UK840T	UK840T	
KB		DIE SET				WKB			UKBT	UKBT	UKBT	UKBT	
KBKT		DIE SET							UKBKTT	UKBKTT	UKBKTT	UKBKTT	
KC		DIE SET							UKCT	UKCT	UKCT	UKCT	
KK		DIE SET				WKK							
KR		DIE SET	YELLOW									PYFR	
											SKR	PKR	
KT		DIE SET				WKT							
KU		DIE SET							UKUT	UKUT	UKUT	UKUT	
L		DIE SET				WL			UL	UL	UL	UL	
L80		DIE SET							U32XRT	U32XRT	U32XRT	U32XRT	
L99		DIE SET	PINK						U38XRT	U38XRT	U38XRT	U38XRT	
L115		DIE SET	YELLOW						U44XRT	U44XRT	U44XRT	U44XRT	
M		DIE SET							UM	UM	UM	UM	
N		DIE SET	RED						UYFN	UYFN	UYFN	UYFN	
									UN	UN	UN	UN	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
GROOVE		TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
BURNDY	EEl												
O		DIE SET	GREEN						UYFO	UYFO	UYFO	UYFO	
							Perm. GR WO			UO	UO	UO	UO
Q		DIE SET				WQ							
R		DIE SET							UR	UR	UR	UR	
T		DIE SET									ST		
Z		DIE SET									SZ		
7 94		DIE SET	BLUE	MR4C MY293 MY2911	1 CRIMP	W5CRT	X5CRT		U5CRT	U5CRT	U5CRT	U5CRT	
		NEST						D6CL	U6CD1	U6CD1	U6CD1	U6CD1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
8 95		DIE SET	GRAY	MR4C MY293 MY2911	1 CRIMP	W4CRT	X4CRT		U4CRT	U4CRT	U4CRT	U4CRT	
		NEST						D4CL	U4CD1	U4CD1	U4CD1	U4CD1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
9 96		DIE SET	WHITE	MY293 MY2911	1 CRIMP	W3CRT	X3CRT		U3CRT	U3CRT	U3CRT	U3CRT	
		NEST						D3CL	U3CD1	U3CD1	U3CD1	U3CD1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
10 97		DIE SET	BROWN	MY293 MY2911	1 CRIMP	W2CRT	X2CRT		U2CRT	U2CRT	U2CRT	U2CRT	
		NEST						D2CL	U2CD1	U2CD1	U2CD1	U2CD1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
11 98		DIE SET	GREEN	MY293 MY2911	1 CRIMP	W1CRT1	X1CRT1		U1CRT1	U1CRT1	U1CRT1	U1CRT1	
		NEST						D1CL	U1CD1	U1CD1	U1CD1	U1CD1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
12 99		DIE SET	PINK	MY293 MY2911	1 CRIMP	W25RT	X25RT		U25RT	U25RT	U25RT	U25RT	
		NEST						D25L	U25D1	U25D1	U25D1	U25D1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
13 100		DIE SET	BLACK	MY293 MY2911	1 CRIMP	W26RT	X26RT		U26RT	U26RT	U26RT	U26RT	
		NEST						D26L	U26D1	U26D1	U26D1	U26D1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
14 101		DIE SET	ORANGE	MY293 MY2911	1 CRIMP	W27RT	X27RT		U27RT	U27RT	U27RT	U27RT	
		NEST						D27L	U27D1	U27D1	U27D1	U27D1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
15		DIE SET	PURPLE	MY293 MY2911	1 CRIMP	W28RT	X28RT		U28RT	U28RT	U28RT	U28RT	
		NEST						D28L	U28D1	U28D1	U28D1	U28D1	
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	
16		DIE SET	YELLOW	MY293 MY2911	1 CRIMP	W29RT ④	X29RT		U29RT	U29RT	U29RT	U29RT	
		NEST						D29L		U29D1	U29D1	U29D1	
		INDENTOR						Y29PR		Y34PR	Y34PR	Y34PR	
17		DIE SET	WHITE		1 CRIMP	W30RT ④			U30RT	U30RT	U30RT	U30RT	L30RT
		NEST								U30D1	U30D1	U30D1	
		INDENTOR								Y34PR	Y34PR	Y34PR	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
GROOVE		TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
BURNDY	EEI												
18		DIE SET	RED		1 CRIMP	W31RT ④			U31RT	U31RT	U31RT	U31RT	L31RT
		NEST								U31D1	U31D1	U31D1	
		INDENTOR								Y34PR	Y34PR	Y34PR	
19		DIE SET	BLUE		1 CRIMP	W32RT ④			U32RT	U32RT	U32RT	U32RT	L32RT
		NEST								U32D1	U32D1	U32D1	
		INDENTOR								Y34PR	Y34PR	Y34PR	
20		DIE SET	BROWN		1 CRIMP	W34RT ④			U34RT	U34RT	U34RT	U34RT	L34RT
		NEST								U34D1	U34D1	U34D1	
		INDENTOR								Y34PR	Y34PR	Y34PR	
21		DIE SET	YELLOW		1 CRIMP				U35RT	U35RT	U35RT		
		NEST											
		INDENTOR											
22		DIE SET	GREEN		1 CRIMP				U36RT	U36RT	U36RT	U36RT	L36RT
		NEST										P36D	
		INDENTOR										P44PR	
23		DIE SET	ORANGE		1 CRIMP				U37RT	U37RT	U37RT		
		NEST											
		INDENTOR											
24		DIE SET	BLACK		1 CRIMP				U39RT	S39RT	P39RT	L39RT	
		NEST										P39D	
		INDENTOR										P44PR	
25		DIE SET	ORANGE		1 CRIMP						S40RT	P40RT	
		NEST										P40D	
		INDENTOR										P44PR	
26		DIE SET	GOLD		1 CRIMP								
		NEST											
		INDENTOR											
27		DIE SET	WHITE		1 CRIMP						S44RT	P44RT	L44RT
		NEST										P44D	
		INDENTOR										P44PR	
29		DIE SET	YELLOW		1 CRIMP							P45RT	L45RT
		NEST											
		INDENTOR											
30		DIE SET	ORANGE		1 CRIMP								
		NEST											
		INDENTOR											
31		DIE SET	GREEN		1 CRIMP						S46RT	P46RT	L46RT
		NEST										No Nest	
		INDENTOR										P44PR	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
BURNDY	E EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
33		DIE SET	GRAY										L47RT
		NEST											
		INDENTOR											
34		DIE SET	BROWN										L48RT
		NEST											
		INDENTOR											
38		NEST		MR4C MR8G98 MR89Q MY28 Y8MRB1				DV8L	UV8L	UV8L	UV8L	UV8L	
		INDENTOR						Y29PL	Y34PL	Y34PL	Y34PL	Y34PL	
39		NEST		MR4C	1 CRIMP			DV6L	UV6L	UV6L	UV6L	UV6L	
		INDENTOR		MY28				Y29PL	Y34PLA	Y34PLA	Y34PLA	Y34PLA	
40		NEST		MR4C				DV4L	UV4L	UV4L	UV4L	UV4L	
		INDENTOR		MY28				Y29PL	Y34PLA	Y34PLA	Y34PLA	Y34PLA	
41		NEST		MY28				DV2L	UV2L	UV2L	UV2L	UV2L	
		INDENTOR						Y29PL	Y34PLA	Y34PLA	Y34PLA	Y34PLA	
42		NEST		MY28				DV1L	UV1L	UV1L	UV1L	UV1L	
		INDENTOR						Y29PL	Y34PLA	Y34PLA	Y34PLA	Y34PLA	
43		NEST		MY28				DV25L	UV25L	UV25L	UV25L	UV25L	
		INDENTOR						Y29PL	Y34PA	Y34PA	Y34PA	Y34PA	
44		NEST		MY28				DV26L	UV26L	UV26L	UV26L	UV26L	
		INDENTOR						Y29PL	Y34PA	Y34PA	Y34PA	Y34PA	
45		NEST		MY28					UV27L	UV27L	UV27L	UV27L	
		INDENTOR							Y34PA	Y34PA	Y34PA	Y34PA	
46		NEST		MY28					UV28L	UV28L	UV28L	UV28L	
		INDENTOR							Y34PA	Y34PA	Y34PA	Y34PA	
49		DIE SET	RED			W8CRT	X8CRT		U8CRT	U8CRT	U8CRT	U8CRT	
161		DIE SET				W161	X161		U161	U161	U161	U161	
162		DIE SET				W162	W162		U162	U162	U162	U162	
163 505		DIE SET				W163	W163		U163	U163	U163	U163	
164 275		DIE SET				W164			U164	U164	U164	U164	
165 205 287 339		DIE SET				W165	X165		U165/ U205	U165/ U205	U165/ U205	U165/U205	L165
166 206 459		DIE SET				W166			U166/ U459	U166/ U459	U166/ U459	U166/U459	L166
167 207 211 256 568		DIE SET				W167			U167/ U568	U167/ U568	U167/ U568	U167/U568	L167
168 208		DIE SET							U168	U168	U168	U168	L168
169		DIE SET							U169	U169	U169	U169	L169
170 306		DIE SET							U170	U170	U170	U170	L170
171		DIE SET							U171	U171	U171	U171	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
GROOVE													
BURNDY	EEI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
193		DIE SET							U193	U193	U193	U193	L193
202		DIE SET							U202	U202	U202	U202	
203		DIE SET							U203	U203	U203	U203	
204		DIE SET							U204	U204	U204	U204	
205 165 287 339		DIE SET				W165	X165		U165/ U205	U165/ U205	U165/ U205	U165/U205	L165
206 166 459		DIE SET				W166			U166/ U459	U166/ U459	U166/ U459	U166/U459	L166
207 167 211 256 568		DIE SET				W167			U167/ U568	U167/ U568	U167/ U568	U167/U568	L167
208 168		DIE SET							U168	U168	U168	U168	L168
209		DIE SET							U209	U209	U209	U209	L209
210		DIE SET							U210	U210	U210	U210	L210
211 167 256 568		DIE SET				W167			U167/ U568	U167/ U568	U167/ U568	U167/U568	L167
236		DIE SET				W236			U236	U236	U236	U236	
237		DIE SET				W237	X237		U237	U237	U237	U237	
238		DIE SET				W238			U238	U238	U238	U238	
239		DIE SET				W239	X239		U239	U239	U239	U239	
240		DIE SET	RED			W240			U240	U240	U240	U240	
241		DIE SET				W241	X241		U241	U241	U241	U241	
242 244	3S/4S	DIE SET				W242			U242	U242	U242	U242	L242
243		DIE SET				W243			U243	U243	U243	U243	L243
244 242	3S/4S	DIE SET				W242			U242	U242	U242	U242	L242
245	9A	DIE SET				W245	X245		U245	U245	U245	U245	L245
246 248	5S	DIE SET				W248			U248	U248	U248	U248	L248
247		DIE SET				W247	X247		U247	U247	U247	U247	L247
248 246	5S	DIE SET				W248			U248	U248	U248	U248	L248
249	11A	DIE SET				W249	X249		U249	U249	U249	U249	L249
250		DIE SET							U250	U250	U250	U250	L250
251	12A	DIE SET	RED			W251			U251	U251	U251	U251	L251
252		DIE SET							U252	U252	U252	U252	L252
253		DIE SET							U253	U253	U253	U253	L253
254		DIE SET									S254	P254	L254
255		DIE SET							U255	U255	U255	U255	L255
256 167 207 211 568		DIE SET				W167			U167/ U567	U167/ U567	U167/ U567	U167/U567	L167
257		DIE SET							U257	U257	U257	U257	L257
259		DIE SET							U259	U259	U259	U259	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES								
GROOVE														
BURNDY	EEl	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series	
260		DIE SET											L260	
261 318	15A	DIE SET							U261	U261	U261	U261	L261	
263		DIE SET							U263	U263	U263	U263		
267		DIE SET							U267	U267	U267	U267	L267	
275 164		DIE SET				W164			U164	U164	U164	U164		
276		DIE SET							U276	U276	U276	U276		
285		DIE SET							U285	U285	U285	U285		
287 165 205 339		DIE SET				W165			U165/ U205	U165/ U205	U165/ U205	U165/U205	L165	
292 578		DIE SET									S292	P292	L292	
293 294		DIE SET											L293	
296		DIE SET	TAN	MY293	1 CRIMP		X25ART		U25ART	U25ART	U25ART	U25ART		
		NEST										P27D		
		INDENTOR											P34PR5	
297		DIE SET	OLIVE	MY293	1 CRIMP		X26ART		U26ART	U26ART	U26ART	U26ART		
		NEST											P29D	
		INDENTOR											P34PR5	
298		DIE SET	WHITE	MY293	1 CRIMP		X28ART		U28ART	U28ART	U28ART	U28ART	L28ART	
		NEST											P31D	
		INDENTOR											Y45PR5	
299		DIE SET	BROWN		1 CRIMP				U31ART	U31ART	U31ART	U31ART	L31ART	
		NEST											P35D	
		INDENTOR											P48PR1	
300		DIE SET	PINK		1 CRIMP				U34ART	U34ART	U34ART	U34ART	L34ART	
		NEST											P39D	
		INDENTOR											P48PR1	
301		DIE SET	RED		1 CRIMP						S39ART	P39ART	L39ART	
		NEST											P45D	
		INDENTOR											P48PR1	
302		DIE SET	BROWN		1 CRIMP						S44ART	P44ART	L44ART	
		NEST											No Nest	
		INDENTOR											P48PR1	
303		DIE SET	GRAY						U42ART	U42ART	U42ART	U42ART		
304		DIE SET							U304	U304	U304	U304	L304	
305 341		DIE SET							U305	U305	U305	U305	L305	
306 170		DIE SET							U170	U170	U170	U170	L170	
308		DIE SET							U308	U308	U308	U308		
313		DIE SET							U313	U313	U313	U313	L313	
314 376		DIE SET											L314	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES									
BURNDY	E EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series		
316		DIE SET							U316	U316	U316	U316	L316		
317 426		DIE SET							U317	U317	U317	U317	L317		
318 261		DIE SET							U261	U261	U261	U261	L261		
319		DIE SET									S319	P319	L319		
320		DIE SET									S320	P320	L320		
321		DIE SET							U321	U321	U321	U321	L321		
322		DIE SET							U322	U322	U322	U322			
324		DIE SET	RED		1 CRIMP				U29ART	U29ART	U29ART	U29ART	L29ART		
		NEST											P32D		
		INDENTOR											P34PR5		
326 538		DIE SET							U33RT	U33RT	U33RT	U33RT			
327	14A	DIE SET							U327	U327	U327	U327	L327		
328		DIE SET											L328		
329		DIE SET							U329	U329	U329	U329			
331		DIE SET							U331	U331	U331	U331			
339 165 205 287		DIE SET					X339		U165/ U205	U165/ U205	U165/ U205	U165/U205	L165		
341 305		DIE SET							U305	U305	U305	U305	L305		
342		DIE SET									S342	P342	L342		
344		DIE SET											L344		
345		DIE SET											L345		
346 ③		DIE SET	GRAY		1 CRIMP		X6CART		U6CABT	U6CABT	U6CABT	U6CABT			
348		DIE SET	PINK		1 CRIMP		X2CART		U2CABT	U2CABT	U2CABT	U2CABT			
350		DIE SET							U350	U350	U350	U350	L350		
352		DIE SET									S352	P352	L352		
373		DIE SET							U373	U373	U373	U373			
374		DIE SET	BLUE	MY293			X8CART		U8CABT	U8CABT	U8CABT	U8CABT			
375		DIE SET	GREEN	MY293	1 CRIMP		X4CART		U4CABT	U4CABT	U4CABT	U4CABT			
376 314		DIE SET											L314		
400		DIE SET	PINK						U38RT	U38RT	U38RT	U38RT			
403		DIE SET							U403	U403	U403	U403			
419		DIE SET									S419	P419	L419		
422		DIE SET											L422		
426 317		DIE SET							U317	U317	U317	U317			
459 166		DIE SET							U166/ U459	U166/ U459	U166/ U459	U166/U459			
467		DIE SET	RUBY	MY293	1 CRIMP		X27ART		U27ART	U27ART	U27ART	U27ART			
		NEST												P30D	
		INDENTOR												P34PR5	
468		DIE SET							U468	U468	U468	U468			
469		DIE SET									S469	P469	L469		

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES								
BURNDY	E EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series	
470		DIE SET	BLUE		1 CRIMP				U30ART	U30ART	U30ART	U30ART	L30ART	
		NEST											P34D	
		INDENTOR												P48PR1
471		DIE SET	GOLD		MY293 1 CRIMP		X1CART		U1CART	U1CART	U1CART	U1CART		
		NEST												
		INDENTOR												
472		DIE SET	GREEN		1 CRIMP				U32ART	U32ART	U32ART	U32ART	L32ART	
		NEST											P35D	
		INDENTOR												P48PR1
473		DIE SET	BLACK		1 CRIMP				U36ART	U36ART	U36ART	U36ART	L36ART	
		NEST												P44D
		INDENTOR												P48PR1
474		DIE SET	GOLD		1 CRIMP						S40ART	P40ART	L40ART	
		NEST												
		INDENTOR												
478		DIE SET	BLUE		1 CRIMP								L46ART	
		NEST												
		INDENTOR												
479		DIE SET	RED										L48ART	
490547		DIE SET							U490	U490	U490	U490	L490	
495		DIE SET											L495	
505 163		DIE SET				W163			U163	U163	U163	U163	L163	
511		NEST INDENTOR		MY293										
512		NEST INDENTOR		MY293										
513		NEST INDENTOR		MY293										
514		NEST INDENTOR		MY293										
515		NEST INDENTOR		MY293										
516		NEST INDENTOR		MY293										
517		NEST INDENTOR		MY293										
518		NEST INDENTOR		MY293										
519		NEST INDENTOR		MY293										
520		NEST INDENTOR		MY293										

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
BURNDY	E EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
538 326		DIE SET							U33RT	U33RT	U33RT	U33RT	
547 490		DIE SET							U490	U490	U490	U490	L490
552		DIE SET							U552	U552	U552	U552	
568 167 207 211 256		DIE SET				W167			U167/ U568	U167/ U568	U167/ U568	U167/U568	
575		DIE SET											L575
576		DIE SET											L576
578 292		DIE SET									S292	P292	L292
579		DIE SET									S579	P579	L579
587		DIE SET											L47ART
607		DIE SET							U607	U607	U607	U607	
608		DIE SET							U608	U608	U608	U608	L608
609		DIE SET							U609	U609	U609	U609	
627		DIE SET											L627
642		DIE SET							U642	U642	U642	U642	L642
643		DIE SET							U643	U643	U643	U643	
647 ④		DIE SET											L45ART
648		DIE SET											L648
654		DIE SET	PURPLE						U654	U654	U654	U654	L654
655	13A	DIE SET							U655	U655	U655	U655	
658		DIE SET							U658	U658	U658	U658	
659		DIE SET				W659			U659	U659	U659	U659	
660		DIE SET				W660	X660		U660	U660	U660	U660	
667		DIE SET											L667
668		DIE SET							U668	U668	U668	U668	
676		DIE SET							U676	U676	U676	U676	
677		DIE SET							U677	U677	U677	U677	L677
678		DIE SET							U678	U678	U678	U678	
679		DIE SET							U679	U679	U679	U679	
684		DIE SET											L684
687		DIE SET				W687	X687						
690	1S	DIE SET				W690			U690	U690	U690	U690	
691	2S	DIE SET				W691			U691	U691	U691	U691	
692	4S	DIE SET				W692			U692	U692	U692	U692	
693	6A	DIE SET				W693			U693	U693	U693	U693	
694	10A	DIE SET				W694			U694	U694	U694	U694	
702		DIE SET				W702							

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
BURNDY	EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
705		DIE SET							U705	U705	U705	U705	
717 ⑤		DIE SET									S717	P717	L717/ L717W
718 ⑤		DIE SET											L718
719 ⑤		DIE SET									S719	P719	L719/ L719W
720 ⑤		DIE SET									S720	P720	L720/ L720W
721 ⑤		DIE SET											L721
722 ⑤		DIE SET									S722	P722	L722/ L722W
723 ⑤		DIE SET											L723
724 ⑤		DIE SET									S724	P724	L724/ L724W
725 ⑤		DIE SET									S725	P725	L725/ L725W
726 ⑤		DIE SET											L726
727 ⑤		DIE SET											L727/ L727W
728 ⑤		DIE SET											L728/ L728W
729 ⑤		DIE SET											L729/ L729W
735 ⑤		DIE SET											L735/ L735W
740 ⑤		DIE SET											L740
786		DIE SET							U786	U786	U786	U786	
788		DIE SET							U788	U788	U788	U788	
789		DIE SET											L789
936 ⑤		DIE SET	YELLOW		1 CRIMP				U39ART2	U39ART2	U39ART2	U39ART2	L39ART2
997		DIE SET	ORANGE						U997	U997	U997	U997	
998		DIE SET								PU998	S998	P998	
999		DIE SET									S999	P999	
1011		DIE SET								U1011	S1011	P1011	
1012		DIE SET									S1012		
1013		NEST		MY2911					UV8L	UV8L	UV8L	UV8L	
		INDENTOR							Y34PL	Y34PL	Y34PL	Y34PL	
1014		NEST		MY2911					U6CD1	U6CD1	U6CD1	U6CD1	
		INDENTOR							Y34PR	Y34PR	Y34PR	Y34PR	
1015		NEST		MY2911					U4CD1	U4CD1	U4CD1	U4CD1	
		INDENTOR							Y34PR	Y34PR	Y34PR	Y34PR	
1016		NEST		MY2911					U3CD1	U3CD1	U3CD1	U3CD1	
		INDENTOR							Y34PR	Y34PR	Y34PR	Y34PR	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES								
GROOVE						MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series
BURNDY	E EI	TYPE	COLOR											
1017		NEST		MY2911					U2CD1	U2CD1	U2CD1	U2CD1		
		INDENTOR											Y34PR	Y34PR
1018		NEST		MY2911					U1CD1	U1CD1	U1CD1	U1CD1		
		INDENTOR											Y34PR	Y34PR
1019		NEST		MY2911					U25D1	U25D1	U25D1	U25D1		
		INDENTOR											Y34PR2	Y34PR2
1020		NEST		MY2911					U26D1	U26D1	U26D1	U26D1		
		INDENTOR											Y34PR2	Y34PR2
1021		NEST		MY2911					U27D1	U27D1	U27D1	U27D1		
		INDENTOR											Y34PR2	Y34PR2
1022		NEST		MY2911					U28D1	U28D1	U28D1	U28D1		
		INDENTOR											Y34PR2	Y34PR2
1023		NEST		MY2911					U29D1	U29D1	U29D1	U29D1		
		INDENTOR											Y34PR2	Y34PR2
1024		NEST							U30D1	U30D1	U30D1	U30D1		
		INDENTOR											Y34PR2	Y34PR2
1025		NEST							U31D1	U31D1	U31D1	U31D1		
		INDENTOR											Y34PR2	Y34PR2
1026		NEST							U32D1	U32D1	U32D1	U32D1		
		INDENTOR											Y34PR2	Y34PR2
1027		NEST							U34D1	U34D1	U34D1	U34D1		
		INDENTOR											Y34PR2	Y34PR2
1028		NEST											P36D	
		INDENTOR												
1029		NEST											P38D	
		INDENTOR												
1030		NEST											P39D	
		INDENTOR												
1031		NEST											P40D	
		INDENTOR												
1032		NEST											P44D	
		INDENTOR												
1102		DIE SET	WHITE										P1102	
1103		DIE SET	BLUE											P1103
1104		DIE SET	BROWN							U1104				P1104
1105		DIE SET								U1105				P1105
2000		NEST							U27B	U27B	U27B			
		INDENTOR											Y34PR15	Y34PR15

See Footnotes preceding the table.

COLOR CODING FOR OVERHEAD CONNECTORS

Color Code	Wire Dia. per Strand			
	Str.	Compact	Sol.	ACSR
Brown	10		8	
Green	8		6	
Blue	5, 6		4	6
Orange	3, 4	#2	2	4
Red	1-19, 2	1/0	1	2
Yellow	1/0	2/0		1/0, 1
Gray	2/0	3/0		2/0
Black	3/0	4/0		3/0
Pink	4/0	266, 300		4/0
Red	250			
White	266			
Blue	300	350		266.8 (26/7, 18/1)
Brown	336			
Green	350, 397, 400			336.4 (26/7, 18/1)
Gray	450			
Pink	500			477 (18/1)
Green	556			
Purple	600			
Yellow				556.5 (24/7, 26/7)
Blue	650			
Red	700			
Yellow	750			
Orange	800			
White	900			
Brown	1000			

NOTE: This chart is only intended as a guide. For specific applications, refer to the catalog page of the connector.

COLOR CODING FOR AL/CU CONNECTORS

Color Code	Str.	Color Code	Str.
Blue	8	Blue	300
Gray	6	Brown	350
Green	4	Green	400
Pink	2	Pink	500
Gold	1	Black	600
Tan	1/0	Yellow	700/750
Olive	2/0	Red	700/750
Ruby	3/0	Brown	1000
White	4/0	Blue	1500
Red	250	Red	2000

NOTE: This chart is only intended as a guide. For specific applications, refer to the catalog page of the connector.

COLOR CODING FOR COPPER LUGS AND SPLICES

Color Code	Code Size		Flex Cable
	Str.	Sol.	
Red	8	6	8
Blue	6		6
Blue	5		
Gray	4		4
White	3	2	
Brown	2		2
Green	1		1
Pink	1/0		1/0
Black	2/0		2/0
Orange	3/0		3/0
Purple	4/0		4/0
Yellow	250		4/0 and 250
White	300		250
Red	350		313.1
Blue	400		373.7
Brown	500		444.4
Green	600		
Pink	700		535.3
Purple			600
Black	750		646
Yellow			777.7
Orange	800		
White	1000		
Yellow			1111
Green	1500		
Brown	2000		

NOTE: This chart is only intended as a guide. For specific applications, refer to the catalog page of the connector.

BURNDY® REGISTERED AND TRADE NAMES

Registered Name	Registered/Trade Name	Catalog Section	Registered/Trade Name	Catalog Section
4-POINT®	4-POINT™	N	MOLE™	A, K
BONDIT®	ALFLUID™	N	MOLIMITER™	K
BURNDY®	BARTAP™	A, E, L	OKLIP™	A, H
BURNDYWeld®	BONDIT®	E	PATRIOT®	N
The CONSTRICTOR®	BURNDYWeld®	E	PENETROX™	F
ENFORCER®	CABELOK™	H	POLYTAP™	A
GRIDMAX®	CLIPIT™	H	POPPER™	N
HYGROUND®	CRIMPIT™	C, E, H	POSI-PRESS™	N
IMPLO®	The CONSTRICTOR®	E	POWERLUG™	J
INFINITY DRIVE®	DURIUM™	F	QIKLINK™	A
IN-LINE®	ENFORCER®	N	QIKLITE®	E
PATRIOT®	FASTAP™	H	QIKLUG™	A, E
SERVIT®	FINGRIP™	B	QIKTAP™	B
WEEB®	FLEXITAP™	A	SCRULUG™	A
There is Only One IMPLO®	GRIDLOK™	E	SERVIT POST™	E
	GRIDMAX®	E	SERVIT®	A, H
Connecting Power to Your World®	GROUNDLINK™	E	STIRRUP™	H, J
	GROUNDMAX™	E	STUDBUG™	E
	HYCRAB™	K	SUPER-CLAMP™	E
	HYCRIMP™	H	TAPIT™	H
	HYDENT™	B, C	TRITAP™	A
	HYFLUID™	N	U-BLOK™	A
	HYGRID™	E	UNIGROUND™	E
	HYGROUND®	E	UNIRAP™	G
	HYLINK™	B, C, E	UNISPLICE™	H
	HYLUG™	B, C, E, H	UNITAP™	A
	HYPLUG™	C, H	VARILUG™	L
	HYPRESS™	N	VARITAP™	A
	HYREDUCER™	B, C	VERSILUG™	A
	HYSEALPLUG™	H	VERSIPOLE™	A
	HYSEALUG™	H	VERSITAIL™	E
	HYSPLICE™	C, H	VERSITAP™	A, H
	Hystack™	C	VINYLUG™	B
	HYTAIL™	E	VISEIT™	H
	HYTAP™	C, E	VISI-SHRINK™	D
	HYTEE™	H	WEEB®	E
	HYTOOL™	N	WEJTAP™	J
	INFINITY DRIVE®	N	WIREMIKE™	N
	IN-LINE®	N		
	INSULUG™	B		
	KA-LUG™	A		
	KOMPRESSOR™	N		
	L'IL CRIMP™	N		
	LINEMAN ASSIST™	H		
	LOKTAP™	H		

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

15	E-105	1PLD2504	A-54	31SWBOX	F-7
25	E-105	1PLD2506	A-54	31X100HEBBOX	F-6
32	E-105	1PLD3502	A-54	31X125HEBBOX	F-6
45	E-105	1PLD3503	A-54	31X150HEBBOX	F-6
65	E-105	1PLD3504	A-54	31X175HEBBOX	F-6
90	E-105	1PLD3506	A-54	31X200HEBBOX	F-6
115	E-105	1PLD3508	A-54	31X250HEBBOX	F-6
150	E-105	1PLD43	A-54	31X300HEBBOX	F-6
200	E-105	1PLD44	A-54	31X50HEBBOX	F-6
250	E-105	1PLD6002	A-54	31X62HEBBOX	F-6
500	E-105	1PLD6003	A-54	31X75HEBBOX	F-6
433206016010	N-27	1PLD6004	A-54	32Q	E-104
07CD60	N-57	1PLD6005	A-54	34AH60	N-62
08CD60	N-57	1PLD6006	A-54	36AH60	N-62
09CD60	N-57	1PLD6008	A-54	38AH60	N-62
100X200HGSBBOX	F-9	1PLD75010HD	A-54	38FWBOX	F-7
10CD60	N-57, N-58	1PLD75012HD	A-54	38FWSSBOX	F-10
10SH60	N-61, N-62	1PLD7502HD	A-54	38HGSN009BOX	F-9
115Q	E-104	1PLD7503HD	A-54	38HGSNBOX	F-9
11CD60	N-58	1PLD7504HD	A-54	38HSSNBOX	F-10
12CD60	N-58, N-59	1PLD7505HD	A-54	38NWBOX	F-7
12SH60	N-61, N-62	1PLD7506HD	A-54	38NWGSBOX	F-9
13CD60	N-59	1PLD7508HD	A-54	38SWBOX	F-7
145PTAG	G-32	1PLO2/02	A-53	38SWSSMDBOX	F-10
14CD60	N-59	1PLO2502	A-53	38X100HEBBOX	F-6
14SH60	N-61, N-62	1PLO3502	A-53	38X125HEBBOX	F-6
150Q	E-104	1PLO42	A-53	38X125HGSBBOX	F-9
15CD60	N-59	1PLO6002	A-53	38X125HSSBBOX	F-10
15Q	E-104	200Q	E-104	38X150HEBBOX	F-6
16CD60	N-60	20AH60	N-61	38X175HEBBOX	F-6
16SH60	N-62	24AH60	N-61	38X200HEBBOX	F-6
17CD60	N-60	250Q	E-104	38X225HEBBOX	F-6
1PBS1/0	A-53	25FWBOX	F-7	38X225HGSBBOX	F-9
1PBS2	A-53	25FWSBOX	F-10	38X225HSSBBOX	F-10
1PBS250	A-53	25HSSNBOX	F-10	38X250HEBBOX	F-6
1PBS350	A-53	25NWBOX	F-7	38X250HSSBBOX	F-10
1PBS500	A-53	25Q	E-104	38X275HEBBOX	F-6
1PBS750HD	A-53	25SWBOX	F-7	38X275HGSBBOX	F-9
1PL2/02	A-53	25SWSSLTBOX	F-10	38X275HSSBBOX	F-10
1PL2/03	A-53	25X100HEBBOX	F-6	38X300HEBBOX	F-6
1PL2502	A-53	25X125HEBBOX	F-6	38X325HEBBOX	F-6
1PL2503	A-53	25X150HEBBOX	F-6	38X350HEBBOX	F-6
1PL3502	A-53	25X200HEBBOX	F-6	38X400HEBBOX	F-6
1PL42	A-53	25X250HEBBOX	F-6	38X450HEBBOX	F-6
1PL43	A-53	25X300HEBBOX	F-6	38X500HEBBOX	F-6
1PL44	A-53	25X50HEBBOX	F-6	38X50HEBBOX	F-6
1PL6002	A-53	25X62HEBBOX	F-6	38X62HEBBOX	F-6
1PLD2/02	A-54	25X75HEBBOX	F-6	38X75BWSSBOX	F-11
1PLD2/03	A-54	27AH60	N-61	38X75HEBBOX	F-6
1PLD2/04	A-54	30AH60	N-61, N-62	38X81FWGSBOX	F-9
1PLD2/06	A-54	31CHGSNBOX	F-9	38X88HEBBOX	F-6
1PLD2502	A-54	31FWBOX	F-7	3S	A-62
1PLD2503	A-54	31NWBOX	F-7	3U	A-62

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

40AH60.....	N-62	50X425HABBOX.....	F-8	75FWBOX.....	F-7
44FWBOX.....	F-7	50X450HABBOX.....	F-8	75HGSNBOX.....	F-9
44NWBOX.....	F-7	50X450HEBBOX.....	F-6	75HSSNBOX.....	F-10
44SWBOX.....	F-7	50X500HABBOX.....	F-8	75NWBOX.....	F-7
44X150HEBBOX.....	F-6	50X500HEBBOX.....	F-6	75NWGSBOX.....	F-9
44X200HEBBOX.....	F-6	50X550HABBOX.....	F-8	75SH60.....	N-61
45Q.....	E-104	50X550HEBBOX.....	F-6	75SWBOX.....	F-7
4S.....	A-62	50X600HEBBOX.....	F-6	75X125HGSSBBOX.....	F-9
4U.....	A-62	50X75HEBBOX.....	F-6	75X200HGSSBBOX.....	F-9
500Q.....	E-104	62FWABOX.....	F-8	75X300HSSBBOX.....	F-10
50FWABOX.....	F-8	62FWBOX.....	F-7	75X500HGSSBBOX.....	F-9
50FWBOX.....	F-7	62FWSSBOX.....	F-10	75X600HGSSBBOX.....	F-9
50FWSSBOX.....	F-10	62HANBOX.....	F-8	76AH60.....	N-61
50HANBOX.....	F-8	62HGSNBOX.....	F-9	90Q.....	E-104
50HGSNBOX.....	F-9	62HSSNBOX.....	F-10	ACC.....	E-137, G-30
50HSSNBOX.....	F-10	62NWBOX.....	F-7	ACC-ECTA1211.....	E-140
50NWBOX.....	F-7	62NWGSBOX.....	F-9	ACC-ECTA1214.....	E-140
50NWGSBOX.....	F-9	62SWALBOX.....	F-8	ACC-ECTA128.....	E-140
50SWALBOX.....	F-8	62SWBOX.....	F-7	ACC-ECTA611.....	E-140
50SWBOX.....	F-7	62SWSSMDBOX.....	F-10	ACC-ECTA614.....	E-140
50SWSSMDBOX.....	F-10	62X100HEBBOX.....	F-6	ACC-ECTA68.....	E-140
50X100HEBBOX.....	F-6	62X100HGSSBBOX.....	F-9	ACC-ECTB1211.....	E-140
50X100HGSSBBOX.....	F-9	62X125HEBBOX.....	F-6	ACC-ECTB1214.....	E-140
50X106BWSSBOX.....	F-11	62X131FWGSBOX.....	F-9	ACC-ECTB128.....	E-140
50X106FWGSBOX.....	F-9	62X150HEBBOX.....	F-6	ACC-ECTB611.....	E-140
50X125HEBBOX.....	F-6	62X175HABBOX.....	F-8	ACC-ECTB614.....	E-140
50X150HABBOX.....	F-8	62X175HEBBOX.....	F-6	ACC-ECTB68.....	E-140
50X150HEBBOX.....	F-6	62X175HGSSBBOX.....	F-9	ACC-F1-270.....	E-138, G-31
50X150HGSSBBOX.....	F-9	62X200HABBOX.....	F-8	ACC-F2-90.....	E-138, G-31
50X175HABBOX.....	F-8	62X200HEBBOX.....	F-6	ACC-F490.....	E-138, G-31
50X175HEBBOX.....	F-6	62X225HABBOX.....	F-8	ACC-F4-90-1.....	E-138, G-31
50X200HABBOX.....	F-8	62X225HEBBOX.....	F-6	ACC-F4F.....	E-138, G-31
50X200HEBBOX.....	F-6	62X250HABBOX.....	F-8	ACC-F90-1.....	E-138, G-31
50X200HGSSBBOX.....	F-9	62X250HEBBOX.....	F-6	ACC-FBC.....	E-139, G-28
50X200HSSBBOX.....	F-10	62X275HEBBOX.....	F-6	ACC-FLD.....	E-137, G-30
50X225HABBOX.....	F-8	62X300HABBOX.....	F-8	ACC-FPV.....	E-137, G-30
50X225HEBBOX.....	F-6	62X300HEBBOX.....	F-6	ACC-FPV180.....	E-138, G-31
50X250HABBOX.....	F-8	62X300HSSBBOX.....	F-10	ACC-FPV90.....	E-138, G-31
50X250HEBBOX.....	F-6	62X325HEBBOX.....	F-6	ACC-PV.....	E-137, G-30
50X250HSSBBOX.....	F-10	62X350HABBOX.....	F-8	ACC-R2.....	E-138, G-31
50X275HABBOX.....	F-8	62X350HEBBOX.....	F-6	ACC-R4.....	E-138, G-31
50X275HEBBOX.....	F-6	62X400HABBOX.....	F-8	ACC-RBC15.....	E-138, G-31
50X300HABBOX.....	F-8	62X400HEBBOX.....	F-6	ACE-1P.....	E-156
50X300HEBBOX.....	F-6	62X450HABBOX.....	F-8	ACE-2C.....	E-156
50X300HSSBBOX.....	F-10	62X450HEBBOX.....	F-6	ACE-2P.....	E-156
50X325HABBOX.....	F-8	62X500HABBOX.....	F-8	ACE-3C.....	E-156
50X325HEBBOX.....	F-6	62X500HEBBOX.....	F-6	ACE-3C-1GND.....	E-156
50X350HABBOX.....	F-8	62X550HABBOX.....	F-8	ACE-3C-DF.....	E-156
50X350HEBBOX.....	F-6	62X600HABBOX.....	F-8	ACE-3P.....	E-156
50X375HABBOX.....	F-8	62X600HEBBOX.....	F-6	ACE-4C.....	E-156
50X375HEBBOX.....	F-6	65Q.....	E-104	ACE-4P.....	E-156
50X400HABBOX.....	F-8	74SH60.....	N-61	ACE-PT.....	E-156
50X400HEBBOX.....	F-6	75AH60.....	N-61	ACE-PTD.....	E-156

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

AFLUIDQT.....	N-98	B-1225-H.....	E-120	B-1321.....	E-111
AGSKIT2.....	A-32	B-1226-H.....	E-120	B-1322.....	E-111
AGSKIT250.....	A-32	B-1228-H.....	E-120	B-1323.....	E-111
ALFLUIDGAL.....	N-98	B-1270.....	E-110	B-1324.....	E-111
AMS0.....	A-30	B-1271.....	E-110	B-1325.....	E-111
AMS1000.....	A-30	B-1272.....	E-110	B-1326.....	E-111
AMS2.....	A-30	B-1273.....	E-110	B-1327.....	E-111
AMS250.....	A-30	B-1274.....	E-110	B-1328.....	E-111
AMS350.....	A-30	B-1275.....	E-110	B-1329.....	E-111
AMS4/0.....	A-30	B-1276.....	E-110	B-1330.....	E-111
AMS500.....	A-30	B-1277.....	E-110	B-1331.....	E-111
AMS750.....	A-30	B-1278.....	E-110	B-1332.....	E-111
ASA1000U.....	C-134	B-1279.....	E-110	B-1333.....	E-111
ASA250U.....	C-134	B-1280.....	E-110	B-1334.....	E-111
ASA800U.....	C-134	B-1281.....	E-110	B-1335.....	E-111
AYP1.....	C-199	B-1282.....	E-110	B-1336.....	E-111
AYP1/0.....	C-199	B-1283.....	E-110	B-1581.....	E-114
AYP2.....	C-199	B-1284.....	E-110	B-1582.....	E-114
AYP250.....	C-199	B-1285.....	E-110	B-1583.....	E-114
AYP350.....	C-199	B-1286.....	E-110	B-1584.....	E-114
AYP4.....	C-199	B-1287.....	E-110	B-1586.....	E-114
AYP500.....	C-199	B-1288.....	E-110	B-1587.....	E-114
AYP6.....	C-199	B-1289.....	E-110	B-1588.....	E-114
AYP750.....	C-199	B-1290.....	E-110	B-1589.....	E-114
AYP900.....	C-199	B-1291.....	E-110	B-1593.....	E-114
AYPO1000.....	C-199	B-1292.....	E-110	B-1594.....	E-114
AYPO2/0.....	C-199	B-1293.....	E-110	B-1595.....	E-114
AYPO250.....	C-199	B-1294.....	E-110	B-1596.....	E-114
AYPO3/0.....	C-199	B-1295.....	E-110	B-1597.....	E-114
AYPO300.....	C-199	B-1296.....	E-110	B-1601.....	E-114
AYPO350.....	C-199	B-1297.....	E-110	B-1602.....	E-114
AYPO4/0.....	C-199	B-1298.....	E-110	B-1603.....	E-114
AYPO400.....	C-199	B-1299.....	E-110	B-1604.....	E-114
AYPO500.....	C-199	B-1300.....	E-110	B-1605.....	E-114
AYPO600.....	C-199	B-1301.....	E-110	B-1606.....	E-114
AYPO750.....	C-199	B-1302.....	E-110	B-1610.....	E-114
AYPO900.....	C-199	B-1303.....	E-110	B-1611.....	E-114
B-106.....	E-130	B-1304.....	E-110	B-1613.....	E-122
B106-32.....	E-131	B-1305.....	E-110	B-1614.....	E-122
B106-37.....	E-131	B-1306.....	E-110	B-1615.....	E-122
B-107.....	E-130	B-1307.....	E-110	B-1616.....	E-122
B107-32.....	E-131	B-1308.....	E-110	B-1617.....	E-122
B-1208.....	E-111	B-1309.....	E-110	B-1618.....	E-122
B-1212.....	E-116	B-1310.....	E-110	B-1619.....	E-122
B-1215.....	E-120	B-1311.....	E-111	B-1620.....	E-122
B-1216.....	E-120	B-1313.....	E-111	B-1626.....	E-121
B-1218.....	E-120	B-1314.....	E-111	B-1627.....	E-121
B-1219.....	E-120	B-1315.....	E-111	B-1628.....	E-121
B-1220.....	E-120	B-1316.....	E-111	B-1629.....	E-121
B-1221.....	E-120	B-1317.....	E-111	B-1630.....	E-121
B-1222.....	E-120	B-1318.....	E-111	B-1631.....	E-121
B-1223.....	E-120	B-1319.....	E-111	B-1632.....	E-121
B-1224.....	E-120	B-1320.....	E-111	B-1633.....	E-121

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-1634	E-121	B22F364N	E-81	B24G244N	E-81
B-1635	E-121	B22G184N	E-81	B24G364N	E-81
B-1636	E-121	B22G244N	E-81	B-250	E-107
B-1637	E-121	B22G364N	E-81	B-2506	E-117
B-1638	E-121	B-230	E-107	B-2507	E-117
B-1639	E-121	B-231	E-107	B-2509	E-117
B-1640	E-121	B-232	E-107	B-251	E-107
B-1641	E-121	B-2320	E-116	B-2510	E-116
B-1642	E-121	B-234	E-107	B-2511	E-117
B1643	E-121	B-235	E-107	B-252	E-107
B-1644	E-121	B-236	E-107	B-253	E-107
B-1645	E-121	B-237	E-107	B-254	E-107
B-1646	E-121	B-238	E-107	B-2540	E-120
B-1648	E-121	B-239	E-107	B-2542	E-117
B-1649	E-121	B23F184N	E-81	B-255	E-107
B-1650	E-121	B23F244N	E-81	B-2558	E-116
B-205	E-106	B23F364N	E-81	B-256	E-107
B-206	E-106	B23G184N	E-81	B-2566	E-115
B-207	E-106	B23G244N	E-81	B-2567	E-122
B-208	E-106	B23G364N	E-81	B-2568	E-122
B-2084	E-116	B-240	E-107	B-257	E-107
B-209	E-106	B-241	E-107	B-258	E-107
B-210	E-106	B-242	E-107	B-2583	E-119
B-211	E-106	B-243	E-107	B-2583-S	E-119
B-213	E-106	B-244	E-107	B-259	E-107
B-214	E-106	B-245	E-107	B-260	E-107
B-215	E-106	B-2450	E-116	B-261	E-107
B-2154	E-114	B-246	E-107	B-262	E-107
B-2155	E-114	B-247	E-107	B-263	E-107
B-2156	E-114	B-2476	E-119	B-264	E-107
B-2157	E-114	B-2477	E-119	B-265	E-107
B-2158	E-114	B-2478	E-119	B-266	E-107
B-2159	E-114	B-248	E-107	B-267	E-107
B-2160	E-114	B-2480	E-119	B-268	E-107
B-2161	E-114	B-2480-S	E-119	B-2687	E-109
B-2162	E-114	B-2482	E-119	B-2689	E-109
B-2163	E-114	B-2483	E-119	B-269	E-107
B-2164	E-114	B-2484	E-119	B-2690	E-109
B-2165	E-114	B-2486	E-119	B-2691	E-109
B-2189	E-120	B-2487	E-119	B-2692	E-109
B-2199	E-117	B-2488	E-119	B-2693	E-109
B-2200	E-117	B-249	E-107	B-2694	E-109
B-221	E-107	B-2490	E-119	B-2695	E-109
B-223	E-107	B-2491	E-119	B-2696	E-109
B-2235	E-116	B-2493	E-119	B-2697	E-109
B-224	E-107	B-2494	E-119	B-2698	E-109
B-225	E-107	B-2495	E-119	B-2699	E-109
B-226	E-107	B-2497	E-119	B-270	E-107
B-227	E-107	B-2498	E-119	B-2700	E-109
B-228	E-107	B24F184N	E-81	B-2701	E-109
B-229	E-107	B24F244N	E-81	B-2702	E-109
B22F184N	E-81	B24F364N	E-81	B-2703	E-109
B22F244N	E-81	B24G184N	E-81	B-2704	E-109

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-2705.....	E-109	B32G244N.....	E-82	B3G12N.....	E-76
B-2706.....	E-109	B32G364N.....	E-82	B40-0106-27.....	E-131
B-2707.....	E-109	B-333.....	E-107	B40-0106-41.....	E-131
B-2708.....	E-109	B33F184N.....	E-82	B40-0106-75.....	E-130
B-2709.....	E-109	B33F244N.....	E-82	B40-0106-76.....	E-131
B-2710.....	E-109	B33F364N.....	E-82	B40-0106-77.....	E-131
B-2711.....	E-109	B33G184N.....	E-82	B40-0106-78.....	E-131
B-2712.....	E-109	B33G244N.....	E-82	B40-0319-01.....	E-132
B-2713.....	E-109	B33G364N.....	E-82	B40-0319-03.....	E-132
B-2714.....	E-109	B370320-01.....	E-105	B40-3657-00.....	E-130
B-2715.....	E-109	B370320-02.....	E-105	B40-4431-00.....	E-131
B-2716.....	E-109	B370320-03.....	E-105	B40-4431-01.....	E-131
B-2717.....	E-109	B38-0101-00.....	E-133	B-423.....	E-108
B-2718.....	E-109	B38-0101-01.....	E-133	B-424.....	E-108
B-2719.....	E-109	B38-0135-01.....	E-132	B-425.....	E-108
B-2747.....	E-109	B38-0302-00.....	E-133	B-426.....	E-108
B-2751.....	E-109	B38-0302-02.....	E-133	B-427.....	E-108
B-2752.....	E-109	B38-0303-00.....	E-133	B-428.....	E-108
B-2753.....	E-109	B38-0304-00.....	E-133	B-429.....	E-108
B-2754.....	E-109	B38-0305-00.....	E-132, E-133	B-430.....	E-108
B-2755.....	E-109	B38-0306-00.....	E-132, E-133	B-431.....	E-108
B-2756.....	E-109	B38-0307-00.....	E-133	B-432.....	E-108
B-2757.....	E-109	B38-0308-00.....	E-133	B-433.....	E-108
B-2761.....	E-122	B38-0309-00.....	E-133	B-434.....	E-108
B-2781.....	E-120	B38-0309-01.....	E-133	B-435.....	E-108
B-280.....	E-107	B38-0330-00.....	E-132	B-436.....	E-108
B-282.....	E-107	B38-3662-01.....	E-134	B-437.....	E-108
B-283.....	E-107	B38-3662-02.....	E-134	B-438.....	E-108
B-284.....	E-107	B38-3662-03.....	E-134	B-439.....	E-108
B-285.....	E-107	B38-3662-04.....	E-134	B-440.....	E-108
B-286.....	E-107	B38-3662-05.....	E-134	B-441.....	E-108
B-287.....	E-107	B38-3662-06.....	E-134	B-442.....	E-108
B-288.....	E-107	B38-3922-00.....	E-132, E-133	B-443.....	E-108
B-289.....	E-107	B38412900.....	E-132	B-444.....	E-108
B-290.....	E-107	B38412905.....	E-132	B-445.....	E-108
B-291.....	E-107	B38-6330-00.....	E-97	B-446.....	E-108
B-293.....	E-107	B38-6330-01.....	E-97	B-447.....	E-108
B-294.....	E-107	B38-6331-00.....	E-97	B-448.....	E-108
B-295.....	E-107	B38-6333-00.....	E-97	B-449.....	E-108
B-296.....	E-107	B38-6334-00.....	E-97	B-450.....	E-108
B-297.....	E-107	B38-6334-01.....	E-97	B-451.....	E-108
B-298.....	E-107	B38-6335-00.....	E-97	B-452.....	E-108
B2D12.....	E-76	B38-7228-00.....	E-97	B-453.....	E-108
B2D12N.....	E-76	B38-7230-00.....	E-97	B-454.....	E-108
B2E12.....	E-76	B38-7725-00.....	E-97	B-455.....	E-108
B2E12N.....	E-76	B38-7725-01.....	E-97	B-456.....	E-108
B2F12.....	E-76	B3D12.....	E-76	B-457.....	E-108
B2F12N.....	E-76	B3D12N.....	E-76	B-458.....	E-108
B2G12N.....	E-76	B3E12.....	E-76	B-459.....	E-108
B32F184N.....	E-82	B3E12N.....	E-76	B-460.....	E-108
B32F244N.....	E-82	B3F12.....	E-76	B-461.....	E-108
B32F364N.....	E-82	B3F12N.....	E-76	B-462.....	E-108
B32G184N.....	E-82	B3G12.....	E-76	B-463.....	E-108

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-464.....	E-108	B-521.....	E-112	B-548.....	E-113
B-465.....	E-108	B-523.....	E-112	B-549.....	E-113
B-466.....	E-108	B-524.....	E-112	B-550.....	E-113
B-467.....	E-108	B-525.....	E-112	B-551.....	E-113
B-468.....	E-108	B-526.....	E-112	B-5513.....	E-115
B-469.....	E-108	B-527.....	E-112	B-5515.....	E-115
B-470.....	E-108	B-528.....	E-112	B-5517.....	E-116
B-471.....	E-108	B-529.....	E-112	B-552.....	E-113
B-472.....	E-108	B-5294.....	E-115	B-553.....	E-113
B-483.....	E-108	B-530.....	E-112	B-555.....	E-113
B-485.....	E-108	B-531.....	E-112	B-5555.....	E-115
B-486.....	E-108	B-5321.....	E-114	B-5556.....	E-115
B-487.....	E-108	B-533.....	E-112	B-556.....	E-113
B-488.....	E-108	B-5330.....	E-116	B-5560.....	E-116
B-489.....	E-108	B-5331.....	E-118	B-5561.....	E-115
B-490.....	E-108	B-5332.....	E-116	B-557.....	E-113
B-491.....	E-108	B-5333.....	E-116	B-5573.....	E-116
B-492.....	E-108	B-5334.....	E-116	B-5574.....	E-107
B-493.....	E-108	B-5335.....	E-116	B-558.....	E-113
B-495.....	E-112	B-5336.....	E-116	B-559.....	E-113
B-496.....	E-112	B-5337.....	E-116	B-560.....	E-113
B-497.....	E-112	B-5338.....	E-116	B-5604.....	E-116
B-498.....	E-112	B-534.....	E-112	B-561.....	E-113
B-499.....	E-112	B-5340.....	E-111	B-5618.....	E-110
B4D12.....	E-76	B-5341.....	E-116	B-562.....	E-113
B4D12N.....	E-76	B-5342.....	E-111	B-5623.....	E-106
B4E12.....	E-76	B-535.....	E-112	B-5624.....	E-106
B4E12N.....	E-76	B-5351.....	E-116	B-5625.....	E-106
B4F12.....	E-76	B-5352.....	E-116	B-5626.....	E-106
B4F12N.....	E-76	B-5353.....	E-116	B-5627.....	E-111
B4G12N.....	E-76	B-5359.....	E-120	B-5629.....	E-111
B-500.....	E-112	B-5361.....	E-120	B-563.....	E-113
B-501.....	E-112	B-5362.....	E-120	B-5630.....	E-111
B-502.....	E-112	B-5363.....	E-120	B-5631.....	E-111
B-5021.....	E-107	B-537.....	E-113	B-5632.....	E-111
B-503.....	E-112	B-538.....	E-113	B-5634.....	E-111
B-504.....	E-112	B-5380.....	E-115	B-5635.....	E-111
B-505.....	E-112	B-5389.....	E-120	B-5636.....	E-111
B-506.....	E-112	B-539.....	E-113	B-5637.....	E-111
B-5065.....	E-118	B-5390.....	E-115	B-5638.....	E-111
B-507.....	E-112	B-540.....	E-113	B-5639.....	E-111
B-508.....	E-112	B-541.....	E-113	B-564.....	E-113
B-509.....	E-112	B-5416.....	E-115	B-5640.....	E-116
B-510.....	E-112	B-5419.....	E-122	B-5642.....	E-111
B-511.....	E-112	B-542.....	E-113	B-5644.....	E-111
B-513.....	E-112	B-5428.....	E-116	B-5645.....	E-111
B-514.....	E-112	B-543.....	E-113	B-5652.....	E-111
B-515.....	E-112	B-5432.....	E-109	B-5659.....	E-111
B-516.....	E-112	B-544.....	E-113	B-566.....	E-113
B-517.....	E-112	B-545.....	E-113	B-5660.....	E-114
B-518.....	E-112	B-546.....	E-113	B-5667.....	E-116
B-519.....	E-112	B-547.....	E-113	B-5668.....	E-111
B-520.....	E-112	B-5475.....	E-107	B-567.....	E-113

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-5676.....	E-111	B-5940.....	E-115	B-6630.....	E-114
B-5677.....	E-116	B-5943.....	E-111	B-6766.....	E-116
B-5679.....	E-111	B-595.....	E-119	B-6906.....	E-114
B-5680.....	E-111	B-596.....	E-119	B-7075.....	E-117
B-5682.....	E-111	B-5961.....	E-115	B-7146.....	E-117
B-5684.....	E-111	B-5963.....	E-115	B-7192.....	E-118
B-5686.....	E-111	B-5972.....	E-115	B-7500.....	E-123
B-5688.....	E-111	B-598.....	E-119	B-7501.....	E-123
B-569.....	E-113	B-599.....	E-119	B-7502.....	E-123
B-5698.....	E-115	B-5992.....	E-115	B-7503.....	E-123
B-5699.....	E-115	B-600.....	E-119	B-7504.....	E-123
B-570.....	E-113	B-6002.....	E-116	B-7505.....	E-123
B-5702.....	E-116	B-6003.....	E-115	B-7506.....	E-123
B-5709.....	E-110	B-602.....	E-118	B-7507.....	E-123
B-571.....	E-113	B-6025.....	E-115	B-7508.....	E-123
B-572.....	E-113	B-603.....	E-118	B-7509.....	E-123
B-5722.....	E-115	B-604.....	E-118	B-7510.....	E-123
B-573.....	E-113	B-6046.....	E-111	B-7511.....	E-123
B-5732.....	E-115	B-6048.....	E-115	B-7512.....	E-123
B-5734.....	E-115	B-605.....	E-118	B-7513.....	E-123
B-5738.....	E-115	B-6051.....	E-116	B-7514.....	E-123
B-574.....	E-113	B-6060.....	E-122	B-7515.....	E-123
B-5746.....	E-115	B-6061.....	E-122	B-7520.....	E-123
B-575.....	E-113	B-6067.....	E-122	B-7521.....	E-123
B-5767.....	E-116	B-6072.....	E-122	B-7522.....	E-123
B-577.....	E-113	B-6114.....	E-117	B-7523.....	E-123
B-5777.....	E-115	B-616.....	E-118	B-7528.....	E-123
B-578.....	E-113	B-6165.....	E-115	B-7529.....	E-123
B-5781.....	E-112	B-617.....	E-118	B-7530.....	E-123
B-579.....	E-113	B-618.....	E-118	B-7531.....	E-123
B-5803.....	E-115	B-619.....	E-118	B-7588.....	E-124
B-5807.....	E-115	B-620.....	E-118	B-7589.....	E-124
B-5820.....	E-115	B-6208.....	E-116	B-7590.....	E-124
B-5821.....	E-115	B-621.....	E-118	B-7591.....	E-124
B-5830.....	E-115	B-622.....	E-118	B-7592.....	E-124
B-5833.....	E-115	B-624.....	E-118	B-7593.....	E-124
B-585.....	E-119	B-625-H.....	E-118	B-7594.....	E-124
B-5850.....	E-115	B-626-H.....	E-118	B-7595.....	E-124
B-5857.....	E-115	B-628.....	E-117	B-7596.....	E-124
B-586.....	E-119	B-629.....	E-117	B-7597.....	E-124
B-587.....	E-119	B-630.....	E-117	B-7598.....	E-124
B-5877.....	E-115	B-631.....	E-117	B-7599.....	E-124
B-588.....	E-119	B-644.....	E-117	B-7600.....	E-124
B-588-S.....	E-119	B-645.....	E-117	B-7601.....	E-124
B-589.....	E-119	B-646.....	E-117	B-7602.....	E-124
B-590.....	E-119	B-647.....	E-117	B-7603.....	E-124
B-5904.....	E-115	B-648.....	E-117	B-7604.....	E-124
B-591.....	E-119	B-649.....	E-117	B-7605.....	E-124
B-5910.....	E-122	B-650.....	E-117	B-7606.....	E-124
B-592.....	E-119	B-652.....	E-117	B-7607.....	E-124
B-593.....	E-119	B-653.....	E-117	B-7608.....	E-124
B-5935.....	E-115	B-654.....	E-117	B-7609.....	E-124
B-594.....	E-119	B-6552.....	E-111	B-7610.....	E-124

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-7611.....	E-124	B-7712.....	E-126	B-7909.....	E-127
B-7612.....	E-124	B-7713.....	E-126	B-7910.....	E-127
B-7613.....	E-124	B-7714.....	E-126	B-7911.....	E-127
B-7614.....	E-124	B-7715.....	E-126	B-7912.....	E-127
B-7615.....	E-124	B-7716.....	E-126	B-7913.....	E-127
B-7616.....	E-124	B-7717.....	E-126	B-7914.....	E-127
B-7617.....	E-124	B-7718.....	E-126	B-7915.....	E-127
B-7618.....	E-124	B-7719.....	E-126	B-7916.....	E-127
B-7619.....	E-124	B-7720.....	E-126	B-7917.....	E-127
B-7620.....	E-125	B-7721.....	E-126	B-7918.....	E-127
B-7621.....	E-125	B-7722.....	E-126	B-7919.....	E-127
B-7622.....	E-125	B-7723.....	E-126	B-7920.....	E-127
B-7623.....	E-125	B-7724.....	E-126	B-7921.....	E-127
B-7624.....	E-125	B-7725.....	E-126	B-7922.....	E-127
B-7625.....	E-125	B-7726.....	E-126	B-7923.....	E-127
B-7626.....	E-125	B-7727.....	E-126	B-8011.....	E-116
B-7627.....	E-125	B-7728.....	E-126	B-8027.....	E-116
B-7628.....	E-125	B-7729.....	E-126	B-8165.....	E-120
B-7629.....	E-125	B-7730.....	E-126	B-8214.....	E-116
B-7630.....	E-125	B-7731.....	E-126	B-8294.....	E-116
B-7631.....	E-125	B-7732.....	E-126	B-8359.....	E-122
B-7632.....	E-125	B-7733.....	E-126	B-8379.....	E-118
B-7633.....	E-125	B-7734.....	E-126	B-8381.....	E-118
B-7634.....	E-125	B-7735.....	E-126	B-8402.....	E-112
B-7635.....	E-125	B-7736.....	E-126	B-8403.....	E-112
B-7636.....	E-125	B-7737.....	E-126	B-8410.....	E-118
B-7637.....	E-125	B-7738.....	E-126	B-8413.....	E-118
B-7638.....	E-125	B-7739.....	E-126	B-8414.....	E-112
B-7639.....	E-125	B-7884.....	E-127	B-8415.....	E-112
B-7640.....	E-125	B-7885.....	E-127	B-8422.....	E-112
B-7641.....	E-125	B-7886.....	E-127	B-8423.....	E-118
B-7642.....	E-125	B-7887.....	E-127	B-8426.....	E-112
B-7643.....	E-125	B-7888.....	E-127	B-8428.....	E-116
B-7644.....	E-125	B-7889.....	E-127	B-8434.....	E-113
B-7645.....	E-125	B-7890.....	E-127	B-8435.....	E-113
B-7646.....	E-125	B-7891.....	E-127	B-8441.....	E-113
B-7647.....	E-125	B-7892.....	E-127	B-8442.....	E-113
B-7648.....	E-125	B-7893.....	E-127	B-8451.....	E-116
B-7649.....	E-125	B-7894.....	E-127	B-8452.....	E-113
B-7650.....	E-125	B-7895.....	E-127	B-8454.....	E-113
B-7651.....	E-125	B-7896.....	E-127	B-8461.....	E-116
B-7652.....	E-125	B-7897.....	E-127	B-8512.....	E-120
B-7653.....	E-125	B-7898.....	E-127	B-8718.....	E-120
B-7654.....	E-125	B-7899.....	E-127	B-8726.....	E-116
B-7655.....	E-125	B-7900.....	E-127	B-8802.....	E-116
B-7656.....	E-125	B-7901.....	E-127	B-8833.....	E-119
B-7657.....	E-125	B-7902.....	E-127	B-8882.....	E-111
B-7658.....	E-125	B-7903.....	E-127	B-9021.....	E-119
B-7659.....	E-125	B-7904.....	E-127	B-9029.....	E-120
B-7708.....	E-126	B-7905.....	E-127	B90PB1424NH.....	E-99
B-7709.....	E-126	B-7906.....	E-127	B90PB1424NN.....	E-99
B-7710.....	E-126	B-7907.....	E-127	B90PB1446NH.....	E-99
B-7711.....	E-126	B-7908.....	E-127	B90PB1446NN.....	E-99

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-9233.....	E-119	BA14EZ10.....	B-47	BB024L12LT14.....	E-77
B-9233-S.....	E-119	BA14EZ2.....	B-47	BB024L12LT14B.....	E-78
B-9253.....	E-122	BA14EZ6.....	B-47	BB024L18LT14.....	E-77
BA10E10.....	B-8	BA14EZ8.....	B-47	BB024L18LT14B.....	E-78
BA10E10M.....	B-8	BA16E10.....	B-8	BB024L24LT14.....	E-77
BA10E14.....	B-8	BA16E10M.....	B-8	BB024L24LT14B.....	E-78
BA10E14M.....	B-8	BA16E14.....	B-8	BB024L6T14.....	E-74
BA10E38.....	B-8	BA16E14M.....	B-8	BB024L8LT14.....	E-77
BA10E38M.....	B-8	BA16E38.....	B-8	BB024L9T14.....	E-74
BA10E516.....	B-8	BA16E38M.....	B-8	BB024SSL12LT14.....	E-79
BA10E6.....	B-8	BA16E4.....	B-8	BB024SSL12LT38.....	E-79
BA10E6M.....	B-8	BA16E4M.....	B-8	BB024SSL12LT516.....	E-79
BA10E8.....	B-8	BA16E6.....	B-8	BB024SSL6LT14.....	E-79
BA10E8M.....	B-8	BA16E6M.....	B-8	BB024SSL6LT38.....	E-79
BA10EF10.....	B-33	BA16E8.....	B-8	BB024SSL6LT516.....	E-79
BA10EF10M.....	B-33	BA16E8M.....	B-8	BB024SSL6T14.....	E-79
BA10EF6.....	B-33	BA16EF10.....	B-33	BB024SSL9LT14.....	E-79
BA10EF6M.....	B-33	BA16EF10M.....	B-33	BB024SSL9LT38.....	E-79
BA10EF8.....	B-33	BA16EF2.....	B-33	BB024SSL9LT516.....	E-79
BA10EF8M.....	B-33	BA16EF2M.....	B-33	BB036L12T14.....	E-74
BA10EL10.....	B-38	BA16EF6.....	B-33	BB036L18T14.....	E-74
BA10EL10M.....	B-38	BA16EF6M.....	B-33	BB036L9T14.....	E-74
BA10EL6.....	B-38	BA16EF8.....	B-33	BB048L.....	E-72
BA10EL6M.....	B-38	BA16EF8M.....	B-33	BB048L12LT12.....	E-77
BA10EL8.....	B-38	BA16EL10.....	B-38	BB048L12LT14.....	E-77
BA10EL8M.....	B-38	BA16EL10M.....	B-38	BB048L12LT38.....	E-77
BA10EZ10.....	B-47	BA16EL6.....	B-38	BB048L12T38.....	E-83
BA10EZ8.....	B-47	BA16EL6M.....	B-38	BB048L18LT12.....	E-77
BA14E10.....	B-8	BA16EL8.....	B-38	BB048L18LT14.....	E-77
BA14E10M.....	B-8	BA16EL8M.....	B-38	BB048L18LT38.....	E-77
BA14E14.....	B-8	BA16EZ10.....	B-47	BB048L24LT12.....	E-77
BA14E14M.....	B-8	BA16EZ2.....	B-47	BB048L24LT14.....	E-77
BA14E38.....	B-8	BA16EZ6.....	B-47	BB048L24LT38.....	E-77
BA14E4.....	B-8	BA16EZ8.....	B-47	BB048L6T14.....	E-74
BA14E4M.....	B-8	BA-200.....	E-134	BB048L9T14.....	E-74
BA14E516.....	B-8	BA-201.....	E-134	BB067L.....	E-72
BA14E516M.....	B-8	BA-202.....	E-134	BB067L12T38.....	E-83
BA14E6.....	B-8	BA-203.....	E-134	BB067L6T14.....	E-74
BA14E6M.....	B-8	BA-204.....	E-134	BB067L9T14.....	E-74
BA14E8.....	B-8	BA-205.....	E-134	BB077L.....	E-72
BA14E8M.....	B-8	BA-207.....	E-134	BB154L.....	E-72
BA14EF10.....	B-33	BA-208.....	E-134	BB226L.....	E-72
BA14EF10M.....	B-33	BA-209.....	E-134	BB300L.....	E-72
BA14EF2.....	B-33	BA-211.....	E-134	BBB14210A.....	E-88
BA14EF6.....	B-33	BA-212.....	E-134	BBB14224B.....	E-88
BA14EF8.....	B-33	BA-213.....	E-134	BBB14410C.....	E-88
BA14EF8M.....	B-33	BA-214.....	E-134	BBB14410D.....	E-88
BA14EL10.....	B-38	BA-215.....	E-134	BBB14412E.....	E-88
BA14EL10M.....	B-38	BA-240.....	E-134	BBB14412F.....	E-88
BA14EL6.....	B-38	BAGCNVS5X9X24.....	N-81	BBB14416G.....	E-88
BA14EL6M.....	B-38	BAT18V5AHLI.....	N-5	BBB14416H.....	E-88
BA14EL8.....	B-38	BAT18VLI.....	N-5	BBB14420J.....	E-88
BA14EL8M.....	B-38	BB024L.....	E-72	BBB412UD.....	E-88

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BBB424UD.....	E-88	BD6T14.....	E-74	BDBLCS4T2.....	A-57
BBBHR19.....	E-88	BD9T14.....	E-74	BDBLCS4T2FS.....	A-57
BBBVR36.....	E-88	BDBLCS10LA1DW.....	A-61	BDBLCS4T3.....	A-57
BC25.....	H-73	BDBLCS10LA2DW.....	A-61	BDBLCS4T3FS.....	A-57
BC28.....	H-73	BDBLCS10LA3DW.....	A-61	BDBLCS4TA.....	A-57
BC2C.....	H-73	BDBLCS10LK1DW.....	A-61	BDBLCS5K1.....	A-57
BCB1412P.....	E-97	BDBLCS10LK2DW.....	A-61	BDBLCS5K1FS.....	A-57
BCB14210P.....	E-91	BDBLCS10LK3DW.....	A-61	BDBLCS5K1FSKIT.....	A-57
BCB14210PK.....	E-91	BDBLCS10LR1DW.....	A-61	BDBLCS5K2.....	A-57
BCB14210S.....	E-94	BDBLCS10LR2DW.....	A-61	BDBLCS5K2FS.....	A-57
BCB14212P.....	E-91	BDBLCS10LR3DW.....	A-61	BDBLCS5K3.....	A-57
BCB14212PK.....	E-91, E-97	BDBLCS10LV1DW.....	A-61	BDBLCS5K3FS.....	A-57
BCB14212S.....	E-94	BDBLCS10LV2DW.....	A-61	BDBLCS5KA.....	A-57
BCB14216S.....	E-94	BDBLCS10LV3DW.....	A-61	BDBLCS5S5S1.....	A-59
BCB14220S.....	E-94	BDBLCS13LA1DW.....	A-61	BDBLCS5SA1.....	A-59
BCB14224S.....	E-94	BDBLCS13LA2DW.....	A-61	BDBLCS5SK1.....	A-59
BCB1426S.....	E-94	BDBLCS13LA3DW.....	A-61	BDBLCS5W1.....	A-57
BCB14412J.....	E-96	BDBLCS13LK1DW.....	A-61	BDBLCS5W1FS.....	A-57
BCB14412JK.....	E-91, E-96	BDBLCS13LK2DW.....	A-61	BDBLCS5W1FSKIT.....	A-57
BCB14412M.....	E-91, E-96	BDBLCS13LK3DW.....	A-61	BDBLCS5W2.....	A-57
BCB14412MK.....	E-91, E-96	BDBLCS13LR1DW.....	A-61	BDBLCS5W2FS.....	A-57
BCB14412S.....	E-95	BDBLCS13LR2DW.....	A-61	BDBLCS5W3.....	A-57
BCB14412SK.....	E-95	BDBLCS13LR3DW.....	A-61	BDBLCS5W3FS.....	A-57
BCB14416S.....	E-95	BDBLCS13LV1DW.....	A-61	BDBLCS5WA.....	A-57
BCB14420J.....	E-96	BDBLCS13LV2DW.....	A-61	BDBLCS6A1.....	A-57
BCB14420JK.....	E-96	BDBLCS13LV3DW.....	A-61	BDBLCS6A1FS.....	A-57
BCB14420M.....	E-96	BDBLCS3A1.....	A-56	BDBLCS6A1FSKIT.....	A-57
BCB14420MK.....	E-96	BDBLCS3A1FS.....	A-56	BDBLCS6A2.....	A-57
BCB14420S.....	E-95	BDBLCS3A1FSKIT.....	A-56	BDBLCS6A2FS.....	A-57
BCB14424J.....	E-96	BDBLCS3A2.....	A-56	BDBLCS6A3.....	A-57
BCB14424JK.....	E-96	BDBLCS3A2FS.....	A-56	BDBLCS6A3FS.....	A-57
BCB14424M.....	E-96	BDBLCS3A3.....	A-56	BDBLCS6AA.....	A-57
BCB14424MK.....	E-96	BDBLCS3A3FS.....	A-56	BDBLCS6K1.....	A-57
BCB14424S.....	E-95	BDBLCS3AA.....	A-56	BDBLCS6K1FS.....	A-57
BCR02302.....	E-48	BDBLCS3K1.....	A-56	BDBLCS6K1FSKIT.....	A-57
BCR03302.....	E-48	BDBLCS3K1FS.....	A-56	BDBLCS6K2.....	A-57
BCR04302.....	E-48	BDBLCS3K1FSKIT.....	A-56	BDBLCS6K2FS.....	A-57
BCR05302.....	E-48	BDBLCS3K2.....	A-56	BDBLCS6K3.....	A-57
BCR06302.....	E-48	BDBLCS3K2FS.....	A-56	BDBLCS6K3FS.....	A-57
BD12.....	E-75	BDBLCS3K3.....	A-56	BDBLCS6KA.....	A-57
BD12N.....	E-75	BDBLCS3K3FS.....	A-56	BDBLCS6R1.....	A-57
BD12N2U.....	E-80	BDBLCS3KA.....	A-56	BDBLCS6R1FS.....	A-57
BD12NB.....	E-78	BDBLCS4K1.....	A-57	BDBLCS6R1FSKIT.....	A-57
BD12T38.....	E-83	BDBLCS4K1FS.....	A-57	BDBLCS6R2.....	A-57
BD18.....	E-75	BDBLCS4K1FSKIT.....	A-57	BDBLCS6R2FS.....	A-57
BD18N.....	E-75	BDBLCS4K2.....	A-57	BDBLCS6R3.....	A-57
BD18N2U.....	E-80	BDBLCS4K2FS.....	A-57	BDBLCS6R3FS.....	A-57
BD18NB.....	E-78	BDBLCS4K3.....	A-57	BDBLCS6RA.....	A-57
BD24.....	E-75	BDBLCS4K3FS.....	A-57	BDBLCS6V1.....	A-57
BD24N.....	E-75	BDBLCS4KA.....	A-57	BDBLCS6V1FS.....	A-57
BD24N2U.....	E-80	BDBLCS4T1.....	A-57	BDBLCS6V1FSKIT.....	A-57
BD24NB.....	E-78	BDBLCS4T1FS.....	A-57	BDBLCS6V2.....	A-57
BD36N2U.....	E-80	BDBLCS4T1FSKIT.....	A-57	BDBLCS6V2FS.....	A-57

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BDBLCS6V3	A-57	BDBMCS5F2	A-56	BF12T716	E-74, E-83
BDBLCS6V3FS	A-57	BDBMCS5F2FS	A-56	BF18.....	E-75
BDBLCS6VA	A-57	BDBMCS5F3	A-56	BF18N.....	E-75
BDBLCS7A1DW.....	A-59	BDBMCS5F3FS	A-56	BF18N2U.....	E-80
BDBLCS7K1DW.....	A-59	BDBMCS5FA	A-56	BF18T716.....	E-74
BDBLCS7R1DW.....	A-59	BDBMCS5M1	A-56	BF24	E-75
BDBLCS7X1DW.....	A-59	BDBMCS5M1FS	A-56	BF24N.....	E-75
BDBLCS8Y1	A-57	BDBMCS5M1FSKIT.....	A-56	BF24N2U.....	E-80
BDBLCS8Y1FS.....	A-57	BDBMCS5M2	A-56	BF36N2U.....	E-80
BDBLCS8Y2	A-57	BDBMCS5M2FS	A-56	BF6T716.....	E-74
BDBLCS8Y2FS	A-57	BDBMCS5M3	A-56	BFB1020T12.....	E-27
BDBLCS8Y3	A-57	BDBMCS5M3FS	A-56	BFB1024T12.....	E-27
BDBLCS8Y3FS	A-57	BDBMCS5MA	A-56	BFB1032T12.....	E-27
BDBLCS8YA.....	A-57	BDBMCSCOVER.....	A-55	BFB10402TH38E26.....	E-27
BDBLCSCOVER.....	A-55	BDBSCS1C1.....	A-55	BFB10402TH38E27.....	E-27
BDBMCS1F1.....	A-56	BDBSCS1C1FS.....	A-55	BFB1040T58.....	E-27
BDBMCS1F1FS.....	A-56	BDBSCS1C1FSKIT.....	A-55	BFB10502TH38E26.....	E-27
BDBMCS1F1FSKIT.....	A-56	BDBSCS1C2.....	A-55	BFB10502TH38E27.....	E-27
BDBMCS1F2	A-56	BDBSCS1C2FS.....	A-55	BFB1050T58.....	E-27
BDBMCS1F2FS.....	A-56	BDBSCS1C3.....	A-55	BFB620T12.....	E-27
BDBMCS1F3	A-56	BDBSCS1C3FS.....	A-55	BFB624T12.....	E-27
BDBMCS1F3FS.....	A-56	BDBSCS1CA	A-55	BFB632T12.....	E-27
BDBMCS1FA	A-56	BDBSCS1P1.....	A-56	BFB6402TH38E26.....	E-27
BDBMCS2F1	A-56	BDBSCS1P1FS.....	A-56	BFB640T58.....	E-27
BDBMCS2F1FS.....	A-56	BDBSCS1P1FSKIT.....	A-56	BFB6502TH38E26.....	E-27
BDBMCS2F1FSKIT.....	A-56	BDBSCS1P2.....	A-56	BFB650T58.....	E-27
BDBMCS2F2.....	A-56	BDBSCS1P2FS.....	A-56	BG12.....	E-75
BDBMCS2F2FS	A-56	BDBSCS1P3.....	A-56	BG12N.....	E-75
BDBMCS2F3	A-56	BDBSCS1P3FS.....	A-56	BG12N2U.....	E-80
BDBMCS2F3FS	A-56	BDBSCS1PA.....	A-56	BG12T12.....	E-74, E-83
BDBMCS2FA.....	A-56	BDBSCS1S1S1.....	A-59	BG12T716.....	E-74
BDBMCS2N1.....	A-56	BDBSCSCOVER.....	A-55	BG18.....	E-75
BDBMCS2N1FS.....	A-56	BDT1	E-56	BG18N.....	E-75
BDBMCS2N1FSKIT.....	A-56	BDT1BB.....	E-57	BG18N2U.....	E-80
BDBMCS2N2.....	A-56	BE12.....	E-75	BG24.....	E-75
BDBMCS2N2FS.....	A-56	BE12N.....	E-75	BG24N.....	E-75
BDBMCS2N3.....	A-56	BE12N2U.....	E-80	BG24N2U.....	E-80
BDBMCS2N3FS.....	A-56	BE12T58.....	E-74	BG36N2U.....	E-80
BDBMCS2NA.....	A-56	BE12T716.....	E-74, E-83	BG6T716.....	E-74
BDBMCS3S3S1.....	A-59	BE18.....	E-75	BG8T716.....	E-74
BDBMCS3SF1.....	A-59	BE18N.....	E-75	BGBL1/0.....	A-21
BDBMCS3SM1.....	A-59	BE18N2U.....	E-80	BGBL250.....	A-21
BDBMCS3U1.....	A-56	BE18T58.....	E-74	BGBL4.....	A-21
BDBMCS3U1FS.....	A-56	BE18T716.....	E-74	BGBL4SS.....	A-21
BDBMCS3U1FSKIT.....	A-56	BE24.....	E-75	BGM3050.....	E-100
BDBMCS3U2.....	A-56	BE24N.....	E-75	BGM3100.....	E-100
BDBMCS3U2FS.....	A-56	BE24N2U.....	E-80	BGM640044.....	E-100
BDBMCS3U3.....	A-56	BE24T58.....	E-74	BGM64006.....	E-100
BDBMCS3U3FS.....	A-56	BE36N2U.....	E-80	BGM640066.....	E-100
BDBMCS3UA.....	A-56	BE6T716.....	E-74	BGM640068.....	E-100
BDBMCS5F1.....	A-56	BF12.....	E-75	BGRKTD30DN.....	E-87
BDBMCS5F1FS.....	A-56	BF12N.....	E-75	BGRKTD60C46.....	E-87
BDBMCS5F1FSKIT.....	A-56	BF12N2U.....	E-80	BGRKTD9D.....	E-87

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BGRKTHC	E-85	BIBD35010MT	A-43	BIBD6004MT	A-43
BGRKTKA9KA5	E-86	BIBD35012	A-41	BIBD6005	A-41
BGRKTV	E-85	BIBD35012FX	A-49	BIBD6005FX	A-50
BGRKTBW5	E-86	BIBD35012FXMT	A-52	BIBD6006	A-41
BHSG1100	D-11	BIBD35012MT	A-43	BIBD6006FX	A-50
BIBD2/010	A-40	BIBD35014	A-41	BIBD6006FXMT	A-52
BIBD2/010FXMT	A-52	BIBD3502	A-41	BIBD6006MT	A-43
BIBD2/010MT	A-43	BIBD3502FX	A-49	BIBD6008	A-41
BIBD2/012	A-40	BIBD3503	A-41	BIBD6008FX	A-50
BIBD2/012FXMT	A-52	BIBD3503FX	A-49	BIBD6008FXMT	A-52
BIBD2/012MT	A-43	BIBD3504	A-41	BIBD6008MT	A-43
BIBD2/014	A-40	BIBD3504FX	A-49	BIBD75010	A-41
BIBD2/02	A-40	BIBD3504FXMT	A-52	BIBD75010HDFX	A-50
BIBD2/03	A-40	BIBD3504MT	A-43	BIBD75012	A-41
BIBD2/04	A-40	BIBD3505	A-41	BIBD75012HDFX	A-50
BIBD2/04FXMT	A-52	BIBD3505FX	A-49	BIBD75014	A-41
BIBD2/04MT	A-43	BIBD3506	A-41	BIBD75014HDFX	A-50
BIBD2/05	A-40	BIBD3506FX	A-49	BIBD7502	A-41
BIBD2/06	A-40	BIBD3506FXMT	A-52	BIBD7502HDFX	A-50
BIBD2/06MT	A-43	BIBD3506MT	A-43	BIBD7503	A-41
BIBD2/08	A-40	BIBD3508	A-41	BIBD7503HDFX	A-50
BIBD2/08FXMT	A-52	BIBD3508FX	A-49	BIBD7504	A-41
BIBD2/08MT	A-43	BIBD3508FXMT	A-52	BIBD7504HDFX	A-50
BIBD25010	A-40	BIBD3508MT	A-43	BIBD7506	A-41
BIBD25010FX	A-49	BIBD42	A-40	BIBD7506HDFX	A-50
BIBD25010FXMT	A-52	BIBD42FX	A-49	BIBD7508	A-41
BIBD25010MT	A-43	BIBD43	A-40	BIBD7508HDFX	A-50
BIBD25012	A-40	BIBD43FX	A-49	BIBS2/010	A-38
BIBD25012FX	A-49	BIBD44	A-40	BIBS2/010FX	A-47
BIBD25012FXMT	A-52	BIBD44FX	A-49	BIBS2/010FXMT	A-51
BIBD25012MT	A-43	BIBD45	A-40	BIBS2/010MT	A-42
BIBD25014	A-40	BIBD45FX	A-49	BIBS2/012	A-38
BIBD25014FX	A-49	BIBD46	A-40	BIBS2/012FX	A-47
BIBD2502	A-40	BIBD46FX	A-49	BIBS2/012FXMT	A-51
BIBD2502FX	A-49	BIBD48	A-40	BIBS2/012MT	A-42
BIBD2503	A-40	BIBD48FX	A-49	BIBS2/014	A-38
BIBD2503FX	A-49	BIBD60010	A-41	BIBS2/014FX	A-47
BIBD2504	A-40	BIBD60010FX	A-50	BIBS2/03	A-38
BIBD2504FX	A-49	BIBD60010FXMT	A-52	BIBS2/03FX	A-47
BIBD2504FXMT	A-52	BIBD60010MT	A-43	BIBS2/04	A-38
BIBD2504MT	A-43	BIBD60012	A-41	BIBS2/04FX	A-47
BIBD2505	A-40	BIBD60012FX	A-50	BIBS2/04FXMT	A-51
BIBD2505FX	A-49	BIBD60012FXMT	A-52	BIBS2/04MT	A-42
BIBD2506	A-40	BIBD60012MT	A-43	BIBS2/05	A-38
BIBD2506FX	A-49	BIBD60014	A-41	BIBS2/05FX	A-47
BIBD2506MT	A-43	BIBD60014FX	A-50	BIBS2/06	A-38
BIBD2508	A-40	BIBD6002	A-41	BIBS2/06FX	A-47
BIBD2508FX	A-49	BIBD6002FX	A-50	BIBS2/06FXMT	A-51
BIBD2508FXMT	A-52	BIBD6003	A-41	BIBS2/06MT	A-42
BIBD2508MT	A-43	BIBD6003FX	A-50	BIBS2/08	A-38
BIBD35010	A-41	BIBD6004	A-41	BIBS2/08FX	A-47
BIBD35010FX	A-49	BIBD6004FX	A-50	BIBS2/08FXMT	A-51
BIBD35010FXMT	A-52	BIBD6004FXMT	A-52	BIBS2/08MT	A-42

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BIBS25010.....	A-38	BIBS3508.....	A-38	BIBS7506.....	A-39
BIBS25010FX.....	A-47	BIBS3508FX.....	A-47	BIBS7506HDFX.....	A-48
BIBS25010FXMT.....	A-51	BIBS3508FXMT.....	A-51	BIBS7508.....	A-39
BIBS25010MT.....	A-42	BIBS3508MT.....	A-42	BIBS7508HDFX.....	A-48
BIBS25012.....	A-38	BIBS43.....	A-38	BIBSD506FXMT.....	A-52
BIBS25012FX.....	A-47	BIBS43FX.....	A-47	BIPC1/02.....	A-11
BIBS25012FXMT.....	A-51	BIBS44.....	A-38	BIPC350350.....	A-11
BIBS25012MT.....	A-42	BIBS44FX.....	A-47	BIPC3504/0.....	A-11
BIBS25014.....	A-38	BIBS45.....	A-38	BIPC4/01/0.....	A-11
BIBS25014FX.....	A-47	BIBS45FX.....	A-47	BIPC4/06.....	A-11
BIBS2503.....	A-38	BIBS46.....	A-38	BIPC5004/0.....	A-11
BIBS2503FX.....	A-47	BIBS46FX.....	A-47	BISR1/0.....	A-37
BIBS2504.....	A-38	BIBS48.....	A-38	BISR1/0FX.....	A-45
BIBS2504FX.....	A-47	BIBS48FX.....	A-47	BISR1DB.....	A-34
BIBS2504FXMT.....	A-51	BIBS5003DB.....	A-35	BISR2.....	A-37
BIBS2504MT.....	A-42	BIBS5004DB.....	A-35	BISR250.....	A-37
BIBS2505.....	A-38	BIBS5005DB.....	A-35	BISR250DB.....	A-34
BIBS2505FX.....	A-47	BIBS5006DB.....	A-35	BISR250FX.....	A-45
BIBS2506.....	A-38	BIBS60010.....	A-39	BISR2FX.....	A-45
BIBS2506FX.....	A-47	BIBS60010FX.....	A-48	BISR3/0DB.....	A-34
BIBS2506FXMT.....	A-51	BIBS60010MT.....	A-42	BISR350.....	A-37
BIBS2506MT.....	A-42	BIBS60012.....	A-39	BISR350FX.....	A-45
BIBS2508.....	A-38	BIBS60012FX.....	A-48	BISR4DB.....	A-34
BIBS2508FX.....	A-47	BIBS60012FXMT.....	A-51	BISR500.....	A-37
BIBS2508FXMT.....	A-51	BIBS60012MT.....	A-42	BISR500FX.....	A-45
BIBS2508MT.....	A-42	BIBS60014.....	A-39	BISR750HDFX.....	A-45
BIBS35010.....	A-38	BIBS60014FX.....	A-48	BIT2/0.....	A-37
BIBS35010FX.....	A-47	BIBS6003.....	A-39	BIT2/0FX.....	A-46
BIBS35010FXMT.....	A-51	BIBS6003FX.....	A-48	BIT250.....	A-37
BIBS35010MT.....	A-42	BIBS6004.....	A-39	BIT250FX.....	A-46
BIBS35012.....	A-38	BIBS6004FX.....	A-48	BIT350.....	A-37
BIBS35012FX.....	A-47	BIBS6004FXMT.....	A-51	BIT350FX.....	A-46
BIBS35012FXMT.....	A-51	BIBS6004MT.....	A-42	BIT4.....	A-37
BIBS35012MT.....	A-42	BIBS6005.....	A-39	BIT4FX.....	A-46
BIBS35014.....	A-38	BIBS6005FX.....	A-48	BIT600.....	A-37
BIBS35014FX.....	A-47	BIBS6006.....	A-39	BIT600FX.....	A-46
BIBS3502DB.....	A-35	BIBS6006FX.....	A-48	BIT750.....	A-37
BIBS3503.....	A-38	BIBS6006FXMT.....	A-51	BIT750HDFX.....	A-46
BIBS3503DB.....	A-35	BIBS6006MT.....	A-42	BITO2/0.....	A-37
BIBS3503FX.....	A-47	BIBS6008.....	A-39	BITO2/0FX.....	A-46
BIBS3504.....	A-38	BIBS6008FX.....	A-48	BITO250.....	A-37
BIBS3504DB.....	A-35	BIBS6008FXMT.....	A-51	BITO250FX.....	A-46
BIBS3504FX.....	A-47	BIBS6008MT.....	A-42	BITO350.....	A-37
BIBS3504FXMT.....	A-51	BIBS75010.....	A-39	BITO350FX.....	A-46
BIBS3504MT.....	A-42	BIBS75010HDFX.....	A-48	BITO4.....	A-37
BIBS3505.....	A-38	BIBS75012.....	A-39	BITO4FX.....	A-46
BIBS3505DB.....	A-35	BIBS75012HDFX.....	A-48	BITO600.....	A-37
BIBS3505FX.....	A-47	BIBS75014.....	A-39	BITO600FX.....	A-46
BIBS3506.....	A-38	BIBS75014HDFX.....	A-48	BITO750.....	A-37
BIBS3506DB.....	A-35	BIBS7503.....	A-39	BITO750HDFX.....	A-46
BIBS3506FX.....	A-47	BIBS7503HDFX.....	A-48	BLFIXED954KIT.....	N-77
BIBS3506FXMT.....	A-51	BIBS7504.....	A-39	BLMVBL954KIT.....	N-77
BIBS3506MT.....	A-42	BIBS7504HDFX.....	A-48	BMCSS6W17.....	E-155

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BMCSS8W17.....	E-155	BYNA235MMT15HACCC.....	I-18, I-21	BYNA56RT15HT.....	I-9
BMYBCHMT.....	N-48	BYNA235MMTHACCC.....	I-21	BYNA56RTHACCC.....	I-22
BPLB1425NH.....	E-99	BYNA245MM2T15HACCC.....	I-18, I-21	BYNA56RTHT.....	I-9
BPLB1425NN.....	E-99	BYNA245MM2THACCC.....	I-21	BYNA58R15HT.....	I-8
BPLB1448NH.....	E-99	BYNA32R15HT.....	I-8	BYNA58RHT.....	I-8
BPLB1448NN.....	E-99	BYNA32RHT.....	I-8	BYNA58RT15HT.....	I-9
BS10.....	B-53	BYNA32RT15HACCC.....	I-18, I-21	BYNA58RTHT.....	I-9
BS14.....	B-53	BYNA32RT15HT.....	I-9	BYNA590MRT15HACCC.....	I-19, I-22
BS16.....	B-53	BYNA32RTHACCC.....	I-21	BYNA590MRTHACCC.....	I-22
BSD20100.....	E-65	BYNA32RTHT.....	I-9	BYNA59R15HT.....	I-8
BSD2050.....	E-65	BYNA34R15HT.....	I-8	BYNA59RHT.....	I-8
BSD2050K01.....	E-65	BYNA34RHT.....	I-8	BYNA59RT15HT.....	I-9
BSD2050K02.....	E-65	BYNA34RT15HT.....	I-9	BYNA59RTHT.....	I-9
BSD2050K03.....	E-65	BYNA34RTHT.....	I-9	BYNA760MRT15HACCC.....	I-19, I-22
BSD2050K04.....	E-65	BYNA36R15HT.....	I-8	BYNA760MRTHACCC.....	I-22
BSD2050K05.....	E-65	BYNA36RHT.....	I-8	BYNS32RTHT.....	I-10
BSD2050K05N.....	E-65	BYNA36RT15HACCC.....	I-18, I-21	BYNS34RTHT.....	I-10
BSD2050K05Y.....	E-65	BYNA36RT15HT.....	I-9	BYNS36RTHT.....	I-10
BSD2050K06.....	E-65	BYNA36RTHACCC.....	I-21	BYNS39RTHT.....	I-10
BSD2050N.....	E-65	BYNA36RTHT.....	I-9	BYNS43RTHT.....	I-10
BSD2050Y.....	E-65	BYNA39R15HT.....	I-8	BYNS451RTHT.....	I-10
BSDCCEE.....	E-66	BYNA39RHT.....	I-8	BYNS49RTHT.....	I-10
BSPB1426NH.....	E-99	BYNA39RT15HACCC.....	I-18, I-21	BYNS52RTHT.....	I-10
BSPB1426NN.....	E-99	BYNA39RT15HT.....	I-9	BYNS56RTHT.....	I-10
BSPB1449NH.....	E-99	BYNA39RTHACCC.....	I-21	BYNS58RTHT.....	I-10
BSPB1449NN.....	E-99	BYNA39RTHT.....	I-9	BYNS59RTHT.....	I-10
BTCB14212P.....	E-97	BYNA43R15HT.....	I-8	C-11B.....	E-50
BTCB14212PK.....	E-97	BYNA43RHT.....	I-8	C-11CSH-1.....	E-54
BTCB14212SK.....	E-94	BYNA43RT15HACCC.....	I-18, I-21	C-11CSH-2.....	E-54
BTCB14412J.....	E-96	BYNA43RT15HT.....	I-9	C-11CSH-3.....	E-54
BTCB14412JK.....	E-96	BYNA43RTHACCC.....	I-21	C11CSLH12.....	E-54
BTCB14412M.....	E-96	BYNA43RTHT.....	I-9	C-11D.....	E-50
BTCB14412MK.....	E-96	BYNA451R15HT.....	I-8	C11HD4/ODB.....	E-52
BTCB14420J.....	E-96	BYNA451RHT.....	I-8	C-11JA.....	E-52
BTCB14420JK.....	E-96	BYNA451RT15HACCC.....	I-18, I-22	C-11JPT.....	E-50
BTCB14420M.....	E-96	BYNA451RT15HT.....	I-9	C11K16D.....	E-51
BTCB14420MK.....	E-96	BYNA451RTHACCC.....	I-22	C11K17D.....	E-51
BTCB14424J.....	E-96	BYNA451RTHT.....	I-9	C-11LH-1.....	E-54
BTCB14424JK.....	E-96	BYNA49R15HT.....	I-8	C-11LH-2.....	E-54
BTCB14424M.....	E-96	BYNA49RHT.....	I-8	C-11LH-3.....	E-54
BTCB14424MK.....	E-96	BYNA49RT15HACCC.....	I-19, I-22	C-11N.....	E-50
BTCGC1/0SS.....	E-68	BYNA49RT15HT.....	I-9	C-22.....	E-50
BTCGC250.....	E-68	BYNA49RTHACCC.....	I-22	C-22D.....	E-50
BTCGC250SS.....	E-68	BYNA49RTHT.....	I-9	C22HD4/ODB.....	E-52
BTCGC4SS.....	E-68	BYNA52R15HT.....	I-8	C-22JA.....	E-52
BTW150750.....	A-35, N104	BYNA52RHT.....	I-8	C-22JPT.....	E-50
BTW1575F12.....	N-104	BYNA52RT15HACCC.....	I-19, I-22	C-22LH-1.....	E-54
BTW30150.....	A-35, N104	BYNA52RT15HT.....	I-9	C-22LH-2.....	E-54
BWB680AG.....	E-59	BYNA52RTHACCC.....	I-22	C-22LH-3.....	E-54
BWB680IG.....	E-59	BYNA52RTHT.....	I-9	C-4.....	E-50
BYNA106MM2T15HACCC.....	I-18	BYNA56R15HT.....	I-8	C-4D.....	E-50
BYNA160MM2T15HACCC.....	I-21	BYNA56RHT.....	I-8	C-4JA.....	E-52
BYNA160MM2THACCC.....	I-21	BYNA56RT15HACCC.....	I-19, I-22	C-4JPT.....	E-50

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

C-4LH-1.....	E-54	CCY10L9T12G.....	E-78	CL1/014TN.....	A-20
C-4LH-2.....	E-54	CCY10L9T14GY.....	E-78	CL1/0-14TN.....	E-35
C-4LH-3.....	E-54	CFBGFR.....	C-183	CL250516TN.....	A-20
C-6.....	E-53	CFDFR.....	C-178, C-183	CL250-516TN.....	E-35
C-61.....	E-53	CFNFR.....	C-178, C-183	CL3/0516TN.....	A-20
C-66.....	E-53	CFOFR.....	C-178, C-183	CL3/0-516TN.....	E-35
C-6D.....	E-53	CFRFR.....	C-178, C-183	CL501.....	A-20
C-7.....	E-53	CH10C.....	G-14	CL50-1.....	E-35
C-8.....	E-50	CH10C0.....	G-14	CL501TN.....	A-20
CASEPATCUT1500.....	N-79	CH10M.....	G-14	CL50-1TN.....	E-35
	N-18, N-28,	CH10M0.....	G-14	CL50-1TN BULK.....	E-35
	N-63, N-64,	CH11C.....	G-14	CL501TNMHWSS.....	E-35
CASEUDIES15.....	N-65, N-101	CH11M.....	G-14	CL501TNMHWSSST.....	E-35
CASEUDIES8.....	N-64, N-101	CH12C.....	G-14	CMDT120400C5.....	G-11
	N-17, N-66,	CH12C0.....	G-14	CMDT18075C5.....	G-11
	N-67, N-73,	CH12M.....	G-14	CMDT40225C5.....	G-11
	N-74, N-75,	CH12M0.....	G-14	CMDT50175C5.....	G-11
CASEWDIES.....	N-76, N-100	CH14C.....	G-14	CMDT50300C5.....	G-11
CCD.....	H-27	CH14C0.....	G-14	CMDT50400C5.....	G-11
CCFBGFR.....	C-183	CH14M.....	G-14	COVERYA3BLK.....	F-13
CCFDFR.....	C-178, C-183	CH16C.....	G-14	COVERYA3ORG.....	F-13
CCFDXFR.....	C-178, C-183	CH16M.....	G-14	COVERYA4BLK.....	F-13
CCFNFR.....	C-178, C-183	CH18C.....	G-14	COVERYA4ORG.....	F-13
CCFOFR.....	C-178, C-183	CH18M.....	G-14	COVERYA5BLK.....	F-13
CCFRFR.....	C-178, C-183	CH24C.....	G-14	COVERYA5ORG.....	F-13
CCN.....	H-27	CH24C0.....	G-14	COVERYA6BLK.....	F-13
CCNL.....	H-27	CH24L.....	G-14	COVERYA6ORG.....	F-13
CCO.....	H-27	CH2C.....	G-14	CP2525.....	H-13
CCSC110600.....	D-2	CH2C0.....	G-14	CP2626.....	H-13
CCSC110800.....	D-2	CH2M.....	G-14	CP26A26A.....	H-11
CCSC126600.....	D-2	CH3C.....	G-14	CP27A27A.....	H-11
CCSC126900.....	D-2	CH3C0.....	G-14	CP2828.....	H-13
CCSC146600.....	D-2	CH3M.....	G-14	CP28A28A.....	H-11
CCSC146900.....	D-2	CH4C.....	G-14	CP2929.....	H-13
CCSC2001200.....	D-2	CH4C0.....	G-14	CP29A29A.....	H-11
CCSC200600.....	D-2	CH4M.....	G-14	CP2C2C.....	H-13
CCSC200900.....	D-2	CH4M0.....	G-14	CP30A30A.....	H-11
CCY106LT12G.....	E-78	CH5C.....	G-14	CP31A31A.....	H-11
CCY10L12LT1090G.....	E-78	CH5C0.....	G-14	CP32A32A.....	H-11
CCY10L12LT14GY.....	E-78	CH5M.....	G-14	CP3434.....	H-13
CCY10L12LT38G.....	E-78	CH6C.....	G-14	CP34A34A.....	H-11
CCY10L12T12G.....	E-78	CH6C0.....	G-14	CP37A37A.....	H-11
CCY10L14LT14GY.....	E-78	CH6M.....	G-14	CPR34A4.....	L-44
CCY10L18LT1090G.....	E-78	CH6M0.....	G-14	CPR42A4.....	L-44
CCY10L18LT14GY.....	E-78	CH7C.....	G-14	CPR46A4.....	L-44
CCY10L18LT38G.....	E-78	CH7C0.....	G-14	CSB037800SR1.....	D-3
CCY10L18T12G.....	E-78	CH7M.....	G-14	CSB051900SR1.....	D-3
CCY10L24LT1090G.....	E-78	CH8C.....	G-14	CSB0971200SR1.....	D-3
CCY10L24LT38G.....	E-78	CH8C0.....	G-14	CSB097900SR1.....	D-3
CCY10L24T12G.....	E-78	CH8M.....	G-14	CSB125900SR1.....	D-3
CCY10L6LT38G.....	E-78	CH9C.....	G-14	CSB163900SR1.....	D-3
CCY10L7T14GY.....	E-78	CH9C0.....	G-14	CSJB097600SR1.....	D-3
CCY10L9LT38G.....	E-78	CH9M.....	G-14	CSJB125800SR1.....	D-3

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

CSJB163900SR1	D-3	CT120400D00	G-8	CT18075MH4C	G-12
CT110200SSBB	G-16	CT120400L	G-8	CT18075MH4M	G-12
CT110200SSBB0	G-16	CT120400L0	G-8	CT18087SSBC	G-15
CT110200SSBC	G-16	CT120400L00	G-8	CT18087SSBC0	G-15
CT110200SSBC0	G-16	CT120400L0UG	G-18	CT18087SSBM	G-15
CT110225SSBC	G-16	CT120400LUG	G-18	CT18087SSBM0	G-15
CT110225SSBC0	G-16	CT120400M0	G-8	CT18100SSBC	G-15
CT110225SSBL	G-16	CT120400MH14D	G-12	CT18100SSBC0	G-15
CT110225SSBLO	G-16	CT120400MH14D0	G-12	CT18100SSBM	G-15
CT110300SSBC	G-16	CT120400MH14L	G-12	CT18100SSBM0	G-15
CT110300SSBC0	G-16	CT120400MH14L0	G-12	CT18125C	G-6
CT110300SSBL	G-16	CT120400SSBC	G-16	CT18125C0	G-6
CT110300SSBLO	G-16	CT120400SSBC0	G-16	CT18125C3	G-6
CT110325SSBB	G-16	CT120400SSBL	G-16	CT18125C4	G-6
CT110325SSBB0	G-16	CT120400SSBLO	G-16	CT18125M	G-6
CT110325SSBC	G-16	CT120500CUG	G-18	CT18125M0	G-6
CT110325SSBC0	G-16	CT120500SSBC	G-16	CT18200C	G-6
CT110350SSBC	G-16	CT120500SSBC0	G-16	CT18200C0	G-6
CT110350SSBC0	G-16	CT120500SSBL	G-16	CT18200C0UG	G-17
CT110350SSBL	G-16	CT120500SSBLO	G-16	CT18200C1	G-6
CT110350SSBLO	G-16	CT120800L	G-8	CT18200C2	G-6
CT110400SSBC	G-16	CT120800L0	G-8	CT18200C5	G-6
CT110400SSBC0	G-16	CT120900LUG	G-18	CT18200C6	G-6
CT110400SSBL	G-16	CT1751100Q	G-9	CT18200IDC	G-10
CT110400SSBLO	G-16	CT1751100Q0	G-9	CT18200M	G-6
CT110500SSBC	G-16	CT1751100Q0UG	G-18	CT18200M0	G-6
CT110500SSBC0	G-16	CT1751100QUG	G-18	CT18200M0UG	G-17
CT110500SSBL	G-16	CT1751400Q0	G-9	CT18200MUG	G-17
CT110500SSBLO	G-16	CT1751400QUG	G-18	CT18200SSBC	G-15
CT110600SSBC	G-16	CT1751500Q	G-9	CT18200SSBC0	G-15
CT110600SSBC0	G-16	CT175400Q0UG	G-18	CT18200SSBM	G-15
CT110600SSBL	G-16	CT175500Q	G-9	CT18200SSBM0	G-15
CT110600SSBLO	G-16	CT175500Q0	G-9	CT2501000Q	G-9
CT110800SSBC	G-16	CT175600Q	G-9	CT2501000RQ	G-11
CT110800SSBC0	G-16	CT175600Q0	G-9	CT2501200Q	G-9
CT110800SSBL	G-16	CT175600Q0UG	G-18	CT2501200Q0	G-9
CT110800SSBLO	G-16	CT175600QUG	G-18	CT250200RQ	G-11
CT120200D	G-8	CT175800Q0	G-9	CT250200RQ0	G-11
CT120200D0	G-8	CT175900Q	G-9	CT250500RQ	G-11
CT120200L	G-8	CT175900Q00	G-9	CT250500RQ0	G-11
CT120200L0	G-8	CT175900Q0UG	G-18	CT250600Q	G-9
CT120200L0UG	G-18	CT18025M0UG	G-17	CT250600Q0	G-9
CT120300SSBC	G-16	CT18025MUG	G-17	CT250600RQ	G-11
CT120300SSBC0	G-16	CT18075C	G-6	CT250600RQ0	G-11
CT120300SSBL	G-16	CT18075C0	G-6	CT250800Q	G-9
CT120300SSBLO	G-16	CT18075C00	G-6	CT250800Q0	G-9
CT120350SSBC	G-16	CT18075C0UG	G-17	CT250800Q0UG	G-18
CT120350SSBC0	G-16	CT18075CUG	G-17	CT250800RQ	G-11
CT120350SSBL	G-16	CT18075FLC	G-10	CT250800RQ0	G-11
CT120350SSBLO	G-16	CT18075IDC	G-10	CT30125C	G-6
CT120400C0UG	G-18	CT18075M	G-6	CT30125C0	G-6
CT120400D	G-8	CT18075M0	G-6	CT30125C00	G-6
CT120400D0	G-8	CT18075M00	G-6	CT30125C0UG	G-17

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

CT30125CUG.....	G-17	CT50175C4.....	G-7	CT50400C.....	G-8
CT30125M.....	G-6	CT50175C5.....	G-7	CT50400C0.....	G-8
CT30125M0.....	G-6	CT50175C6.....	G-7	CT50400C00.....	G-8
CT30125M00.....	G-6	CT50175C7.....	G-7	CT50400C0UG.....	G-17
CT30125MH8C.....	G-12	CT50175C8.....	G-7	CT50400C2.....	G-8
CT30125MH8M.....	G-12	CT50175CUG.....	G-17	CT50400C3.....	G-8
CT30125MH8M0.....	G-12	CT50175IDC.....	G-10	CT50400CUG.....	G-17
CT30125MUG.....	G-17	CT50175M.....	G-7	CT50400M.....	G-8
CT40137SSBC.....	G-15	CT50175M0.....	G-7	CT50400M0.....	G-8
CT40137SSBC0.....	G-15	CT50175M00.....	G-7	CT50400M00.....	G-8
CT40137SSBM.....	G-15	CT50175M02.....	G-7	CT50400M02.....	G-8
CT40137SSBM0.....	G-15	CT50175M0UG.....	G-17	CT50400MH10C.....	G-12
CT40200C.....	G-7	CT50175MH10C.....	G-12	CT50400MH10C0.....	G-12
CT40200C0.....	G-7	CT50175MH10C0.....	G-12	CT50400MH10M0.....	G-12
CT40200C00.....	G-7	CT50175MH10C0UG.....	G-19	CT50400MUG.....	G-17
CT40200CUG.....	G-17	CT50175MH10CUG.....	G-19	CT50400RC.....	G-11
CT40200M.....	G-7	CT50175MH10M.....	G-12	CT50400RC0.....	G-11
CT40200M0.....	G-7	CT50175MH10M0.....	G-12	CT50400SSBB.....	G-16
CT40200M00.....	G-7	CT50175MUG.....	G-17	CT50400SSBB0.....	G-16
CT40200MUG.....	G-17	CT50175PMC.....	G-10	CT50400SSBC.....	G-16
CT40200SSBC.....	G-15	CT50175PMCO.....	G-10	CT50400SSBC0.....	G-16
CT40200SSBC0.....	G-15	CT50175RC.....	G-11	CT50425SSBB.....	G-16
CT40200SSBD.....	G-15	CT50175RC0.....	G-11	CT50425SSBB0.....	G-16
CT40200SSBD0.....	G-15	CT50175SSBC.....	G-15	CT50425SSBC.....	G-16
CT40300C.....	G-7	CT50175SSBC0.....	G-15	CT50425SSBC0.....	G-16
CT40300C0.....	G-7	CT50175SSBD.....	G-15	CTASST.....	G-20
CT40300C00.....	G-7	CT50175SSBD0.....	G-15	CTB075AAF1C.....	G-13
CT40300M.....	G-7	CT50200SSBB.....	G-15	CTB075AAF1C0.....	G-13
CT40300M0.....	G-7	CT50200SSBB0.....	G-15	CTB075AAF1M.....	G-13
CT40300M00.....	G-7	CT50200SSBC.....	G-15	CTB075RAF1CUG.....	G-19
CT40300SSBC.....	G-15	CT50200SSBC0.....	G-15	CTB075RAF1C.....	G-13
CT40300SSBC0.....	G-15	CT50250IDC.....	G-10	CTB075RAF1C0.....	G-13
CT40300SSBD.....	G-15	CT50250SSBB.....	G-15	CTB075RAF1M.....	G-13
CT40300SSBD0.....	G-15	CT50250SSBB0.....	G-15	CTB075SF1C.....	G-13
CT40400C.....	G-7	CT50250SSBC.....	G-15	CTB075SF1M.....	G-13
CT40400C0.....	G-7	CT50250SSBC0.....	G-15	CTB100AAF2C.....	G-13
CT40400C00.....	G-7	CT50300C.....	G-8	CTB100AAF2C0.....	G-13
CT40400C0UG.....	G-17	CT50300C0.....	G-8	CTB100AAF2D.....	G-13
CT40400M.....	G-7	CT50300C00.....	G-8	CTB100RAF2C0.....	G-13
CT40400M0.....	G-7	CT50300C0UG.....	G-17	CTB100RAF2L.....	G-13
CT40400M00.....	G-7	CT50300C2.....	G-8	CTB100SF2C.....	G-13
CT40400SSBC.....	G-15	CT50300CUG.....	G-17	CTB125RA4C.....	G-13
CT40400SSBC0.....	G-15	CT50300M.....	G-8	CTB125RA4CUG.....	G-19
CT40400SSBD.....	G-15	CT50300M0.....	G-8	CTB125RA4DUG.....	G-19
CT40400SSBD0.....	G-15	CT50300M00.....	G-8	CTB150AAF3C.....	G-13
CT50137RC.....	G-11	CT50300M0UG.....	G-17	CTB150AAF3D.....	G-13
CT50175C.....	G-7	CT50300MH10C0UG.....	G-19	CTB150RA4C.....	G-13
CT50175C0.....	G-7	CT50300MH10CUG.....	G-19	CTB150RAF3C0.....	G-13
CT50175C00.....	G-7	CT50300MUG.....	G-17	CTB150RAF3D.....	G-13
CT50175C0UG.....	G-17	CT50300SSBB.....	G-15	CTB150SF3C.....	G-13
CT50175C1.....	G-7	CT50300SSBB0.....	G-15	CTHS120400M.....	G-12
CT50175C2.....	G-7	CT50300SSBC.....	G-15	CTHS18075M.....	G-12
CT50175C3.....	G-7	CT50300SSBC0.....	G-15	CTHS40125M.....	G-12

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

CTHS50300M.....	G-12	CTSS250300PC304L.....	G-23	CTSS500300316C.....	G-25
CTHS50400M.....	G-12	CTSS250300PC316L.....	G-26	CTSS500400304L.....	G-22
CTHS50700M.....	G-12	CTSS250400FC304L.....	G-24	CTSS500400316L.....	G-25
CTNT50200CO.....	G-20	CTSS250400FC316L.....	G-27	CTSS500500304L.....	G-22
CTNT50200DO.....	G-20	CTSS250400PC304L.....	G-23	CTSS500500316L.....	G-25
CTNT50275CO.....	G-20	CTSS250400PC316L.....	G-26	CTSS500600304L.....	G-22
CTNT50275DO.....	G-20	CTSS250500FC304L.....	G-24	CTSS500600316L.....	G-25
CTNT50350CO.....	G-20	CTSS250500FC316L.....	G-27	CTSS500700304L.....	G-22
CTNT50350DO.....	G-20	CTSS250500PC304L.....	G-23	CTSS500700316L.....	G-25
CTNT50400CO.....	G-20	CTSS250500PC316L.....	G-26	CTSS500750304L.....	G-22
CTNT50400DO.....	G-20	CTSS250600FC304L.....	G-24	CTSS500750316L.....	G-25
CTNT50500CO.....	G-20	CTSS250600FC316L.....	G-27	CTSS500800304L.....	G-22
CTNT50500DO.....	G-20	CTSS250600PC304L.....	G-23	CTSS500800316L.....	G-25
CTNT50575CO.....	G-20	CTSS250600PC316L.....	G-26	CTSS675200FC304Q.....	G-24
CTNT50575DO.....	G-20	CTSS250700FC304L.....	G-24	CTSS675200FC316Q.....	G-27
CTNT50650CO.....	G-20	CTSS250700FC316L.....	G-27	CTSS675200PC304Q.....	G-23
CTNT50650DO.....	G-20	CTSS250700PC304L.....	G-23	CTSS675200PC316Q.....	G-26
CTNT50725CO.....	G-20	CTSS250700PC316L.....	G-26	CTSS675300FC304Q.....	G-24
CTNT50725DO.....	G-20	CTSS250800FC304L.....	G-24	CTSS675300FC316Q.....	G-27
CTNT50750CO.....	G-20	CTSS250800FC316L.....	G-27	CTSS675300PC304Q.....	G-23
CTNT50750DO.....	G-20	CTSS250800PC304L.....	G-23	CTSS675300PC316Q.....	G-26
CTSS100100FC304C.....	G-24	CTSS250800PC316L.....	G-26	CTSS675400FC304Q.....	G-24
CTSS100100FC316C.....	G-27	CTSS450200FC304L.....	G-24	CTSS675400FC316Q.....	G-27
CTSS100200FC304C.....	G-24	CTSS450200FC316L.....	G-27	CTSS675400PC304Q.....	G-23
CTSS100200FC316C.....	G-27	CTSS450200PC304L.....	G-23	CTSS675400PC316Q.....	G-26
CTSS100300FC304C.....	G-24	CTSS450200PC316L.....	G-26	CTSS675500FC304Q.....	G-24
CTSS100300FC316C.....	G-27	CTSS450300FC304L.....	G-24	CTSS675500FC316Q.....	G-27
CTSS100400FC304C.....	G-24	CTSS450300FC316L.....	G-27	CTSS675500PC304Q.....	G-23
CTSS100400FC316C.....	G-27	CTSS450300PC304L.....	G-23	CTSS675500PC316Q.....	G-26
CTSS100500FC304C.....	G-24	CTSS450300PC316L.....	G-26	CTSS675600FC304Q.....	G-24
CTSS100500FC316C.....	G-27	CTSS450400FC304L.....	G-24	CTSS675600FC316Q.....	G-27
CTSS100600FC304C.....	G-24	CTSS450400FC316L.....	G-27	CTSS675600PC304Q.....	G-23
CTSS100600FC316C.....	G-27	CTSS450400PC304L.....	G-23	CTSS675600PC316Q.....	G-26
CTSS100800FC304C.....	G-24	CTSS450400PC316L.....	G-26	CTSS675700FC304Q.....	G-24
CTSS100800FC316C.....	G-27	CTSS450500FC304L.....	G-24	CTSS675700FC316Q.....	G-27
CTSS225100304C.....	G-22	CTSS450500FC316L.....	G-27	CTSS675700PC304Q.....	G-23
CTSS225100316C.....	G-25	CTSS450500PC304L.....	G-23	CTSS675700PC316Q.....	G-26
CTSS225200304C.....	G-22	CTSS450500PC316L.....	G-26	CTSS675800FC304Q.....	G-24
CTSS225200316C.....	G-25	CTSS450600FC304L.....	G-24	CTSS675800FC316Q.....	G-27
CTSS225300304C.....	G-22	CTSS450600FC316L.....	G-27	CTSS675800PC304Q.....	G-23
CTSS225300316C.....	G-25	CTSS450600PC304L.....	G-23	CTSS675800PC316Q.....	G-26
CTSS225400304C.....	G-22	CTSS450600PC316L.....	G-26	CTSS700200304L.....	G-22
CTSS225400316C.....	G-25	CTSS450700FC304L.....	G-24	CTSS700200316L.....	G-25
CTSS225500304C.....	G-22	CTSS450700FC316L.....	G-27	CTSS700300304L.....	G-22
CTSS225500316C.....	G-25	CTSS450700PC304L.....	G-23	CTSS700300316L.....	G-25
CTSS225600304C.....	G-22	CTSS450700PC316L.....	G-26	CTSS700400304L.....	G-22
CTSS225600316C.....	G-25	CTSS450800FC304L.....	G-24	CTSS700400316L.....	G-25
CTSS250200FC304L.....	G-24	CTSS450800FC316L.....	G-27	CTSS700500304L.....	G-22
CTSS250200FC316L.....	G-27	CTSS450800PC304L.....	G-23	CTSS700500316L.....	G-25
CTSS250200PC304L.....	G-23	CTSS450800PC316L.....	G-26	CTSS700600304L.....	G-22
CTSS250200PC316L.....	G-26	CTSS500200304L.....	G-22	CTSS700600316L.....	G-25
CTSS250300FC304L.....	G-24	CTSS500200316C.....	G-25	CTSS700700304L.....	G-22
CTSS250300FC316L.....	G-27	CTSS500300304L.....	G-22	CTSS700700316L.....	G-25

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

CTSS700800304L.....	G-22	EA2C	A-14	FD68C8.....	L-41
CTSS700800316L.....	G-25	EA34.....	A-14	FD68D12.....	L-41
CTSS900200304L.....	G-22	EA342N.....	A-14	FD68D8.....	L-41
CTSS900200316L.....	G-25	EP10.....	N-92	FD69C8.....	L-41
CTSS900300304L.....	G-22	EP101HP.....	N-92	FD69D12.....	L-41
CTSS900300316L.....	G-25	EP101HP2.....	N-92	FD69D8.....	L-41
CTSS900400304L.....	G-22	EP102.....	N-92	FD70D12.....	L-41
CTSS900400316L.....	G-25	EPAC10.....	N-93	FD70D16.....	L-41
CTSS900500304L.....	G-22	EPP10.....	N-91	FFGC2.....	E-45
CTSS900500316L.....	G-25	EPPCASE1.....	N-91	FFGC2/0.....	E-45
CTSS900600304L.....	G-22	EQC632C.....	H-42	FFGC4.....	E-45
CTSS900600316L.....	G-25	EQC632C1.....	E-32	FFGC6.....	E-45
CTSS900700304L.....	G-22	ES25A25A.....	H-46	FFGC8.....	E-45
CTSS900700316L.....	G-25	ES25A2W.....	H-46	FL1025X03B.....	B-71
CTSS900800304L.....	G-22	ES25A4W.....	H-46	FL1025X03D.....	B-71
CTSS900800316L.....	G-25	ES25R25R.....	H-46	FL1425X03B.....	B-71
CTT50.....	G-32	ES25R2R.....	H-46	FL1425X03D.....	B-71
CTTSS900.....	G-32	ES25R2W.....	H-46	FL1825X03B.....	B-71
CTZ100300C6.....	G-21	ES25R4W.....	H-46	FL1825X03D.....	B-71
CTZ100400C6.....	G-21	ES25R6W.....	H-46	FLN1025X03D.....	B-71
CTZ18075C6.....	G-21	ES2R2R.....	H-46	FLN1425X03D.....	B-71
CTZ18125C6.....	G-21	ES2R2W.....	H-46	FLN1825X03D.....	B-71
CTZ30200C6.....	G-21	ES2R4W.....	H-46		N-11, N-12,
CTZ50175C6.....	G-21	ES2R6W.....	H-46	FORCEGAUGE11.....	N-102
CTZ50300C6.....	G-21	ES2R8W.....	H-46		N-7, N-8,
CTZ50400C6.....	G-21	ES2W2W.....	H-46		N-9, N-10,
CUSA442NTC.....	C-135	ES2W4W.....	H-46	FORCEGAUGE1215.....	N-18, N-102
CUSA442TC38.....	C-135	ES2W6W.....	H-46	FP10.....	N-94
CUT200BLMVBL.....	N-69, N-82	ES2W8W.....	H-46	FP6.....	N-94
CUT200BLSTA.....	N-69, N-82	ES4W4W.....	H-46	FQN10F25X03D.....	B-67
CUW26RE1.....	H-75	ES4W6W.....	H-46	FQN10M25X03B.....	B-66
CUW30AE.....	H-75	ES4W8W.....	H-46	FQN10M25X03D.....	B-66
CUW32RE.....	H-75	ES6W6W.....	H-46	FQN14F18X02D.....	B-67
CUW34E.....	H-74	ES6W8W.....	H-46	FQN14F25X03D.....	B-67
CUW361RE.....	H-75	ES8W8W.....	H-46	FQN14M18X02D.....	B-66
CUW391AE.....	H-75	FCB632NP300.....	A-10, L-10	FQN14M25X03B.....	B-66
CUW44E.....	H-74	FCB634N.....	A-10, L-10	FQN14M25X03D.....	B-66
CY1CL14D50LT38.....	E-83	FCB636N.....	A-10, L-10	FQN18F25X03D.....	B-67
CZ-11.....	E-51	FCB6444NP50.....	A-10, L-10	FQN18M18X02D.....	B-66
Die Profiles.....	N-56	FCB644N.....	A-10, L-10	FQN18M25X03B.....	B-66
DUW28.....	H-74	FCB646N.....	A-10, L-10	FQN18M25X03D.....	B-66
DUW28A.....	H-75	FCB654N.....	A-10, L-10	FQP10F25X03D.....	B-66
DUW31.....	H-74	FD64C5T16.....	L-41	FQP14F11X03D.....	B-66
DUW34.....	H-74	FD655C6.....	L-41	FQP14F18X02D.....	B-66
DUW44.....	H-74	FD655D6.....	L-41	FQP14F25X03D.....	B-66
DUW44A.....	H-75	FD65C6T14.....	L-41	FQP18F11X03D.....	B-66
DUW44AE.....	H-75	FD66C6.....	L-41	FQP18F18X02D.....	B-66
E2C34G1.....	H-41, L-10	FD66D6.....	L-41	FQP18F25X03D.....	B-66
E3C34G1.....	H-41, L-10	FD675C8.....	L-41	FT3B4/0.....	A-62
E4C34G1.....	H-41, L-10	FD675D8.....	L-41	FT3B500.....	A-62
EA25.....	A-14	FD685C8.....	L-41	FT4B4/0.....	A-62
EA28.....	A-14	FD685D12.....	L-41	FT4B500.....	A-62
EA282N.....	A-14	FD685D8.....	L-41	GA25H26.....	E-46

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

GAR25H29.....	E-46	GAR3904.....	E-39	GD1526.....	E-41
GA400H294CTN.....	E-46	GAR3904-BU.....	E-39	GD1529.....	E-41
GA600H30SS.....	E-46	GAR3904TC.....	E-40	GD1626.....	E-41
GA800H30SS.....	E-46	GAR3905.....	E-39	GD1629.....	E-41
GAR1126.....	E-37	GAR3905-BU.....	E-39	GD1726.....	E-41
GAR1129.....	E-37	GAR3905TC.....	E-40	GD1729.....	E-41
GAR114C.....	E-37	GAR3906.....	E-39	GD1734.....	E-41
GAR1426.....	E-37	GAR3906-BU.....	E-39	GD174C.....	E-41
GAR1429.....	E-37	GAR3906TC.....	E-40	GD1826.....	E-41
GAR1434.....	E-37	GAR3907.....	E-39	GD1829.....	E-41
GAR144C.....	E-37	GAR3907-BU.....	E-39	GD1834.....	E-41
GAR1526.....	E-37	GAR3907TC.....	E-40	GD184C.....	E-41
GAR1529.....	E-37	GAR3908.....	E-39	GD1926.....	E-41
GAR1534.....	E-37	GAR3908-BU.....	E-39	GD1929.....	E-41
GAR154C.....	E-37	GAR3908TC.....	E-40	GD1934.....	E-41
GAR1626.....	E-37	GAR3909.....	E-39	GD194C.....	E-41
GAR1629.....	E-37	GAR3909-BU.....	E-39	GD2026.....	E-41
GAR1634.....	E-37	GAR3909TC.....	E-40	GD2029.....	E-41
GAR164C.....	E-37	GAR6426.....	E-37	GD2034.....	E-41
GAR1726.....	E-38	GAR6429.....	E-37	GD204C.....	E-41
GAR1729.....	E-38	GAR6434.....	E-37	GD2126.....	E-41
GAR1734.....	E-38	GAR644C.....	E-37	GD2129.....	E-41
GAR174C.....	E-38	GAR8629.....	E-38	GD2134.....	E-41
GAR1826.....	E-38	GAR8634.....	E-38	GD214C.....	E-41
GAR1829.....	E-38	GB26.....	E-61	GD2226.....	E-41
GAR1834.....	E-38	GB29.....	E-61	GD2229.....	E-41
GAR184C.....	E-38	GB34.....	E-61	GD2234.....	E-41
GAR1926.....	E-38	GB4C.....	E-61	GD224C.....	E-41
GAR1929.....	E-38	GBL30.....	E-61	GG15-1.....	E-44
GAR1934.....	E-38	GBM26.....	E-61	GG16-1.....	E-44
GAR194C.....	E-38	GBM29.....	E-61	GG17-1.....	E-44
GAR2026.....	E-38	GBM34.....	E-61	GG17-15.....	E-44
GAR2029.....	E-38	GBM4C.....	E-61	GG18-1.....	E-44
GAR2034.....	E-38	GC15A.....	E-55	GG18-15.....	E-44
GAR204C.....	E-38	GC18A.....	E-55	GG18-2.....	E-44
GAR2126.....	E-38	GC22A.....	E-55	GG19-2.....	E-44
GAR2129.....	E-38	GC2525CT.....	E-68	GG19-25.....	E-44
GAR2134.....	E-38	GC2626.....	E-61	GG20-2.....	E-44
GAR214C.....	E-38	GC2626CT.....	E-68	GG20-25.....	E-44
GAR2226.....	E-38	GC2929.....	E-61	GG20-3.....	E-44
GAR2229.....	E-38	GC2929CT.....	E-68	GG21-2.....	E-44
GAR2234.....	E-38	GC3434.....	E-61	GG21-25.....	E-44
GAR224C.....	E-38	GC4C4C.....	E-61	GG21-3.....	E-44
GAR2426.....	E-38	GCB63T13G1.....	E-66	GG21-35.....	E-44
GAR2429.....	E-38	GCL30.....	E-61	GG22-2.....	E-44
GAR2434.....	E-38	GCM26.....	E-61	GG22-25.....	E-44
GAR244C.....	E-38	GCM29.....	E-61	GG22-3.....	E-44
GAR3902.....	E-39	GCM34.....	E-61	GG22-4.....	E-44
GAR3902-BU.....	E-39	GCM4C.....	E-61	GG24-2.....	E-44
GAR3902TC.....	E-40	GCRT1/0.....	E-33	GIE2CG3.....	E-64
GAR3903.....	E-39	GCS26HEX.....	E-36	GIE4CG3.....	E-64
GAR3903-BU.....	E-39	GCS29HEX.....	E-36	GIE4CG3P5.....	E-64
GAR3903TC.....	E-40	GCS34HEX.....	E-36	GIE4CG3P7.....	E-64

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

GIE4CG4.....	E-64	GP6426.....	E-42	GZ4C-58.....	E-62
GIE4CG4P5.....	E-64	GP6429.....	E-42	HFB22P1.....	L-49
GIE4CG4P7.....	E-64	GP6434.....	E-42	HFB334N.....	L-49
GK1126.....	E-43	GP644C.....	E-42	HFB33P1.....	L-49
GK1129.....	E-43	GP64526G1.....	E-71	HFB42P1.....	L-49
GK114C.....	E-43	GP64528G1.....	E-71	HFB444N.....	L-49
GK1426.....	E-43	GP654CG1.....	E-71	HFB44G30W.....	L-48
GK1429.....	E-43	GO26-1.....	E-49	HFB44G31W.....	L-48
GK1434.....	E-43	GO2626.....	E-49	HFB44G32W.....	L-48
GK1526.....	E-43	GO29-1.....	E-49	HFB44P1.....	L-49
GK1529.....	E-43	GO2929.....	E-49	HFB52P1.....	L-49
GK1626.....	E-43	GRC12.....	E-33	HFB53P1.....	L-49
GK1629.....	E-43	GRC34.....	E-33	HFB54P1.....	L-49
GK1726.....	E-43	GRC58.....	E-33	HFB55P1.....	L-49
GK1729.....	E-43	GRF4C-3.....	E-70	HFB62P1.....	L-49
GK1826.....	E-43	GRF4C-4.....	E-70	HFB63P1.....	L-49
GK1829.....	E-43	GRL3.....	E-33	HFB64P1.....	L-49
GK1926.....	E-43	GRL4.....	E-33	HFB666N.....	L-49
GK1929.....	E-43	GRL5.....	E-33	HIW716ENFKIT2.....	N-109
GK6426.....	E-43	GRL6.....	E-33	HIW716ENFKIT3.....	N-109
GK6429.....	E-43	GROUNDMAX25.....	E-128	HIW716ENFTGKIT.....	N-109
GK6434.....	E-43	GROUNDMAX50.....	E-128	HIW716ENFTGKIT1.....	N-109
GK644C.....	E-43	GROUNDTAB1/2.....	E-18	HIW716MAGKIT1.....	N-110
GKA25.....	E-34	GROUNDTAB3/8.....	E-18	HIW716MAGKIT2.....	N-110
GKA25SB.....	E-34	GSC632NH1B.....	E-67	HIW716MAGKIT3.....	N-110
GKA28.....	E-34	GSC632NH1BCOVER1.....	E-67	HP10.....	N-94
GKA28SB.....	E-34	GSC752N30B.....	E-67	HPS1375LWMAG.....	N-112
GKA4C.....	E-34	GSC752N30B45.....	E-67	HPS1388LWMAG.....	N-112
GKA8C.....	E-34	GSC752N30B90.....	E-67	HS_100FR.....	D-9
GL2626.....	E-62	GSC7530BCOVER.....	E-67	HS_100FR100.....	D-9
GL2929.....	E-62	GSTUD14HY.....	E-24	HS_100T300PF.....	D-6
GL3434.....	E-62	GSTUD34HY.....	E-24	HS_100T48PF.....	D-5
GL4C4C.....	E-62	GSTUD38HY.....	E-24	HS_112FR.....	D-9
GP10.....	N-95	GSTUD916HY.....	E-24	HS_112FR100.....	D-9
GP1126.....	E-42	GX2626.....	E-49	HS_116T300PF.....	D-6
GP1129.....	E-42	GX264C.....	E-49	HS_116T48PF.....	D-5
GP114C.....	E-42	GX2926.....	E-49	HS_12FR.....	D-9
GP1426.....	E-42	GX2929.....	E-49	HS_12FR250.....	D-9
GP1429.....	E-42	GX294C.....	E-49	HS_12T300PF.....	D-6
GP1434.....	E-42	GX3426.....	E-49	HS_12T48PF.....	D-5
GP144C.....	E-42	GX3429.....	E-49	HS_14FR.....	D-9
GP1526.....	E-42	GX3434.....	E-49	HS_14FR250.....	D-9
GP1526G1.....	E-71	GX344C.....	E-49	HS_14T300PF.....	D-6
GP154C.....	E-42	GX4C4C.....	E-49	HS_14T48PF.....	D-5
GP1629.....	E-42	GXP1828RF.....	E-69	HS_150T48PF.....	D-5
GP164C.....	E-42	GZ26-12.....	E-62	HS_18FR.....	D-9
GP1726.....	E-42	GZ26-38.....	E-62	HS_18FR250.....	D-9
GP1726G1.....	E-71	GZ26-58.....	E-62	HS_18T300PF.....	D-6
GP1726RT.....	E-71	GZ29-12.....	E-62	HS_18T48PF.....	D-5
GP1826.....	E-42	GZ29-38.....	E-62	HS_200FR.....	D-9
GP184C.....	E-42	GZ29-58.....	E-62	HS_200FR100.....	D-9
GP2026.....	E-42	GZ4C-12.....	E-62	HS_200T48PF.....	D-5
GP2226.....	E-42	GZ4C-38.....	E-62	HS_316T300PF.....	D-6

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

HS_316T48PF	D-5	HSIC10500FR	D-10	K21A39U2N	A-26
HS_332T300PF	D-6	HSIC200FR	D-10	K22A36U2	A-25
HS_332T48PF	D-5	HSIC301000FR	D-10	K22A36U2N	A-26
HS_34FR	D-9	HSIC350FR	D-10	K22A39U2	A-25
HS_34FR250	D-9	HSIC440FR	D-10	K22A39U2N	A-26
HS_34T300PF	D-6	HSIC81FR	D-10	K2A25U	A-23
HS_34T48PF	D-5	HSKIT	B-83	K2A26U	A-23
HS_38FR	D-9	HSM100T6PF7	D-4	K2A29U	A-23
HS_38FR250	D-9	HSM116T6PF26	D-4	K2A31U	A-23
HS_38T300PF	D-6	HSM12T6PF10	D-4	K2A31U2N	A-23
HS_38T48PF	D-5	HSM14T6PF14	D-4	K2A36U	A-23
HSB100T6PF7	D-4	HSM18T6PF20	D-4	K2A36U2N	A-23
HSB110H48PF5	D-7	HSM316T6PF18	D-4	K2A40U	A-23
HSB110H6PF5	D-7	HSM332T6PF24	D-4	K2A40U2N	A-23
HSB110H9PF5	D-7	HSM34T6PF8	D-4	K2A44U	A-23
HSB11612T6PF14	D-4	HSM38T6PF12	D-4	K2A44U2N	A-23
HSB116T6PF26	D-4	HYA_28	K-48	K2C15	E-30
HSB12T6PF10	D-4	HYA_29	K-48	K2C15B1	E-30
HSB14T6PF14	D-4	HYA_31	K-48	K2C17	E-30
HSB150H12PF3	D-7	HYA_34	K-48	K2C17B1	E-30
HSB150H48PF5	D-7	HYA_39	K-48	K2C20	E-30
HSB150H9PF3	D-7	HYAO_28	K-48	K2C20B1	E-30
HSB18T6PF20	D-4	HYAO_29	K-48	K2C22	E-30
HSB200H12PF2	D-7	HYAO_31	K-48	K2C22B1	E-30
HSB200H48PF2	D-7	HYAO_34	K-48	K2C23	E-30
HSB200H9PF2	D-7	HYAO_39	K-48	K2C23B1	E-30
HSB316T6PF18	D-4	HYFLUIDGAL	N-101	K2C25	E-30
HSB332T6PF24	D-4	HYFLUIDQT	N-101	K2C25B1	E-30
HSB34H48PF5	D-7	HYM_28	K-48	K2C26	E-30
HSB34H6PF10	D-7	HYM_29	K-48	K2C26B1	E-30
HSB34H9PF10	D-7	HYM_31	K-48	K2C28	E-30
HSB34T6PF8	D-4	HYM_34	K-48	K2C28B1	E-30
HSB35H3PF25	D-7	HYM_39	K-48	K2C28G3	E-30
HSB35H48PF5	D-7	HYS_28	K-48	K2C31	E-30
HSB35H6PF25	D-7	HYS_29	K-48	K2C31B1	E-30
HSB38100T6PF8	D-4	HYS_31	K-48	K2C34	E-30
HSB38T6PF12	D-4	HYS_34	K-48	K2C34B1	E-30
HSC100FR	D-8	HYS_39	K-48	K3A25U2	A-24
HSC100FR100	D-8	J1252	H-39	K3A25U4	A-24
HSC112FR	D-8	J278	E-63	K3A26U2N	A-24
HSC112FR100	D-8	J278G1	E-63	K3A27U2N	A-24
HSC12FR	D-8	J279	E-63	K3A27U4N	A-24
HSC12FR250	D-8	J280	E-63	K3A29U2N	A-24
HSC14FR	D-8	J295	E-63	K3A29U4N	A-24
HSC14FR250	D-8	J990	H-39	K3A2U2	A-24
HSC18FR	D-8	K11A30U	A-25	K3A2U4	A-24
HSC18FR250	D-8	K11A34U2	A-25	K3A31U2N	A-24
HSC200FR	D-8	K11A36U2	A-25	K3A31U4N	A-24
HSC200FR100	D-8	K11A36U2N	A-26	K3A36U2N	A-24
HSC34FR	D-8	K11A39U2	A-25	K3A36U4N	A-24
HSC34FR250	D-8	K11A39U2N	A-26	K3A40U4N	A-24
HSC38FR	D-8	K21A36U2	A-25	K4A29U4N	A-25
HSC38FR250	D-8	K21A36U2N	A-26	K4A31U4N	A-25

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

K6A34U8.....	A-27	KC23B1.....	E-30	KPA8C.....	A-12
K6P28.....	K-56	KC25.....	E-30	KPA8CUP.....	A-12
K6P28C.....	K-56	KC25B1.....	E-30	KPB4CG1.....	E-34
K8A34U10.....	A-27		E-30, E-32,	KPC28.....	K-56
KA25.....	A-14	KC26.....	H-42	KPU29A26AC.....	A-31
KA252TC38.....	A-14	KC26B1.....	E-30	KPU29A29AC.....	A-31
KA25U.....	A-22	KC28.....	E-30	KPU34A26AC.....	A-31
KA26U.....	A-22	KC28B1.....	E-30	KPU34A34AC.....	A-31
KA28.....	A-14	KC31.....	E-30	KPU39A39AC.....	A-31
KA29U.....	A-22	KC31B1.....	E-30		A-3, E-32,
KA2U.....	A-22	KC34.....	E-30	KS15.....	H-4
KA30226U.....	A-22	KC34B1.....	E-30		A-3, E-32,
KA30U.....	A-22	KC34J12T13.....	E-32, H-42	KS17.....	H-4
KA31U.....	A-22	KCKF23.....	E-31	KS173.....	A-3, H-4
KA34.....	A-14	KCKF25.....	E-31		A-3, E-32,
KA34U.....	A-22	KCKF28.....	E-31	KS20.....	H-4
KA36229U.....	A-22	KK3A36U2N.....	A-24	KS203.....	A-3, H-4
KA36U.....	A-22	KK3A36U4N.....	A-24		A-3, E-32,
KA36U2N.....	A-22	KK3A40U2N.....	A-24	KS22.....	H-4
KA39230U.....	A-22	KK3A40U4N.....	A-24	KS223.....	A-3, H-4
KA40U.....	A-22	KK3A44U2N.....	A-24		A-3, E-32,
KA40U2N.....	A-22	KK3A44U4N.....	A-24	KS23.....	H-4
KA44U.....	A-22	KK4A36U4N.....	A-25		A-3, E-32,
KA44U2N.....	A-22	KK4A40U4N.....	A-25	KS25.....	H-4
KA4C.....	A-14	KK6A31U8.....	A-27		A-3, E-32,
KA6U.....	A-22	KK6A34U8.....	A-27	KS26.....	H-4
KA8C.....	A-14	KK6A44U12.....	A-27		A-3, E-32,
KAP1/0.....	A-29	KK8A31U10.....	A-27	KS27.....	H-4
KAP250R.....	A-29	KK8A34U10.....	A-27		A-3, E-32,
KAP350.....	A-29	KK8A39U12.....	A-27	KS29.....	H-4
KAP350R.....	A-29	KK8A44U14.....	A-27		A-3, E-32,
KAP500R.....	A-29	KKA31U2N.....	A-22	KS31.....	H-4
KAP750.....	A-29	KLU125.....	A-13		A-3, E-32,
KAPO1/0.....	A-29	KLU125TP.....	A-13	KS34.....	H-4
KAPO250R.....	A-29	KLU175.....	A-13	KS39.....	A-3, H-4
KAPO350.....	A-29	KLU175TP.....	A-13	KS44.....	A-3, H-4
KAPO350R.....	A-29	KLU225.....	A-13	KS90.....	A-3, H-4
KAPO500R.....	A-29	KLU225TP.....	A-13	KSA1/0.....	A-5
KAPO750.....	A-29	KLU25.....	A-13	KSA2.....	A-5
KAUKIT1.....	A-28	KLU25TP.....	A-13	KSA2/0.....	A-5
KAUKIT2.....	A-28	KLU300.....	A-13	KSA350.....	A-5
KAUKIT3.....	A-28	KLU300TP.....	A-13	KSA4.....	A-5
KAUKIT4.....	A-28	KLU35.....	A-13	KSA4/0.....	A-5
KC15.....	E-30	KLU35TP.....	A-13	KSA500.....	A-5
KC15B1.....	E-30	KLU400.....	A-13	KSA6.....	A-5
KC17.....	E-30	KLU400TP.....	A-13	KSU17.....	A-4, H-5
KC17B1.....	E-30	KLU70.....	A-13	KSU20.....	A-4, H-5
KC20.....	E-30	KLU70TP.....	A-13	KSU22.....	A-4, H-5
KC20B1.....	E-30	KPA25.....	A-12	KSU23.....	A-4, H-5
KC22.....	E-30	KPA28.....	A-12	KSU25.....	A-4, H-5
KC22B1.....	E-30	KPA34.....	A-12	KSU26.....	A-4, H-5
KC22J12T13.....	E-32, H-42	KPA4C.....	A-12	KSU27.....	A-4, H-5
KC23.....	E-30	KPA4CUP.....	A-12	KSU29.....	A-4, H-5

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

KSU31.....	A-4, H-5	LF1006.....	K-42	LSC5561.....	H-20
KSU34.....	A-4, H-5	LF1010.....	K-42	LYBASEH.....	K-43
KVS26.....	A-6, H-6	LF1014.....	K-42	LYM1CC.....	K-41
KVS26A.....	A-7, H-8	LF1025.....	K-42	LYM25C.....	K-41
KVS28.....	A-6, H-6	LF2019.....	K-42	LYM26C.....	K-41
KVS28A.....	A-7, H-8	LF2027.....	K-42	LYM27C.....	K-41
KVS31.....	A-6, H-6	LF2038.....	K-42	LYM28C.....	K-41
KVS31A.....	A-7, H-8	LF2065.....	K-42	LYM29C.....	K-41
KVS34.....	A-6, H-6	LF2108.....	K-42	LYM2CC.....	K-41
KVS34A.....	A-7, H-8	LH283.....	L-36	LYM30C.....	K-41
KVS40.....	A-6, H-6	LH343.....	L-36	LYM31C.....	K-41
KVS40A.....	A-7, H-8	LH453.....	L-36	LYM32C.....	K-41
KVS44.....	A-6, H-6	LHR293.....	L-36	LYM34C.....	K-41
KVS44A.....	A-7, H-8	LHR443.....	L-36	LYM34P3.....	K-45
KVSU26.....	A-6, H-7	LHR445.....	L-36	LYS1CC.....	K-40
KVSU28.....	A-6, H-7	LOOM100.....	G-32	LYS1CP5.....	K-44
KVSU31.....	A-6, H-7	LOOM150.....	G-32	LYS25C.....	K-40
KVSU34.....	A-6, H-7	LOOM200.....	G-32	LYS25P5.....	K-44
KVSU40.....	A-6, H-7	LOOM75.....	G-32	LYS26C.....	K-40
KVSU44.....	A-6, H-7	LPC12S.....	N-113	LYS26P5.....	K-44
KVSW26.....	A-7, H-6	LPHTADPMM71612.....	N-110, N-113	LYS27C.....	K-40
KVSW28.....	A-7, H-6		N-109,	LYS27P5.....	K-44
KVSW31.....	A-7, H-6	LPHTADPMMOP66.....	N-110, N-113	LYS28C.....	K-40
KVSW34.....	A-7, H-6		N-109,	LYS28P5.....	K-44
KVSW40.....	A-7, H-6	LPHTADPSMFOP66.....	N-110, N-111	LYS29C.....	K-40
KVSW44.....	A-7, H-6	LPHTADPSMFOP66.....	N-110, N-111	LYS29P5.....	K-44
LB13A.....	L-39	LPHTBIT111618D.....	N-108	LYS2CC.....	K-40
LB14A.....	L-39	LPHTBIT111624D.....	N-108	LYS2CP5.....	K-44
LB15A.....	L-39	LPHTBIT131618D.....	N-108	LYS30C.....	K-40
LB16A.....	L-39	LPHTBIT131624D.....	N-108	LYS30P5.....	K-44
LB17A.....	L-39	LPHTBIT151618D.....	N-108	LYS31C.....	K-40
LB18A.....	L-39	LPHTBIT151624D.....	N-108	LYS31P5.....	K-44
LB19A.....	L-39	LPHTBIT3418D.....	N-108	LYS32C.....	K-40
LB20A.....	L-39	LPHTBIT5818D.....	N-108	LYS32P5.....	K-44
LB21A.....	L-39	LPHTBIT91618D.....	N-108	LYS32P6.....	K-45
LB22A.....	L-39	LPHTDRIPBODY66.....	N-113	LYS34C.....	K-40
LB23A.....	L-39	LPHTDRIPNOSE66.....	N-113	LYS34P2.....	K-43
LB24A.....	L-39		N-109,	LYS34P5.....	K-44
LB53A.....	L-39	LPHTHOSNCR666610.....	N-110, N-113	LYS48P6.....	K-45
LB54A.....	L-39	LPHTHOSNCR666610OP.....	N-111, N-113	LYS4CC.....	K-40
LB55A.....	L-39		N-109,	LYS4CP5.....	K-44
LB56A.....	L-39	LPHTHOSNCR66668.....	N-110, N-111,	LYS4CP5.....	K-44
LB57A.....	L-39	LPHTHOSNCR66668OP.....	N-111, N-113	LYS64P6.....	K-45
LB58A.....	L-39		N-109,	LYS6CP5.....	K-44
LB59A.....	L-39	LPHTHTMABODY66.....	N-110, N-111	LYS80P6.....	K-45
LB83A.....	L-39	LPHTHTMADJUSTCAPF.....	N-113	M20.....	H-73
LB86A.....	L-39	LPHTHTMADJUSTCAPM.....	N-113	M30.....	H-73
LB88A.....	L-39		N-109,	M40.....	H-73
LB90A.....	L-39	LPHTHTMANOSE66.....	N-110, N-111	M50.....	H-73
LB91A.....	L-39	LPHY750XT.....	N-111	M60.....	H-73
LB92A.....	L-39	LSC1/0.....	H-20	M70.....	H-73
LB94A.....	L-39	LSC1/01.....	H-20	M80.....	H-73
LB96A.....	L-39	LSC556.....	H-20	M8ND.....	N-46
				M90.....	H-73

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

MCC1000	N-86	N2AH4444N	L-15	NAR29A2N	L-20
MCC1000BLADESET	N-86	N2AH4444NHQ	L-15	NAR29A4N	L-20
MCC600	N-86	N2AH4644N	L-15	NAR32A2N	L-20
MCC600BLADESET	N-86	N2AH4844N	L-15	NAR32A4N	L-20
MD6	N-51	NA122N	L-13	NAR36A2N	L-20
MD612	N-51	NA132N	L-13	NAR36A4N	L-20
MD614	N-51	NA142N	L-13	NAR42A2N	L-20
MD637	N-51	NA144N	L-13	NAR42A4N	L-20
MD638	N-51	NA152N	L-13	NAR45A2N	L-20
MD64	N-51	NA154N	L-13	NAR45A4N	L-20
MD66	N-51	NA15A2N	L-24	NAR46A2N	L-20
MD68	N-51	NA15A4N	L-24	NAR46A4N	L-20
MD6CP1	N-99	NA162N	L-13	NAR48A2N	L-20
MD7	N-52	NA164N	L-13	NAR48A4N	L-20
MD734	N-53	NA16A2N	L-24	NAS292N	L-12
MD734KIT1	N-53	NA172N	L-13	NAS2934N	L-12
MD734R	N-53	NA1744NHQ	L-13	NAS29N	L-12
MD734RC	N-53	NA174N	L-13	NAS342N	L-12
MD734RKIT1	N-53	NA17A2N	L-24	NAS3434N	L-12
MD76	N-52	NA17A4N	L-24	NAS34N	L-12
MD78	N-52	NA182N	L-13	NAS40-2N	L-12
MR15	N-41	NA184N	L-13	NAS4034N	L-12
MR15DIESETD1	N-41	NA18A2N	L-24	NAS4044N	L-12
MR18	N-41	NA18A4N	L-24	NBC14A2N	L-21
MR18DIESETD1	N-41	NA1944N	L-13	NBC15A2N	L-21
MR20	N-41	NA1944NHQ	L-13	NBC15A34N	L-21
MR20DIESETD1	N-41	NA194N	L-13	NBC16A2N	L-21
MR4C	N-42	NA194N90CG2	L-13	NBC16A34N	L-21
MR81A	N-39	NA19A4N	L-24	NBC16A44N	L-21
MR833S1	N-39	NA204N	L-13	NBC17A2N	L-21
MR89Q	N-39	NA20A4N	L-24	NBC17A34N	L-21
MR8G96	N-39	NA214N	L-13	NBC17A44N	L-21
MR8G98	N-39	NA224N	L-13	NBC18A2N	L-21
MRC840	N-47	NA22A4N	L-24	NBC18A34N	L-21
MRC840AL	N-47	NAH292N	L-14	NBC18A44N	L-21
MRE1022B	N-40	NAH2934N	L-14	NBC19A34N	L-21
MRE1022NV	N-40	NAH342N	L-14	NBC19A44N	L-21
MY28	N-48	NAH3434N	L-14	NBC20A2N	L-21
MY284	N-48	NAH402N	L-14	NBC20A34N	L-21
MY286	N-48	NAH4034N	L-14	NBC20A44N	L-21
MY2911	N-48	NAH4044N	L-14	NBC21A44N	L-21
MY2911C	N-48	NAH442N	L-14	NBC22A2N	L-21
MY293	N-48	NAH4434N	L-14	NBC22A34N	L-21
MY293C	N-48	NAH4444N	L-14	NBC22A44N	L-21
MY293CF	N-48	NAH462N	L-14	NBC24A2N	L-21
MY29UNIVERSALKIT	N-48	NAH4634N	L-14	NBC24A34N	L-21
N2AH292N	L-15	NAH4644N	L-14	NBC24A44N	L-21
N2AH2934N	L-15	NAH482N	L-14	NBC86A44N	L-21
N2AH342N	L-15	NAH4834N	L-14	NBXR1534NHQ	L-11
N2AH3434N	L-15	NAH4844N	L-14	NBXR1544NHQ	L-11
N2AH3444N	L-15	NAH4862N	L-14	NBXR15CG1	L-11
N2AH4034N	L-15	NAH48634N	L-14	NDR6328T13	L-40
N2AH4434N	L-15	NAR25A2N	L-20	NDR6334T13	L-40

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

NDR6428T16.....	L-40	NNT19A19A.....	L-32	NS2121.....	L-25
NDR6434T12.....	L-40	NNNT20A20A.....	L-32	NS2121HC.....	L-25
NDR6434T16.....	L-40	NNNT21A20A.....	L-32	NS21A21A.....	L-27
NDR6444T16.....	L-40	NNNT22A22A.....	L-32	NS2222.....	L-25
NDR64534T14.....	L-40	NNTR14A29A.....	L-34	NS2222HC.....	L-25
NDR6528T14.....	L-40	NNTR15A36A.....	L-34	NS22A22A.....	L-27
NDR6534T12.....	L-40	NNTR15A42A.....	L-34	NS23A23A.....	L-27
NDR6534T14.....	L-40	NNTR16A29A.....	L-34	NS24A24A.....	L-27
NDR6544T14.....	L-40	NNTR16A32A.....	L-34	NS86A86A.....	L-27
NDR65528T12.....	L-40	NNTR16A42A.....	L-34	NSNT1329.....	L-29
NDR65534T12.....	L-40	NNTR17A29A.....	L-34	NSNT1429.....	L-29
NDR65544T12.....	L-40	NNTR18A29A.....	L-34	NSNT1434.....	L-29
NDR6748T12.....	L-40	NNTR19A42A.....	L-34	NSNT1529.....	L-29
NDR67544T12.....	L-40	NNTR20A32A.....	L-34	NSNT1629.....	L-29
NDR67548T12.....	L-40	NNTR22A46A.....	L-34	NSNT2929.....	L-29
NDR6844T12.....	L-40	NNTR29A29A.....	L-33	NSNT3429.....	L-29
NDR6848T12.....	L-40	NNTR32A25A.....	L-33	NSNT3434.....	L-29
NDR68544T12.....	L-40	NNTR32A32A.....	L-33	NT1313.....	L-28
NFXR15.....	L-47	NNTR36A29A.....	L-33	NT1413.....	L-28
NFXR15CG20.....	L-47	NNTR36A36A.....	L-33	NT1414.....	L-28
NFXR15CG24.....	L-47	NNTR42A32A.....	L-33	NT1514.....	L-28
NFXR15CG7.....	L-47	NNTR42A36A.....	L-33	NT1515.....	L-28
NFXR15HQ.....	L-47	NNTR42A42A.....	L-33	NT1614.....	L-28
NHNT1429.....	L-30	NNTR45A45A.....	L-33	NT1615.....	L-28
NHNT1434.....	L-30	NNTR46A42A.....	L-33	NT1616.....	L-28
NHNT1529.....	L-30	NNTR46A46A.....	L-33	NT1714.....	L-28
NHNT1534.....	L-30	NNTR48A48A.....	L-33	NT1715.....	L-28
NHNT1540.....	L-30	NS1212.....	L-25	NT1717.....	L-28
NHNT1629.....	L-30	NS1313.....	L-25	NT1816.....	L-28
NHNT1634.....	L-30	NS14148HC.....	L-25	NT1817.....	L-28
NHNT1640.....	L-30	NS1414HC.....	L-25	NT1818.....	L-28
NHNT1644.....	L-30	NS14A14A.....	L-27	NT1919.....	L-28
NHNT1729.....	L-30	NS1515.....	L-25	NT2020.....	L-28
NHNT1734.....	L-30	NS1515HC.....	L-25	NT2121.....	L-28
NHNT1740.....	L-30	NS1515HCHQ.....	L-25	NT2222.....	L-28
NHNT1744.....	L-30	NS15A15A.....	L-27	NYFT3434CCP.....	K-39
NHNT1829.....	L-30	NS1616HC.....	L-25	NYFT3434CCR.....	K-39
NHNT1834.....	L-30	NS16A16A.....	L-27	NYT2825.....	K-46
NHNT1840.....	L-30	NS1717.....	L-25	NYT2826.....	K-46
NHNT1844.....	L-30	NS1717HC.....	L-25	NYT2828.....	K-46
NHNT1846.....	L-30	NS1717HCHQ.....	L-25	NYT282C.....	K-46
NHNT1929.....	L-30	NS17A17A.....	L-27	NYT2925.....	K-46
NHNT1934.....	L-30	NS1818.....	L-25	NYT2926.....	K-46
NHNT1940.....	L-30	NS1818CG2.....	L-25	NYT2928.....	K-46
NHNT1944.....	L-30	NS1818HC.....	L-25	NYT2929.....	K-46
NHNT1946.....	L-30	NS18A18A.....	L-27	NYT292C.....	K-46
NHNT2040.....	L-30	NS1919.....	L-25	NYT3125.....	K-46
NHNT2044.....	L-30	NS1919HC.....	L-25	NYT3126.....	K-46
NHNT2229.....	L-30	NS1919HCHQ.....	L-25	NYT3128.....	K-46
NNT15A15A.....	L-32	NS19A19A.....	L-27	NYT3129.....	K-46
NNT16A16A.....	L-32	NS2020.....	L-25	NYT3131.....	K-46
NNT17A17A.....	L-32	NS2020HC.....	L-25	NYT3426.....	K-46
NNT18A18A.....	L-32	NS20A20A.....	L-27	NYT3428.....	K-46

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

NYT3429.....	K-46	PAT500SJ66LI.....	N-16	PATCUT245L5PB.....	N-71
NYT3431.....	K-46	PAT500SJ68L5.....	N-16	PATCUT245LI.....	N-71
NYT3434.....	K-46	PAT500SJ68LI.....	N-16	PATCUT245LIPB.....	N-71
NYT3926.....	K-46	PAT500SJ68LICUTKIT1.....	N-16, N-72	PATCUT4CUALLI.....	N-68
NYT3928.....	K-46	PAT500SJ6L5.....	N-16	PATCUT4L5.....	N-68
NYT3929.....	K-46	PAT500SJ6LI.....	N-16	PATCUT954HS82LCB.....	N-77
NYT3931.....	K-46	PAT500SJ6LICUTKIT1.....	N-16, N-72	PATCUT954HS82LI.....	N-77
NYT3934.....	K-46	PAT500SJCUTL5.....	N-72	PATCUT954HS94L5.....	N-77
NYT3939.....	K-46	PAT500SJCUTLI.....	N-72	PATCUT954HS94LI.....	N-77
NYT4426.....	K-46	PAT600L5.....	N-15	PATMD16003A1.....	N-76
NYT4428.....	K-46	PAT600L5PB.....	N-15	PATMD16005A1.....	N-76
NYT4429.....	K-46	PAT600LI.....	N-15	PATMD26003A1.....	N-76
NYT4431.....	K-46	PAT600LIPB.....	N-15	PATMD26005A1.....	N-76
NYT4434.....	K-46	PAT644L5.....	N-12	PATMD36003A1.....	N-76
NYT4439.....	K-46	PAT644L5PB.....	N-12	PATMD36005A1.....	N-76
NYT4444.....	K-46	PAT644LI.....	N-12		N-16, N-17,
NYT4628.....	K-46	PAT644LIPB.....	N-12	PATMD430LWJAW.....	N-72, N-73
NYT4629.....	K-46	PAT750CL5.....	N-10	PATMD60003A1.....	N-73
NYT4631.....	K-46	PAT750CL5PB.....	N-10	PATMD60005A1.....	N-73
NYT4634.....	K-46	PAT750CLI.....	N-10	PATMD6682ALLIF.....	N-78
NYT4639.....	K-46	PAT750CLIPB.....	N-10	PATMD6682ALLIFWCJ.....	N-78
NYT4644.....	K-46	PAT750L5.....	N-10	PATMD66LW.....	N-17
NYT4646.....	K-46	PAT750L5PB.....	N-10	PATMD66LW5.....	N-17
OEM175TFM.....	N-55	PAT750LI.....	N-10	PATMD66LW5WCCJ.....	N-75
OEM840NCP.....	N-54	PAT750LIPB.....	N-10	PATMD66LW5WCJ.....	N-74
OH25.....	N-49	PAT750T3C03A2.....	N-7		N-16, N-17,
OUR840.....	N-50	PAT750T3C03A3.....	N-7		N-72, N-73,
OUR840WC.....	N-50	PAT750T3C05A2.....	N-7		N-74, N-75,
	N-5, N-8,	PAT750T3C05A3.....	N-7	PATMD66LWJAW.....	N-76, N-78
	N-9, N-25,	PAT750T3U03A2.....	N-7	PATMD66LWJWCVR.....	N-16, N-72
P15K.....	N-26	PAT750T3U03A3.....	N-7	PATMD66LWCCJ.....	N-75
P8A.....	F-5	PAT750T3U05A2.....	N-7	PATMD66LWWCJ.....	N-74
PAT444SL5.....	N-11	PAT750T3U05A3.....	N-7	PATMD682ALLIF.....	N-78
PAT444SL5PB.....	N-11	PAT81KFTL5.....	N-13	PATMD682ALLIFWCJ.....	N-78
PAT444SLI.....	N-11	PAT81KFTL5PB.....	N-13	PATMD6882ALLIF.....	N-78
PAT444SLIPB.....	N-11	PAT81KFTLI.....	N-13	PATMD6882ALLIFWCJ.....	N-78
PAT46CLWLSL5.....	N-8	PAT81KFTLIPB.....	N-13	PATMD68LW.....	N-17
PAT46CLWLSL5PB.....	N-8	PATCASELI.....	N-5	PATMD68LW5.....	N-17
PAT46CLWLSLI.....	N-8	PATCHGRLI.....	N-5	PATMD68LW5WCCJ.....	N-75
PAT46CLWLSLIPB.....	N-8	PATCHGRLLIDC.....	N-5	PATMD68LW5WCJ.....	N-74
PAT46LWL5.....	N-9	PATCUT129L5.....	N-70		N-16, N-17,
PAT46LWL5PB.....	N-9	PATCUT129L5PB.....	N-70		N-72, N-73,
PAT46LWLI.....	N-9	PATCUT129LI.....	N-70		N-74, N-75,
PAT46LWLIPB.....	N-9	PATCUT129LIPB.....	N-70	PATMD68LWJAW.....	N-76, N-78
PAT46LWLSL5.....	N-8	PATCUT1500L5.....	N-79	PATMD68LWCCJ.....	N-75
PAT46LWLSL5PB.....	N-8	PATCUT1500L5PB.....	N-79	PATMD68LWWCJ.....	N-74
PAT46LWLSLI.....	N-8	PATCUT1500LI.....	N-79	PATMD6LW.....	N-17
PAT46LWLSLIPB.....	N-8	PATCUT1500LIPB.....	N-79	PATMD6LW5.....	N-17
PAT4PC834L5.....	N-14	PATCUT2156L5.....	N-69	PATMD6LW5WCCJ.....	N-75
PAT4PC834L5PB.....	N-14	PATCUT2156L5PB.....	N-69	PATMD6LW5WCJ.....	N-74
PAT4PC834LI.....	N-14	PATCUT2156LI.....	N-69		N-16, N-17,
PAT4PC834LIPB.....	N-14	PATCUT2156LIPB.....	N-69		N-72, N-73,
PAT500SJ66L5.....	N-16	PATCUT245L5.....	N-71		N-74, N-75,

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

PATMD6LWJAW.....	N-76, N-78	PENHT8.....	F-5	PT11018.....	N-98
PATMD6LWJWCVR.....	N-16, N-72	PENHT8BLB.....	F-5	PT208620.....	N-5
PATMD6LWWCCJ.....	N-75	PENHTGAL.....	F-5	PT212851.....	N-23
PATMD6LWWCJ.....	N-74	PG1025X03D.....	B-69	PT290741.....	N-98
PATMD70003A1.....	N-17	PG1211.....	N-42	PT29091.....	N-98
PATMD70005A1.....	N-17	PG1251.....	N-42	PT292141.....	N-98
PATMD80003A1.....	N-17	PG1331.....	N-42	PT292792.....	N-19
PATMD80005A1.....	N-17	PG1425X03D.....	B-69	PT292792.....	N-102
PATMDCUT82ALLIF.....	N-78	PG1825X03D.....	B-69	PT29360.....	N-101
PATMDCUTACSRKIT.....	N-73, N-74	PG3951.....	N-38	PT294021.....	N-28, N-101
PATMDCUTCLW.....	N-73	PG3961.....	N-38	PT29413.....	N-29
PATMDCUTCLW5.....	N-73	PG3971.....	N-38	PT2972.....	N-19, N-101
	N-16, N-17,	PG3981.....	N-38	PT2990010.....	N-96
	N-72, N-73,	PG4031R.....	N-40	PT2990015.....	N-96
PATMDCUTCLWJAW.....	N-75, N-78	PG4032R.....	N-40	PT2990025.....	N-96
PATMDCUTCJALKIT.....	N-73, N-75	PG4061.....	N-40	PT2990110.....	N-96
	N-16, N-17,	PG4071.....	N-40	PT2990115.....	N-96
	N-72, N-73,	PG4081.....	N-40	PT2990125.....	N-96
PATMDCUTGLWJAW.....	N-76, N-78	PG4091.....	N-44	PT2990210.....	N-96
PATMDCUTGUYKIT.....	N-73, N-76	PG4092.....	N-44	PT30250.....	N-34
PATMDCUTLW.....	N-73	PG4093.....	N-44	PT4583.....	N-49, N-50
PATMDCUTLW5.....	N-73	PG4094.....	N-44	PT4925.....	N-53, N-99
	N-16, N-17,	PG4095.....	N-44	PT49311.....	N-99
	N-72, N-73,	PG4096.....	N-44	PT49521.....	N-53, N-99
PATMDCUTLWJAW.....	N-74, N-78	PGHS1425X03D.....	B-69	PT50024605.....	N-54
	N-16, N-17,	PGHS1825X03D.....	B-69	PT50024683.....	N-54
	N-72, N-73,	PGN1025X03B.....	B-70	PT50024685.....	N-54
PATMDXPJLWJAW.....	N-72, N-73	PGN1025X03D.....	B-70	PT6515.....	N-27
PATPROBAG.....	N-5	PGN1425X03B.....	B-70	PT6545.....	N-27, N-101
PENA1/2.....	F-5	PGN1425X03D.....	B-70	PT6733.....	N-99
PENA134.....	F-5	PGN1825X03B.....	B-70	PT6744.....	N-99
PENA1355GAL.....	F-5	PGN1825X03D.....	B-70	PT76.....	N-97
PENA135GAL.....	F-5	PGP1025X03B.....	B-70	PT8504.....	N-49
PENA138.....	F-5	PGP1025X03D.....	B-70	PT91.....	N-97
PENA138BLB.....	F-5	PGP1425X03B.....	B-70	PT93.....	N-98
PENA13CARTRIDGE.....	F-5	PGP1425X03D.....	B-70	PT94.....	N-98
PENA13GAL.....	F-5	PGP1825X03B.....	B-70	PT9711.....	N-91
PENA13QT.....	F-5	PGP1825X03D.....	B-70	PTV10.....	B-73
PENA4.....	F-5	PT10024162.....	N-18, N-80	PTV14.....	B-73
PENA55GAL.....	F-5		N-70, N-80,	PTV18.....	B-73
PENA5GAL.....	F-5	PT10037384.....	N-83	PU998.....	N-64
PENA8BLB.....	F-5		N-70, N-80,	PUADP1.....	N-5
PENA8BLB.....	F-5		N-83	Q10F11X02D.....	B-63
PENACARTRIDGE.....	F-5	PT10037388.....	N-83	Q10F18X02D.....	B-63
PENAGAL.....	F-5	PT10038657.....	N-71, N-84	Q10F25X03B.....	B-63
PENAQT.....	F-5	PT10040663.....	N-71, N-84	Q10F25X03D.....	B-63
PENE4.....	F-5	PT10043890.....	N-83	Q10M25X03D.....	B-63
PENE55GAL.....	F-5	PT10050733.....	N-21, N-22	Q14F11X02B.....	B-63
PENE5GAL.....	F-5		N-25, N-26,	Q14F11X02D.....	B-63
PENE8.....	F-5		N-28, N-30,	Q14F18X02B.....	B-63
PENE8BLB.....	F-5		N-31, N-32,	Q14F18X02D.....	B-63
PENEGAL.....	F-5		N-82, N-84	Q14F18X02D.....	B-63
PENEQT.....	F-5	PT10054094.....	N-82, N-84	Q14F25X03B.....	B-63
PENHT1LB.....	F-5	PT10074020.....	N-5	Q14F25X03D.....	B-63
PENHT4.....	F-5	PT10128.....	N-101		

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

Q14M18X02B.....	B-63	QA40B.....	A-15	QGFL44B1.....	L-46
Q14M18X02D.....	B-63	QA442N.....	A-15		A-10, E-60,
Q14M25X03B.....	B-63	QA444N.....	A-15	QGFL44B1T6.....	L-46
Q14M25X03D.....	B-63	QA44B.....	A-15	QGFL44G3.....	L-46
Q18F11X02D.....	B-63	QA462N.....	A-15		A-10, E-60,
Q18F18X02B.....	B-63	QA46B.....	A-15	QGFL46B1.....	L-46
Q18F18X02D.....	B-63	QA4C2B.....	A-15		A-10, E-60,
Q18F25X03B.....	B-63	QA4CB.....	A-15	QGFL46B1T6.....	L-46
Q18F25X03D.....	B-63	QA8C2B.....	A-15		A-10, E-60,
Q18M11X02D.....	B-63	QA8CB.....	A-15	QGFL48B1.....	L-46
Q18M18X02B.....	B-63	QB1C.....	A-17	QIKSTIK.....	E-104
Q18M18X02D.....	B-63	QB26.....	A-17	QN10F18X02B.....	B-65
Q18M25X03B.....	B-63	QB28.....	A-17	QN10F18X02D.....	B-65
Q18M25X03D.....	B-63	QB312N.....	A-17	QN10F25X03B.....	B-65
Q2A1C2.....	A-16	QB4C.....	A-17	QN10F25X03D.....	B-65
Q2A262N.....	A-16	QB8C.....	A-17	QN10M25X03D.....	B-65
Q2A282N.....	A-16	QDA1C.....	A-18	QN14F11X02B.....	B-65
Q2A284N.....	A-16	QDA26.....	A-18	QN14F11X02D.....	B-65
Q2A312N.....	A-16	QDA28.....	A-18	QN14F18X02B.....	B-65
Q2A314N.....	A-16	QDA31.....	A-18	QN14F18X02D.....	B-65
Q2A342N.....	A-16	QDA34.....	A-18	QN14F25X03B.....	B-65
Q2A344N.....	A-16	QDA40.....	A-18	QN14F25X03D.....	B-65
Q2A402N.....	A-16	QDA4C.....	A-18	QN14M18X02B.....	B-65
Q2A404N.....	A-16	QDA8C.....	A-18	QN14M18X02D.....	B-65
Q2A444N.....	A-16		A-10, E-60,	QN14M25X03B.....	B-65
Q2A464N.....	A-16	QGFL1CB1.....	L-46	QN14M25X03D.....	B-65
Q2B282N.....	A-17		A-10, E-60,	QN18F11X02B.....	B-65
Q2B312N.....	A-17	QGFL1CB1T6.....	L-46	QN18F11X02D.....	B-65
Q2B404N.....	A-17		A-10, E-60,	QN18F18X02B.....	B-65
Q3A282N.....	A-16	QGFL26B1.....	L-46	QN18F18X02D.....	B-65
Q3A284N.....	A-16		A-10, E-60,	QN18F25X03B.....	B-65
Q3A312N.....	A-16	QGFL26B1T6.....	L-46	QN18F25X03D.....	B-65
Q3A314N.....	A-16		A-10, E-60,	QN18M18X02B.....	B-65
Q3A342N.....	A-16	QGFL26B2.....	L-46	QN18M18X02D.....	B-65
Q3A344N.....	A-16		A-10, E-60,	QN18M25X03B.....	B-65
Q3A404N.....	A-16	QGFL26B2T6.....	L-46	QN18M25X03D.....	B-65
Q3A444N.....	A-16		A-10, E-60,	QP10F18X02B.....	B-64
Q3A464N.....	A-16	QGFL29B1.....	L-46	QP10F18X02D.....	B-64
QA1C2B.....	A-15		A-10, E-60,	QP10F25X03B.....	B-64
QA1CB.....	A-15	QGFL29B1T6.....	L-46	QP10F25X03D.....	B-64
QA262B.....	A-15		A-10, E-60,	QP10F38X05D.....	B-64
QA26B.....	A-15	QGFL31B1.....	L-46	QP10M25X03D.....	B-64
QA282B.....	A-15		A-10, E-60,	QP14F11X02D.....	B-64
QA282N.....	A-15	QGFL31B1T6.....	L-46	QP14F18X02B.....	B-64
QA28B.....	A-15		A-10, E-60,	QP14F18X02D.....	B-64
QA312B.....	A-15	QGFL34B1.....	L-46	QP14F25X03B.....	B-64
QA312N.....	A-15		A-10, E-60,	QP14F25X03D.....	B-64
QA31B.....	A-15	QGFL34B1T6.....	L-46	QP14M11X02D.....	B-64
QA342B.....	A-15		A-10, E-60,	QP14M18X02B.....	B-64
QA342N.....	A-15	QGFL39B1.....	L-46	QP14M18X02D.....	B-64
QA344B.....	A-15		A-10, E-60,	QP14M25X03B.....	B-64
QA34B.....	A-15	QGFL39B1T6.....	L-46	QP14M25X03D.....	B-64
QA402N.....	A-15		A-10, E-60,	QP18F11X02D.....	B-64

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

QP18F18X02B.....	B-64	RCC556.....	N-88	S2GBP445A12.....	I-26
QP18F18X02D.....	B-64	RCC600E.....	N-87	S2GBP44A.....	I-26
QP18F25X03B.....	B-64	RCC750HD.....	N-87	S2GBP44A12.....	I-26
QP18F25X03D.....	B-64	RCC954ACSR1K.....	N-88	S2GBP451ASG1HT.....	I-30
QP18M11X02D.....	B-64	RDM428.....	K-49	S2GBP451ASG4.....	I-30
QP18M18X02B.....	B-64	RDM628.....	K-49	S2GBP45A.....	I-26
QP18M18X02D.....	B-64	RDM828.....	K-49	S2GBP45A12.....	I-26
QP18M25X03B.....	B-64	RDMD42858D.....	K-49	S2GBP463ASG1HT.....	I-30
QP18M25X03D.....	B-64	RGC39G1.....	E-63	S2GBP463ASG6.....	I-30
QPX2828.....	A-8, H-14	RGC44G1.....	E-63	S2GBP46A.....	I-27
QPX2828Y.....	A-9	RHCC129ACSR.....	N-83	S2GBP46A12.....	I-27
QPX282C.....	A-8, H-14	RHCC2156ACSR.....	N-82	S2GBP47ASG1.....	I-30
QPX282CY.....	A-9	RHCC2156ACSRF.....	N-82	S2GBP47ASG2HT.....	I-30
QPX2C2C.....	A-8, H-14	RHCC245CUAL.....	N-84	S2GBP483A.....	I-27
QPX2C2CY.....	A-9	RHCC4CUAL.....	N-81	S2GBP483A12.....	I-27
QPX3428.....	A-8, H-14	RHCC4CUALBLD.....	N-81	S2GBP486A.....	I-27
QPX3428Y.....	A-9	RHCC4CUALGDEBLD.....	N-81	S2GBP486A12.....	I-27
QPX342C.....	A-8, H-14	RK1412.....	B-84	S2GBP48A.....	I-27
QPX342CY.....	A-9	RK1422.....	B-84	S2GBP48A12.....	I-27
QPX3434.....	A-8, H-14	RK1942.....	F-14, N-103	S2GBP48ASG1HT.....	I-30
QPX3434Y.....	A-9	RPC701302.....	N-87	S2GBP48ASG2.....	I-30
QPX4428.....	A-8, H-14	RPC701402.....	N-87	S2GBP51ASG1.....	I-30
QPX442C.....	A-8, H-14	RPC705501.....	N-88	S2GBP51ASG2HT.....	I-30
QPX4434.....	A-8, H-14	RPC705601.....	N-88	S2GBP521ASG1.....	I-30
QPX4444.....	A-8, H-14	RPC902201.....	N-88	S2GBP521ASG2HT.....	I-30
QPX4444Y.....	A-9	RWRC516.....	N-89	S2GBP52ASG1.....	I-30
QQA1C.....	A-15	RWRC916.....	N-89	S2GBP52ASG2HT.....	I-30
QQA1C2.....	A-15	RYA25UC.....	K-50	S2GBP54ASG1.....	I-30
QQA26.....	A-15	RYA25UCR.....	K-50	S2GBP54ASG2HT.....	I-30
QQA262.....	A-15	RYA26UC.....	K-50	S2GBPA41A.....	I-26
QQA28.....	A-15	RYA26UCR.....	K-50	S2GBPA41A12.....	I-26
QQA282N.....	A-15	RYA27UC.....	K-50	S2GBPA445A.....	I-26
QQA31.....	A-15	RYA27UCR.....	K-50	S2GBPA445A12.....	I-26
QQA312N.....	A-15	RYA28UC.....	K-50	S2GBPA44A.....	I-26
QQA34.....	A-15	RYA28UCR.....	K-50	S2GBPA44A12.....	I-26
QQA342N.....	A-15	RYA29UC.....	K-50	S2GBPA45A.....	I-26
QQA402N.....	A-15	RYA29UCR.....	K-50	S2GBPA45A12.....	I-26
QQA404N.....	A-15	RYA2UC.....	K-50	S2GBPA46A.....	I-27
QQA442N.....	A-15	RYA2UCR.....	K-50	S2GBPA46A12.....	I-27
QQA444N.....	A-15	RYA2WAC.....	K-50	S2GBPA483A.....	I-27
QQA4C2.....	A-15	RYA2WACR.....	K-50	S2GBPA483A12.....	I-27
QQA8C.....	A-15	RYA31AC.....	K-50	S2GBPA486A.....	I-27
QR1C.....	A-18	RYA31ACR.....	K-50	S2GBPA486A12.....	I-27
QR26.....	A-18	RYA4UC.....	K-50	S2GBPA48A.....	I-27
QR28.....	A-18	RYA4UCR.....	K-50	S2GBPA48A12.....	I-27
QR31.....	A-18	RYA75AC.....	K-50	S2GGBP445A12.....	L-45
QR34.....	A-18	RYA75ACR.....	K-50	S2GGBP486A.....	L-45
QR40.....	A-18	RYAC25.....	K-50, K-51	S2GGBP486A9.....	L-45
QR4C.....	A-18	RYAC31.....	K-50, K-51	S2GGBP48A.....	L-45
RA6UCRSL.....	K-49	RYAC311.....	K-51	S2GGBP48A12.....	L-45
RA6UCSL.....	K-49	S2GBP41A.....	I-26	S3D451R25MX1.....	I-29
RCC1000.....	N-87	S2GBP41A12.....	I-26	S3D451RMX1.....	I-29
RCC336.....	N-88	S2GBP445A.....	I-26	S3D48R25MX1.....	I-29

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

S3D48RMX1.....	I-29	SH2GBP48A5.....	I-27	SWA486A44N.....	M-8
S3D55R25MX1.....	I-29	SH2GBP48A512.....	I-27	SWA486A44N.....	M-8
S3D55RMX1.....	I-29	SN10.....	B-54	SWA486A66N.....	M-8
S3D56RMX1.....	I-29	SN10B.....	B-55	SWA48A44N.....	M-8
S3D59R25MX1.....	I-29	SN14.....	B-54	SWA493R4N.....	M-8
S3GBP41A.....	I-28	SN14B.....	B-55	SWA54R44N.....	M-8
S3GBP445A.....	I-28	SN18.....	B-54	SWA58A2N.....	M-10
S3GBP44A.....	I-28	SN18B.....	B-55	SWA58A34N.....	M-10
S3GBP45A.....	I-28	SN2A445A4N.....	L-22	SWA58A44N.....	M-10
S3GBP46A.....	I-28	SN2A44A44N.....	L-22	SWA58R44N.....	M-8
S3GBP483A.....	I-28	SN2A44A4N.....	L-22	SWA59A2N.....	M-10
S3GBP486A.....	I-28	SN2A45A44N.....	L-22	SWA59A34N.....	M-10
S3GBP48A.....	I-28	SN2A45A4N.....	L-22	SWA59A44N.....	M-10
S4D451RMX1.....	I-29	SN2A48A44N.....	L-22	SWA86A44N.....	M-10
S4D48RMX1.....	I-29	SN2A48A4NGS.....	L-22	SWA90A2N.....	M-10
S4D55RMX1.....	I-29	SP10.....	B-53	SWA90A34N.....	M-10
SB232TC14.....	E-58	SP14.....	B-53	SWA90A44N.....	M-10
SB232TC38.....	E-58	SP16.....	B-53	SWA91A34N.....	M-10
SB23U.....	E-58	STKIT08.....	B-81	SWA91A44N.....	M-10
SB252TC14.....	E-58	STKIT15.....	B-81	SWA92A44N.....	M-10
SB252TC38.....	E-58	STKIT1601Y1022.....	B-82	SWA93A44N.....	M-10
SB25U.....	E-58	STKIT1602MRE1022NV.....	B-82	SWA94A34N.....	M-10
SC2.....	A-3, H-5		I-25, L-24,	SWA94A44N.....	M-10
SC2/0.....	A-3, H-5	STS44A4NCG2.....	M-25	SWA96A44N.....	M-10
SC4.....	A-3, H-5		I-25, L-24,	SWAB19A2N.....	M-15
SCB19A.....	M-26	STS44ACG10.....	M-25	SWAB19A34N.....	M-15
SCB20A.....	M-26		I-25, L-24,	SWAB22A2N.....	M-15
SCB21A.....	M-26	STS46A6NCG1.....	M-25	SWAB22A34N.....	M-15
SCB22A.....	M-26	SW2A444A44N.....	M-9	SWAB22A44N.....	M-15
SCB24A.....	M-26	SW2A444A44N90.....	M-9	SWAB86A2N.....	M-15
SCB86A.....	M-26	SW2A44R44N90STS.....	M-9	SWAB86A34N.....	M-15
SFD67D12.....	L-43	SW2A486A44N.....	M-9	SWAB86A44N.....	M-15
SFD68AD16.....	L-43	SW2A486A44N90.....	M-9	SWAC18A2N.....	M-11
SFD69AD16.....	L-43	SW2A486A66N90.....	M-9	SWAC18A34N.....	M-11
SFD70AD16.....	L-43	SW2A48A44N.....	M-9	SWAC18A44N.....	M-11
SFD71AD16.....	L-43	SW2A58R44N.....	M-9	SWAC19A2N.....	M-11
SFD71AD20.....	L-43	SWA18A2N.....	M-10	SWAC19A34N.....	M-11
SFD72AD18.....	L-43	SWA18A34N.....	M-10	SWAC19A44N.....	M-11
SFD72AD20.....	L-43	SWA18A44N.....	M-10	SWAC20A2N.....	M-11
SH2GBP41A5.....	I-26	SWA19A2N.....	M-10	SWAC20A34N.....	M-11
SH2GBP41A512.....	I-26	SWA19A34N.....	M-10	SWAC20A44N.....	M-11
SH2GBP445A5.....	I-26	SWA19A44N.....	M-10	SWAC21A34N.....	M-11
SH2GBP445A512.....	I-26	SWA20A2N.....	M-10	SWAC21A44N.....	M-11
SH2GBP44A5.....	I-26	SWA20A34N.....	M-10	SWAC22A34N.....	M-11
SH2GBP44A512.....	I-26	SWA20A44N.....	M-10	SWAC22A44N.....	M-11
SH2GBP45A5.....	I-26	SWA21A34N.....	M-10	SWAC23A34N.....	M-11
SH2GBP45A512.....	I-26	SWA21A44N.....	M-10	SWAC24A34N.....	M-11
SH2GBP46A5.....	I-27	SWA22A44N.....	M-10	SWAC24A44N.....	M-11
SH2GBP46A512.....	I-27	SWA23A44N.....	M-10	SWAC58A2N.....	M-11
SH2GBP483A5.....	I-27	SWA24A34N.....	M-10	SWAC58A34N.....	M-11
SH2GBP483A512.....	I-27	SWA24A44N.....	M-10	SWAC58A44N.....	M-11
SH2GBP486A5.....	I-27	SWA444A44N.....	M-8	SWAC59A2N.....	M-11
SH2GBP486A512.....	I-27	SWA44R44N.....	M-8	SWAC59A34N.....	M-11

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

SWAC59A44N.....	M-11	SWL21A.....	M-24	SWT24A20A.....	M-17
SWAC86A44N.....	M-11	SWL22A.....	M-24	SWT24A20A75.....	M-18
SWAC90A2N.....	M-11	SWL24A.....	M-24	SWT24A21A.....	M-17
SWAC90A34N.....	M-11	SWL58A.....	M-24	SWT24A22A.....	M-17
SWAC90A44N.....	M-11	SWL59A.....	M-24	SWT24A24A.....	M-17
SWAC91A34N.....	M-11	SWL86A.....	M-24	SWT86A20A.....	M-17
SWAC91A44N.....	M-11	SWL90A.....	M-24	SWT86A20A75.....	M-18
SWAC92A34N.....	M-11	SWL91A.....	M-24	SWT86A21A.....	M-17
SWAC92A44N.....	M-11	SWL92A.....	M-24	SWT86A21A75.....	M-18
SWAC93A34N.....	M-11	SWL93A.....	M-24	SWT86A22A.....	M-17
SWAC94A34N.....	M-11	SWL96A.....	M-24	SWT86A22A75.....	M-18
SWAC94A44N.....	M-11	SWOH18A3.....	M-20	SWT86A24A.....	M-17
SWAC96A44N.....	M-11	SWOH18A5.....	M-20	SWT86A86A.....	M-17
SWAT18A16A30.....	M-19	SWOH19A3.....	M-20	SWVH19A5.....	M-22
SWAT18A17A30.....	M-19	SWOH19A5.....	M-20	SWVH19A7.....	M-22
SWAT18A18A30.....	M-19	SWOH20A3.....	M-20	SWVH20A5.....	M-22
SWAT19A16A30.....	M-19	SWOH20A5.....	M-20	SWVH20A7.....	M-22
SWAT19A17A30.....	M-19	SWOH21A5.....	M-20	SWVH22A5.....	M-22
SWAT19A18A30.....	M-19	SWOH22A3.....	M-20	SWVH22A7.....	M-22
SWAT20A17A30.....	M-19	SWOH22A5.....	M-20	SWVH24A5.....	M-22
SWAT20A18A30.....	M-19	SWOH24A5.....	M-20	SWVH86A5.....	M-22
SWAT20A19A30.....	M-19	SWOH86A5.....	M-20	SWVH86A7.....	M-22
SWAT21A16A30.....	M-19	SWT17A17A.....	M-16	SWXA20A44N.....	M-12
SWAT21A17A30.....	M-19	SWT18A16A75.....	M-18	SWXA22A44N.....	M-12
SWAT21A18A30.....	M-19	SWT18A17A75.....	M-18	SWXA24A44N.....	M-12
SWAT21A19A30.....	M-19	SWT19A16A75.....	M-18	SWXA86A44N.....	M-12
SWAT21A20A30.....	M-19	SWT19A17A75.....	M-18	SWXA92A44N.....	M-12
SWAT22A18A30.....	M-19	SWT19A18A75.....	M-18	SWXA94A44N.....	M-12
SWAT22A19A30.....	M-19	SWT19A19A.....	M-16	SWXHP19A5.....	M-23
SWAT22A20A30.....	M-19	SWT20A17A75.....	M-18	SWXHP20A5.....	M-23
SWAT24A18A30.....	M-19	SWT20A18A75.....	M-18	SWXHP21A5.....	M-23
SWAT24A19A30.....	M-19	SWT20A19A75.....	M-18	SWXHP22A5.....	M-23
SWAT24A20A30.....	M-19	SWT21A14A.....	M-16	SWXHP24A5.....	M-23
SWAT86A20A30.....	M-19	SWT21A15A.....	M-16	SWXHP59A5.....	M-23
SWAT86A21A30.....	M-19	SWT21A16A.....	M-16	SWXHP86A5.....	M-23
SWAT86A22A30.....	M-19	SWT21A16A75.....	M-18	SWXHP90A5.....	M-23
SWHRH18A3CH.....	M-21	SWT21A17A.....	M-17	SWXHP91A5.....	M-23
SWHRH18A5CH.....	M-21	SWT21A17A75.....	M-18	SWXHP92A5.....	M-23
SWHRH19A3CH.....	M-21	SWT21A18A.....	M-17	SWXHP94A5.....	M-23
SWHRH19A5CH.....	M-21	SWT21A18A75.....	M-18	SWXHP96A5.....	M-23
SWHRH20A3CH.....	M-21	SWT21A19A.....	M-17	SWXP20A20A.....	M-14
SWHRH20A5CH.....	M-21	SWT21A19A75.....	M-18	SWXP22A22A.....	M-14
SWHRH21A3CH.....	M-21	SWT21A20A.....	M-17	SWXP24A24A.....	M-14
SWHRH21A5CH.....	M-21	SWT22A18A.....	M-17	SWXP86A86A.....	M-14
SWHRH22A3CH.....	M-21	SWT22A18A75.....	M-18	SWXP90A90A.....	M-14
SWHRH22A5CH.....	M-21	SWT22A19A.....	M-17	SWXP92A92A.....	M-14
SWHRH24A3CH.....	M-21	SWT22A19A75.....	M-18	SWXP94A94A.....	M-14
SWHRH24A5CH.....	M-21	SWT22A20A.....	M-17	SWXP96A96A.....	M-14
SWHRH86A3CH.....	M-21	SWT22A20A75.....	M-18	T1010.....	B-5
SWHRH86A5CH.....	M-21	SWT22A21A.....	M-17	T1010F.....	B-31
SWL18A.....	M-24	SWT22A22A.....	M-17	T1010LF.....	B-37
SWL19A.....	M-24	SWT24A18A75.....	M-18	T1012.....	B-5
SWL20A.....	M-24	SWT24A19A75.....	M-18	T1014.....	B-5

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

T1014F.....	B-31	TMH267.....	F-12	TN146LF.....	B-39
T1016.....	B-5	TMH267SS.....	F-12	TN148.....	B-9
T1038.....	B-5	TMH268.....	F-12	TN148BF.....	B-43
T106.....	B-5	TMH268SS.....	F-12	TN148F.....	B-34
T106F.....	B-31	TMH269.....	F-12	TN148LF.....	B-39
T106LF.....	B-37	TMH269SS.....	F-12	TN1810.....	B-9
T108.....	B-5	TMH270.....	F-12	TN1810BF.....	B-43
T108F.....	B-31	TMH270SS.....	F-12	TN1810F.....	B-34
T108LF.....	B-37	TMH271.....	F-12	TN1810LF.....	B-39
T1410.....	B-5	TMH271SS.....	F-12	TN1814.....	B-9
T1410F.....	B-31	TMH272.....	F-12	TN1814F.....	B-34
T1410LF.....	B-37	TMH272SS.....	F-12	TN1838.....	B-9
T1414.....	B-5	TMH289.....	F-12	TN184.....	B-9
T1414F.....	B-31	TMH294.....	F-12	TN184F.....	B-34
T1438.....	B-5	TMH294SS.....	F-12	TN18516.....	B-9
T144.....	B-5	TMH295.....	F-12	TN186.....	B-9
T14516.....	B-5	TMH295SS.....	F-12	TN186BF.....	B-43
T146.....	B-5	TMH322SS.....	F-12	TN186F.....	B-34
T146F.....	B-31	TMH332.....	F-12	TN186G1.....	B-9
T146LF.....	B-37	TMH69.....	F-12	TN186LF.....	B-39
T148.....	B-5	TMH69SS.....	F-12	TN188.....	B-9
T148F.....	B-31	TMHG42.....	E-22	TN188BF.....	B-43
T148LF.....	B-37	TMHG92.....	E-22	TN188F.....	B-34
T1610LF.....	B-37	TN1010.....	B-9	TN188LF.....	B-39
T166LF.....	B-37	TN1010BF.....	B-43	TN202F.....	B-34
T168LF.....	B-37	TN1010F.....	B-34	TN206F.....	B-34
T1810.....	B-5	TN1010LF.....	B-39	TOOLBAGMDLI.....	N-5
T1810F.....	B-31	TN1012.....	B-9	TP1010.....	B-8
T1814.....	B-5	TN1014.....	B-9	TP1010BF.....	B-42
T1814F.....	B-31	TN1014F.....	B-34	TP1010F.....	B-33
T1838.....	B-5	TN1038.....	B-9	TP1010LF.....	B-38
T184.....	B-5	TN10516.....	B-9	TP1010Z.....	B-47
T18516.....	B-5	TN106.....	B-9	TP1012.....	B-8
T186.....	B-5	TN106BF.....	B-43	TP1014.....	B-8
T186F.....	B-31	TN106F.....	B-34	TP1038.....	B-8
T188.....	B-5	TN106LF.....	B-39	TP10516.....	B-8
T188F.....	B-31	TN108.....	B-9	TP106.....	B-8
TFV3B12V2.....	G-21	TN108BF.....	B-43	TP106BF.....	B-42
TFV3B18V2.....	G-21	TN108F.....	B-34	TP106F.....	B-33
TFV3B6V2.....	G-21	TN108LF.....	B-39	TP106LF.....	B-38
TFV3BLU12.....	G-21	TN1410.....	B-9	TP106Z.....	B-47
TFV3BLU18.....	G-21	TN1410BF.....	B-43	TP108.....	B-8
TMH261.....	F-12	TN1410F.....	B-34	TP108BF.....	B-42
TMH261SS.....	F-12	TN1410LF.....	B-39	TP108F.....	B-33
TMH262.....	F-12	TN1414.....	B-9	TP108LF.....	B-38
TMH262SS.....	F-12	TN1414F.....	B-34	TP108Z.....	B-47
TMH263.....	F-12	TN1438.....	B-9	TP1410.....	B-8
TMH263SS.....	F-12	TN144.....	B-9	TP1410BF.....	B-42
TMH264.....	F-12	TN14516.....	B-9	TP1410F.....	B-33
TMH264SS.....	F-12	TN146.....	B-9	TP1410LF.....	B-38
TMH265.....	F-12	TN146BF.....	B-43	TP1410Z.....	B-47
TMH265SS.....	F-12	TN146F.....	B-34	TP1414.....	B-8
TMH266.....	F-12	TN146G1.....	B-9	TP142F.....	B-33

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

TP142Z.....	B-47	U28ART.....	N-63, N-64	UC6W25CONKIT.....	H-19
TP1438.....	B-8	U28RT.....	N-63, N-64	UC8W26L.....	H-10
TP144.....	B-8	U28RTW.....	N-63, N-64	UCCOVER1BOX25.....	H-19
TP14516.....	B-8	U29ART.....	N-63, N-64	UCG25R.....	H-16
TP146.....	B-8	U29RT.....	N-63, N-64	UCG25R2R.....	H-16
TP146BF.....	B-42		E-6, E-7, E-8,	UCG25R2RS.....	H-16
TP146F.....	B-33		E-10, E-11,	UCG25RS.....	H-16
TP146LF.....	B-38		E-14, N-63,	UCG28R.....	H-16
TP146Z.....	B-47	U2CABT.....	N-64	UCG28RS.....	H-16
TP148.....	B-8	U2CRT.....	N-63, N-64	UCG32R.....	H-16
TP148BF.....	B-42	U2CRTW.....	N-63, N-64	UCG32RS.....	H-16
TP148F.....	B-33	U30ART.....	N-63, N-64	UCK1UL.....	H-10
TP148LF.....	B-38	U30RT.....	N-63, N-64	UCK2UL.....	H-10
TP148Z.....	B-47	U31ART.....	N-63, N-64	UCK3UL.....	H-10
TP1610.....	B-8	U31RT.....	N-63, N-64	UCT26.....	H-18
TP1610BF.....	B-42	U32ART.....	N-63, N-64	UCT26RS.....	H-17
TP1610F.....	B-33	U32RT.....	N-63, N-64	UCT32.....	H-18
TP1610LF.....	B-38	U34ART.....	N-63, N-64	UCT32RS.....	H-17
TP1610Z.....	B-47	U34RT.....	N-63, N-64	UCT41R28RS.....	H-17
TP1614.....	B-8	U36ART.....	N-63, N-64	UCT41R41RS.....	H-17
TP162F.....	B-33	U36RT.....	N-63, N-64	UCTCOVER.....	H-19
TP162Z.....	B-47	U38XRT.....	N-63	UCU28AC.....	A-31
TP1638.....	B-8	U39ART2.....	N-63, N-64	UDIEKITAL.....	N-64
TP164.....	B-8	U39RT.....	N-63, N-64	UDIEKITCU.....	N-64
TP16516.....	B-8	U3CRT.....	N-63	UDIEKITCUW.....	N-64
TP166.....	B-8	U3CRTW.....	N-63	UDIEKITHYGRD.....	N-64
TP166BF.....	B-42	U44XRT.....	N-63	UGS350ULDB.....	A-33
TP166F.....	B-33	U4CABT.....	N-63, N-64	UGSKIT2.....	A-32
TP166LF.....	B-38	U4CRT.....	N-63, N-64	UGSKIT250.....	A-32
TP166Z.....	B-47	U4CRTW.....	N-63, N-64	UGSKIT8.....	A-33
TP168.....	B-8	U5CRT.....	N-63, N-64	UH143.....	L-35
TP168BF.....	B-42	U5CRTW.....	N-63, N-64	UH153.....	L-35
TP168F.....	B-33	U6CABT.....	N-63, N-64	UH155.....	L-35
TP168LF.....	B-38	U8CABT.....	N-63	UH163.....	L-35
TP168Z.....	B-47	U8CRT.....	N-63	UH165.....	L-35
TTV10.....	B-72	U8CRTW.....	N-63, N-64	UH173.....	L-35
TTV14.....	B-72	U997.....	N-64	UH175.....	L-35
TTV18.....	B-72	UC.....	N-64	UH183.....	L-35
U1011.....	N-64	UC25R2R.....	H-16	UH185.....	L-35
U1104.....	N-64	UC25R2RS.....	H-16	UH193.....	L-35
U1105.....	N-64	UC2834.....	H-13	UH195.....	L-35
U1CART.....	N-63, N-64	UC28R.....	H-16	UH203.....	L-35
U1CRT1.....	N-63, N-64	UC28RS.....	H-16	UH205.....	L-35
U1CRT1W.....	N-63, N-64	UC2W28L.....	H-10	UH225.....	L-35
U25ART.....	N-63, N-64	UC2W30.....	H-13	UHG13A3CH.....	L-37
U25RT.....	N-63, N-64	UC3040.....	H-13	UHG14A3.....	L-37
U25RTW.....	N-63, N-64	UC32R.....	H-16	UHG14A3CH.....	L-37
U26ART.....	N-63, N-64	UC32RS.....	H-16	UHG15A3.....	L-37
U26RT.....	N-63, N-64	UC33R.....	H-16	UHG15A3CH.....	L-37
U26RTW.....	N-63, N-64	UC3444.....	H-13	UHG15A5.....	L-37
U27ART.....	N-63, N-64	UC4W28.....	H-13	UHG15A5CH.....	L-37
U27RT.....	N-63, N-64	UC4W28CONKIT.....	H-19	UHG16A3CH.....	L-37
U27RTW.....	N-63, N-64	UC6W25.....	H-13	UHG16A5CH.....	L-37

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

UHG17A3.....	L-37	UM33N.....	N-65	VT3025.....	H-15
UHG17A3CH.....	L-37	UM36N.....	N-65	VT3028.....	L-31
UHG17A5.....	L-37	UM4CN.....	N-65	VT3030.....	H-15
UHG17A5CH.....	L-37	UM6CN.....	N-65	VT3425.....	H-15
UHG18A3.....	L-37	UM8CN.....	N-65	VT3428.....	H-15
UHG18A3CH.....	L-37	UMA.....	N-65	VT3430.....	H-15
UHG18A5.....	L-37	UMB.....	N-65	VT3434.....	H-15
UHG18A5CH.....	L-37	UMC.....	N-65	VT4034.....	L-31
UHG19A3.....	L-37	UME.....	N-65	VT4040.....	H-15
UHG19A3CH.....	L-37	UO.....	N-64	VT4425.....	H-15
UHG19A5CH.....	L-37	UP34R.....	H-72	VT4428.....	H-15
UHG20A3CH.....	L-37	UP45R.....	H-72	VT4430.....	L-31
UHG20A5.....	L-37	UP45R36R.....	H-72	VT4434.....	L-31
UHG20A5CH.....	L-37		E-6, E-7, E-8,	VT4440.....	L-31
UHG20A7CH.....	L-37		E-10, E-11,	VT4444.....	L-31
UHG21A3.....	L-37	UPRECRIMP12.....	E-14	VT4628.....	L-31
UHG21A3CH.....	L-37		E-6, E-7, E-8,	VT4630.....	L-31
UHG21A5CH.....	L-37		E-10, E-11,	VT4640.....	L-31
UHG22A3CH.....	L-37	UPRECRIMP34.....	E-14	VT4830.....	L-31
UHG22A5.....	L-37		E-6, E-7, E-8,	VT4834.....	H-15
UHG22A5CH.....	L-37		E-10, E-11,	VT4840.....	L-31
UHG24A3.....	L-37	UPRECRIMP58.....	E-14	VT4844.....	L-31
UHG24A3CH.....	L-37	UW25R.....	H-12	VT4848.....	L-31
UHG24A5.....	L-37	UW2R.....	H-12	VV2A344N.....	L-17
UHG24A5CH.....	L-37	VA25.....	A-19	VV2A34CG1.....	L-17
UHG83A5.....	L-37	VA28.....	A-19	VV2A4044N.....	L-17
UHG86A5CH.....	L-37	VA282N.....	A-19	VV2A46CG1.....	L-17
UHKR11A3.....	L-38	VA2C.....	A-19	VV3A46CG1.....	L-18
UHKR11A5.....	L-38	VA30.....	A-19	VV3A46CG2.....	L-18
UHKR13A3.....	L-38	VA302N.....	A-19	VV3A46CG3.....	L-18
UHKR13A5.....	L-38	VA34.....	A-19	VV3D6846R12.....	L-42
UHKR14A3.....	L-38	VA342N.....	A-19	VV3D7046R12.....	L-42
UHKR14A5.....	L-38	VA344N.....	A-19	VV3D7246R12.....	L-42
UHKR16A3.....	L-38	VA40.....	A-19	VVA25.....	A-19, L-16
UHKR16A5.....	L-38	VA402N.....	A-19	VVA252.....	L-16
UHKR17A3.....	L-38	VA404N.....	A-19	VVA28.....	A-19, L-16
UHKR17A5.....	L-38	VG1.....	H-9	VVA282N.....	A-19, L-16
UHR133.....	L-35	VG2.....	H-9	VVA2C.....	A-19, L-16
UHR135.....	L-35	VG3.....	H-9	VVA30.....	A-19, L-16
UHR153.....	L-35	VG4.....	H-9	VVA302N.....	A-19, L-16
UHR153SS.....	L-35	VG5.....	H-9	VVA304N.....	L-16
UHR155.....	L-35	VP2828.....	H-12	VVA34.....	A-19, L-16
UHR173.....	L-35	VP3030.....	H-12	VVA342N.....	A-19, L-16
UHR175.....	L-35	VP3430.....	H-12	VVA344.....	L-16
UHR183.....	L-35	VP3434.....	H-12	VVA344N.....	A-19, L-16
UHR185.....	L-35	VP4030.....	H-12	VVA40.....	A-19, L-16
UM25N.....	N-65	VP4040.....	H-12	VVA402N.....	A-19, L-16
UM26N.....	N-65	VP4440.....	H-12	VVA404N.....	A-19, L-16
UM27N.....	N-65	VP4646.....	H-12	VVA404NCG1.....	L-16
UM28N.....	N-65	VT2525.....	H-15, L-31	VVA442N.....	L-16
UM2CN.....	N-65	VT2825.....	H-15, L-31	VVA444N.....	L-16
UM30N.....	N-65	VT2828.....	H-15, L-31	VVA462N.....	L-16
UM31N.....	N-65	VT2C2C.....	H-15, L-31	VVA464NCG2.....	L-16

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

VVA464NCG4	L-16	W8CRT	N-66, N-67	WCB10C2	J-9, J-10
VVA482N	L-16	W8CVT	N-66	WCB11	J-6
VYFT3428CCP	K-39	WABAG	J-15, N-106	WCB11PB	J-13
VYFT3428CCR	K-39	WAD1015	J-16	WCB12	J-6
VYFT3434CCP	K-39	WAD1029	J-16	WCB13	J-6
VYFT3434CCR	K-39	WAD1035	J-16	WCB14	J-6
VYFT3934CCP	K-39	WAD33615	J-16	WCB15	J-6
VYFT3934CCR	K-39	WAD33629	J-16	WCB16	J-6
VYFT4434CCP	K-39	WAD33635	J-16	WCB17	J-6
VYFT4434CCR	K-39	WAD4015	J-16	WCB18	J-6
W161	N-66, N-67	WAD4029	J-16	WCB19	J-6
W162	N-66, N-67	WAD4035	J-16	WCB20	J-6
W163	N-66, N-67	WAD47715	J-16	WCB20C2	J-9, J-10
W166	N-66, N-67	WAD47729	J-16	WCB20C20	J-9, J-10
W1CRT1	N-66, N-67	WAD47735	J-16	WCB21	J-6
W1CVT	N-66	WAD55615	J-16	WCB22	J-6
W239	N-66, N-67	WAD55629	J-16	WCB23	J-6
W241	N-66, N-67	WAD55635	J-16	WCB24	J-6
W245	N-66, N-67	WAD79515	J-16	WCB25	J-6
W249	N-66, N-67	WAD79529	J-16	WCB250C2	J-9, J-10
W25RT	N-66, N-67	WAD79535	J-16	WCB250C20	J-9, J-10
W25VT	N-66	WADM33615	J-17	WCB250C250	J-9, J-10
W26RT	N-66, N-67	WADM33629	J-17	WCB26	J-6
W26VT	N-66	WADM33635	J-17	WCB27	J-6
W27RT	N-66, N-67	WADM336CON	J-17	WCB28	J-6
W27VT	N-66	WADM55615	J-17	WCB2C2	J-9, J-10
W28K	N-5	WADM55629	J-17	WCB30C2	J-9, J-10
W28RT	N-66, N-67	WADM55635	J-17	WCB40	J-6
W28VT	N-66	WADM556CON	J-17	WCB40C2	J-9, J-10
W29RT	N-66, N-67	WADM79515	J-17	WCB40C20	J-9, J-10
W29VT	N-66	WADM79529	J-17	WCB40C40	J-9, J-10
W2CRT	N-66, N-67	WADM79535	J-17	WCB41	J-6
W2CVT	N-66	WADM795CON	J-17	WCB42	J-6
W30RT	N-66	WADRT1	J-16	WCB43	J-6
W30VT	N-66	WADRT2	J-16	WCB44	J-6
W31ART	N-66, N-67	WADRT3	J-16	WCB45	J-6
W31RT	N-66, N-67	WBG	N-51, N-52, N-100	WCB46	J-6
W31VT	N-66	WBS10V	E-139, G-28	WCB47	J-6
W32RT	N-66	WBS12V	E-139, G-28	WCB4C4	J-9, J-10
W32VT	N-66	WBS14V	E-139, G-28	WCBB30R4N	J-13
W33RT	N-66	WBS20V	E-139, G-28	WCBY39R4N	J-13
W33VT	N-66	WBS24V	E-139, G-28	WCBY49R4N	J-13
W34RT	N-66, N-67	WBS30V	E-139, G-28	WCCB	J-5
W34VT	N-66	WBS36V	E-139, G-28	WCCLY	J-5
W36RT	N-66	WBS8V	E-139, G-28	WCCR	J-5
W3CRT	N-66	WCAB30R2N	J-13	WCCSY	J-5
W4CRT	N-66, N-67	WCAB30R4N	J-13	WCHAWAS	J-14, N-107
W4CVT	N-66	WCAY39R2N	J-13	WCR29	J-6
W5CRT	N-66, N-67	WCAY39R4N	J-13	WCR30	J-6
W5CVT	N-66	WCAY49R2N	J-13	WCR31	J-6
W660	N-66, N-67	WCAY49R4N	J-13	WCR32	J-6
W687	N-100	WCB10	J-6	WCR33	J-6
W702	N-100			WCR34	J-6

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

WCR35.....	J-6	WCY54PB.....	J-13	WDC4500.....	N-5
WCR36.....	J-6	WCY55.....	J-7		N-15, N-16,
WCR37.....	J-6	WCY56.....	J-7		N-17, N-51,
WCY100.....	J-7	WCY57.....	J-7		N-52, N-53,
WCY101.....	J-8	WCY58.....	J-7		N-66, N-72,
WCY102.....	J-8	WCY59.....	J-7		N-73, N-74,
WCY103.....	J-8	WCY60.....	J-7		N-75, N-76,
WCY104.....	J-8	WCY61.....	J-7	WDIETREE.....	N-78, N-100
WCY105.....	J-8	WCY62.....	J-7	WEEB-11.5.....	E-145
WCY106.....	J-8	WCY63.....	J-7	WEEB-15.8.....	E-149
WCY107.....	J-8	WCY63PB.....	J-13	WEEB-2TC14.....	E-150
WCY108.....	J-8	WCY64.....	J-7	WEEB-2TC38.....	E-150
WCY109.....	J-8	WCY64PB.....	J-13	WEEB-6.7.....	E-149
WCY110.....	J-8	WCY65.....	J-7	WEEB-8.0.....	E-149
WCY111.....	J-8	WCY65PB.....	J-13	WEEB-8.2.....	E-149
WCY112.....	J-8	WCY66.....	J-7	WEEB-9.5.....	E-145
WCY113.....	J-8	WCY67.....	J-7	WEEB-9.5NL.....	E-145
WCY114.....	J-8	WCY68.....	J-7	WEEB-ADC.....	E-146
WCY115.....	J-8	WCY69.....	J-7	WEEB-ADR.....	E-146
WCY116.....	J-8	WCY70.....	J-7	WEEB-ASR.....	E-146
WCY117.....	J-8	WCY71.....	J-7	WEEB-ATF.....	E-146
WCY118.....	J-8	WCY72.....	J-7	WEEB-BMC-1.....	E-143, E-146
WCY119.....	J-8	WCY73.....	J-7	WEEB-BNDJMP12.....	E-152
WCY120.....	J-8	WCY74.....	J-7	WEEB-BNDJMP12AS.....	E-152
WCY121.....	J-8	WCY75.....	J-7	WEEB-BNDJMP18.....	E-152
WCY122.....	J-8	WCY76.....	J-7	WEEB-BNDJMP18AS.....	E-152
WCY123.....	J-8	WCY77.....	J-7	WEEB-BNDJMP24.....	E-152
WCY124.....	J-8	WCY78.....	J-7	WEEB-BNDJMP24AS.....	E-152
WCY125.....	J-8	WCY79.....	J-7	WEEB-BNDJMP36.....	E-152
WCY126.....	J-8	WCY80.....	J-7	WEEB-BNDJMP36AS.....	E-152
WCY127.....	J-8	WCY81.....	J-7	WEEB-BNDJMP6.7.....	E-152
WCY128.....	J-8	WCY82.....	J-7	WEEB-BNDJMP6.7AS.....	E-152
WCY129.....	J-8	WCY83.....	J-7	WEEB-BNDJMP8.0.....	E-152
WCY130.....	J-8	WCY84.....	J-7	WEEB-BNDJMP8.0AS.....	E-152
WCY131.....	J-8	WCY85.....	J-7	WEEB-BNDJMP8.2.....	E-152
WCY132.....	J-8	WCY86.....	J-7	WEEB-BNDJMP8.2MS.....	E-152
WCY133.....	J-8	WCY87.....	J-7	WEEB-BNDJMP9.....	E-152
WCY134.....	J-8	WCY88.....	J-7	WEEB-CCR.....	E-146
WCY135.....	J-8	WCY89.....	J-7	WEEB-CCR-2.....	E-146
WCY136.....	J-8	WCY90.....	J-7	WEEB-CMC.....	E-146
WCY137.....	J-8	WCY91.....	J-7	WEEB-DHF.....	E-146
WCY138.....	J-8	WCY92.....	J-7	WEEB-DMC.....	E-147
WCY139.....	J-8	WCY93.....	J-7	WEEB-DPF.....	E-147
WCY140.....	J-8	WCY94.....	J-7	WEEB-DPR.....	E-147
WCY145.....	J-8	WCY95.....	J-7	WEEB-DSK12.....	E-144
WCY48.....	J-6	WCY96.....	J-7	WEEB-DSK14.....	E-144
WCY49.....	J-6	WCY97.....	J-7	WEEB-DSK38.....	E-144
WCY50.....	J-6	WCY98.....	J-7	WEEB-DSK516.....	E-144
WCY51.....	J-6	WCY99.....	J-7	WEEB-DSK516-45.....	E-144
WCY52.....	J-6	WDA8300.....	N-5	WEEB-DSKBD34.....	E-144
WCY53.....	J-7			WEEB-ECR.....	E-147
WCY53PB.....	J-13			WEEB-FBM14.....	E-145
WCY54.....	J-7			WEEB-FBM516.....	E-145

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

WEEB-JJR.....	E-147	WILEYBRAID18-516.....	E-153	WLB21A.....	M-26
WEEB-KMC.....	E-147	WILEYBRAID18-916.....	E-154	WLB22A.....	M-26
WEEB-KSR.....	E-147	WILEYBRAID24.....	E-153	WLB24A.....	M-26
WEEB-LUG-10.3.....	E-142	WILEYBRAID24-12.....	E-154	WLB55A.....	M-26
WEEB-LUG-15.8.....	E-142	WILEYBRAID24-34.....	E-154	WLB56A.....	M-26
WEEB-LUG-6.7.....	E-142	WILEYBRAID24-38.....	E-153	WLB57A.....	M-26
WEEB-LUG-6.7AS.....	E-142	WILEYBRAID24-516.....	E-153	WLB58A.....	M-26
WEEB-LUG-8.0.....	E-142	WILEYBRAID24-916.....	E-154	WLB59A.....	M-26
WEEB-LUG-8.0AS.....	E-142	WILEYBRAID30.....	E-153	WLB86A.....	M-26
WEEB-LUG-8.0UN.....	E-142	WILEYBRAID30-12.....	E-154	WLB90A.....	M-26
WEEB-LUG-8.2.....	E-142	WILEYBRAID30-34.....	E-154	WLB91A.....	M-26
WEEB-M-KR.....	E-143	WILEYBRAID30-38.....	E-153	WLB92A.....	M-26
WEEB-MSNR516.....	E-143	WILEYBRAID30-516.....	E-153	WLB94A.....	M-26
WEEB-OCR.....	E-147	WILEYBRAID30-916.....	E-154	WLB96A.....	M-26
WEEB-OSF.....	E-147	WILEYBRAID36.....	E-153	WO.....	N-51, N-52
WEEB-PMC.....	E-148	WILEYBRAID36-12.....	E-154	WPBBNBOX25.....	J-5, N-105
WEEB-RPR.....	E-148	WILEYBRAID36-34.....	E-154	WPBRNBOX25.....	J-5, N-105
WEEB-SCR.....	E-148	WILEYBRAID36-38.....	E-153	WPBYNBOX25.....	J-5, N-105
WEEB-SMC-2.....	E-148	WILEYBRAID36-516.....	E-153	WS14A.....	M-13
WEEB-SSF.....	E-148	WILEYBRAID36-916.....	E-154	WS15A.....	M-13
WEEB-SSR.....	E-148	WILEYBRAID6.....	E-153	WS16A.....	M-13
WEEB-STC.....	E-148	WILEYBRAID6-12.....	E-154	WS17A.....	M-13
WEEB-TC14.....	E-151	WILEYBRAID6-34.....	E-154	WS18A.....	M-13
WEEB-TC38.....	E-151	WILEYBRAID6-38.....	E-153	WS19A.....	M-13
WEEB-UIR.....	E-145	WILEYBRAID6-516.....	E-153	WS20A.....	M-13
WEEB-UMC.....	E-148	WILEYBRAID6-916.....	E-154	WS21A.....	M-13
WEEB-WMC.....	E-148	WILEYBRAID8-12.....	E-154	WS22A.....	M-13
WEJTAP™ Video QR Links.....	J-2	WILEYBRAID8-34.....	E-154	WS24A.....	M-13
WHHWB.....	N-106	WILEYBRAID8-916.....	E-154	WS58A.....	M-13
WHHWH.....	J-14	WILEYBRAID9.....	E-153	WS59A.....	M-13
WHSCWH.....	J-14, N-107	WILEYBRAID9-38.....	E-153	WS86A.....	M-13
WHSGB.....	N-107	WILEYBRAID9-516.....	E-153	WS90A.....	M-13
WHSGB.....	J-14	WILEYLUG15.8.....	E-142	WS91A.....	M-13
WHSPBC.....	J-14, N-107	WILEYLUG6.7.....	E-142	WS92A.....	M-13
WHSSADP.....	J-14, N-107	WILEYLUG8.0.....	E-142	WS94A.....	M-13
WHSTA.....	J-14, N-107	WILEYLUG8.2.....	E-142	WS96A.....	M-13
WHSWB.....	N-107	WIPC14-1.....	E-141, G-29	WSBC128A.....	M-25
WHSWB.....	J-14	WIPC14-112.....	E-141, G-29	WSBC74A.....	M-25
WHSWHADP.....	J-14, N-107	WIPC14-12.....	E-141, G-29	WSBC83A.....	M-25
WILEYBRAID10-12.....	E-154	WIPC14-14.....	E-141, G-29	WSL1.....	J-11
WILEYBRAID10-34.....	E-154	WIPC14-34.....	E-141, G-29	WSL10.....	J-11
WILEYBRAID10-916.....	E-154	WIEMIKI.....	F-14, N-103	WSL11.....	J-11
WILEYBRAID12.....	E-153	WIEMIKECI.....	F-14, N-103	WSL12.....	J-11
WILEYBRAID12-12.....	E-154	WIEMIKED.....	F-14, N-103	WSL13.....	J-11
WILEYBRAID12-34.....	E-154	WIS12-3.....	E-141, G-29	WSL14.....	J-11
WILEYBRAID12-38.....	E-153	WIS8-2.....	E-141, G-29	WSL2.....	J-11
WILEYBRAID12-516.....	E-153	WLB15A.....	M-26	WSL3.....	J-11
WILEYBRAID12-916.....	E-154	WLB16A.....	M-26	WSL4.....	J-11
WILEYBRAID18.....	E-153	WLB17A.....	M-26	WSL5.....	J-11
WILEYBRAID18-12.....	E-154	WLB18A.....	M-26	WSL6.....	J-11
WILEYBRAID18-34.....	E-154	WLB19A.....	M-26	WSL7.....	J-11
WILEYBRAID18-38.....	E-153	WLB20A.....	M-26	WSL8.....	J-11

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

WSL9.....	J-11	WTYKNHSBAG.....	J-15	Y2825R.....	C-140
WSM1.....	J-11	WTYWABAG.....	J-15	Y2826R.....	C-140
WSM10.....	J-11	X8CART.....	N-66, N-67	Y2827R.....	C-140
WSM11.....	J-11	XA132N.....	L-19	Y282CR.....	C-140
WSM2.....	J-11	XA142N.....	L-19	Y284CR.....	C-140
WSM3.....	J-11	XA144N.....	L-19	Y284WR.....	C-140
WSM4.....	J-11	XA152N.....	L-19	Y286CR.....	C-140
WSM5.....	J-11	XA154N.....	L-19	Y2928R.....	C-140
WSM6.....	J-11	XA154A4N.....	L-23	Y29BH.....	N-34
WSM7.....	J-11	XA162N.....	L-19	Y3025R.....	C-140
WSM8.....	J-11	XA164N.....	L-19	Y3026R.....	C-140
WSM9.....	J-11	XA164A4N.....	L-23	Y3027R.....	C-140
WSS1.....	J-11	XA172N.....	L-19	Y3028R.....	C-140
WSS2.....	J-11	XA174N.....	L-19	Y302CR.....	C-140
WT2B2RBYK.....	J-15	XA184N.....	L-19	Y304CR.....	C-140
WT2B2RBYWABAG.....	J-15, N-106	XA184A4N.....	L-23	Y3126R.....	C-140
WT2BRBYK.....	J-15	XA194N.....	L-19	Y3128R.....	C-140
WT2BRBYWABAG.....	J-15	XA194A4N.....	L-23	Y3129R.....	C-140
	J-12, J-15,	XA204N.....	L-19	Y3425R.....	C-140
	N-105,	XA20A4N.....	L-23	Y3426R.....	C-140
WTB.....	N-106	XA214N.....	L-19	Y3427R.....	C-140
WTBASY1.....	J-12, N-105	XA21A4N.....	L-23	Y3428R.....	C-140
WTBGBW.....	J-15, N-106	XA224N.....	L-19	Y3429R.....	C-140
WTBGBWRBYK.....	J-15, N-106	XA22A4N.....	L-23	Y342CR.....	C-140
WTBNHS.....	J-15, N-106	XA24A4N.....	L-23	Y3430R.....	C-140
WTCC.....	J-15, N-106	XA574N.....	L-19	Y3431R.....	C-140
	J-12, J-15,	XA594N.....	L-19	Y3432R.....	C-140
	N-105,	XOH25.....	N-50	Y34BH.....	N-33
WTCK.....	N-106	XP1313.....	L-26	Y35.....	N-19
	J-12, J-15,	XP1414.....	L-26	Y35/Y39REPKITA.....	N-19, N-101
	N-105,	XP1515.....	L-26	Y352.....	N-19
WTHRBS.....	N-106	XP1616.....	L-26	Y35BH.....	N-29
	J-12, J-15,	XP1717.....	L-26	Y35BH4.....	N-29
	N-105,	XP1818.....	L-26	Y35H.....	N-29
WTHYS.....	N-106	XP1919.....	L-26	Y3934R.....	C-140
	J-12, J-15,	XP1919HC.....	L-26	Y3936R.....	C-140
	N-105,	XP2020.....	L-26	Y4439R.....	C-140
WTOCBR.....	N-106	XP2121.....	L-26	Y444SBH.....	N-30
	J-12, J-15,	XP2222.....	L-26	Y444SBHF.....	N-30
	N-105,	XP5656.....	L-26	Y45.....	N-27
WTOCY.....	N-106	Y101300C.....	N-85	Y46CLWSBH.....	N-25
WTRB.....	J-15, N-106	Y101400SC.....	N-85	Y46CLWSBHF.....	N-25
WTRBK.....	J-15, N-106	Y1022.....	N-35	Y46LWBH.....	N-26
WTRBKNHS.....	J-15, N-106	Y10AC9.....	N-90	Y46LWBHF.....	N-26
WTRBKNHSBAG.....	J-15, N-106	Y10AC9OEM.....	N-90	Y46LWSBH.....	N-25
WTRBWABAG.....	J-15	Y10D.....	N-35	Y46LWSBHF.....	N-25
WTRBYK.....	J-15, N-106	Y122CMR.....	N-44	Y4PC834.....	N-22
WTRBYKNHS.....	J-15, N-106	Y122CMRCIKIT.....	N-45	Y4PC834MBH.....	N-32
WTRBYKNHSBAG.....	J-15, N-106	Y122CMRKIT.....	N-45	Y500CTHS.....	N-23
WTRBYWABAG.....	J-15, N-106	Y1MRKIT.....	N-43	Y60LW.....	N-24
WTY.....	J-15, N-106	Y1MRTC.....	N-43	Y60LWCASE.....	N-24
WTYK.....	J-15, N-106	Y1MRTCKIT.....	N-43	Y60LWSTAND.....	N-24
WTYKNHS.....	J-15, N-106	Y281CR.....	C-140	Y644HSCASE.....	N-20

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

Y644HSXT	N-20	YA25A3N69T38E	C-102	YA26L3	C-15
Y750BHXT	N-28	YA25A5	C-191	YA26L4TCG1	C-99
Y750CHSXT	N-18	YA25A7	C-191	YA26L60	C-15
Y750HSXT	N-18	YA25A9	C-188	YA26L6BOX	C-15
Y81KFT	N-21	YA25L2BOX	C-15	YA26LB	C-60
Y81KFTMBH	N-31	YA25L2NT14	C-34	YA26LBOX	C-15
Y8MRB1	N-38	YA25L2NT14E1	C-34	YA26LN50T14E	C-102
YA10ATN	C-188	YA25L2TC14	C-31	YA26LNT10	C-19
YA12ATN	C-188	YA25L2TC14E1	C-31	YA26LNT14	C-19
YA1C	C-22	YA25L2TC14E2	C-31	YA26LNT38	C-19
YA1C2L	C-31	YA25L2TC38	C-31	YA26LNT516	C-19
YA1C2LN	C-31	YA25L4BOX	C-15	YA26N	C-23
YA1C2N	C-36, C-40	YA25L4TCG1	C-99	YA26TC14	C-23
YA1C2NT10	C-40	YA25L6	C-15	YA26TC516	C-23
YA1C2NT14	C-40	YA25LB	C-60	YA27	C-23
YA1C2NT14E2	C-40	YA25LBOX	C-15	YA272LN	C-31
YA1C2NU	C-90	YA25LN50T14E	C-102	YA272N	C-37
YA1C2TC14	C-36	YA25LN64T516E	C-102	YA272NT14	C-41
YA1C2TC14E2	C-36	YA25LNT10	C-19	YA272NT38	C-41
YA1C2TC38	C-36, C-40	YA25LNT14	C-19	YA272NT516	C-41
YA1CA1	C-188	YA25LNT38	C-19	YA272NU	C-91
YA1CL2	C-15	YA25LNT516	C-19	YA272TC14E2	C-37
YA1CL2NT14	C-34	YA25N	C-23	YA272TC38	C-37
YA1CL2NT14E2	C-34	YA25TC10	C-23	YA27A1	C-188
YA1CL2TC14	C-31	YA25TC38	C-23	YA27A10S76T516E	C-103
YA1CL2TC14E2	C-31	YA26	C-23	YA27A3	C-188
YA1CL2TC38	C-31	YA262L	C-31	YA27A5	C-191
YA1CL4BOX	C-15	YA262LH89	H-42	YA27A7	C-191
YA1CL6BOX	C-15	YA262LN	C-31	YA27L2NT14	C-34
YA1CLB	C-60	YA262N	C-37	YA27L2NT38	C-34
YA1CLBOX	C-15	YA262NT14	C-41	YA27L2NT516	C-34
YA1CLNT10	C-19	YA262NT14E1	C-41	YA27L2TC14E2	C-31
YA1CLNT14	C-19	YA262NT38	C-41	YA27L2TC38	C-31
YA1CN	C-22	YA262NT516	C-41	YA27L3	C-15
YA1CTC10	C-22	YA262NU	C-91	YA27L4BOX	C-15
YA1CTC14	C-22	YA262TC14	C-37	YA27L4TCG1	C-99
YA1CTC38	C-22	YA262TC14E2	C-37	YA27LB	C-60
YA25	C-23	YA262TC38	C-37	YA27LBOX	C-15
YA252L	C-31	YA26A1	C-188	YA27LNT14	C-19
YA252LN	C-31	YA26A13N100T516E	C-103	YA27LNT38	C-19
YA252N	C-37	YA26A3	C-191	YA27LNT516	C-19
YA252NT14	C-41	YA26A5	C-191	YA28	C-23
YA252NT14E1	C-41	YA26A6	C-188	YA282LH114	H-42
YA252NT38	C-41	YA26A6N100T38E	C-103	YA282LH115	H-42
YA252NTC38	C-37	YA26A7	C-188	YA282LN	C-31
YA252NU	C-91	YA26A8	C-188	YA282N	C-37
YA252TC14	C-37	YA26L2BOX	C-15	YA282NT14	C-41
YA252TC14E2	C-37	YA26L2NT14	C-34	YA282NT38	C-41
YA252TC38	C-37	YA26L2NT14E1	C-34	YA282NT516	C-41
YA252TC516	C-37	YA26L2TC14	C-31	YA282NTC38	C-37
YA25A1	C-188	YA26L2TC14E1	C-31	YA282NU	C-91
YA25A1S60T516E	C-102	YA26L2TC14E2	C-31	YA282TC14E2	C-37
YA25A3	C-188	YA26L2TC38	C-31	YA282TC38	C-37

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YA28A1.....	C-188	YA29LTC78.....	C-15	YA30A1N131T12E.....	C-103
YA28A14N100T516E.....	C-103	YA2C.....	C-22	YA30A3.....	C-191
YA28A1N100T38E.....	C-103	YA2C2L.....	C-31	YA30A5.....	C-191
YA28A3.....	C-188	YA2C2LN.....	C-31	YA30A6.....	C-188
YA28A5.....	C-191	YA2C2N.....	C-36	YA30A6N100T38E.....	C-103
YA28A7.....	C-191	YA2C2NT14.....	C-40	YA30A9N100T516E.....	C-103
YA28L2.....	C-15	YA2C2NT14E1.....	C-40	YA30L.....	C-16
YA28L2NT14.....	C-34	YA2C2NT14E2.....	C-40	YA30L1.....	C-16
YA28L2NTC516.....	C-31	YA2C2NTC38.....	C-36	YA30L24.....	C-16
YA28L2TC14E1.....	C-31	YA2C2NU.....	C-90	YA30L24N100T38E.....	C-102
YA28L2TC14E2.....	C-31	YA2C2TC14.....	C-36	YA30L27.....	C-16
YA28L2TC38.....	C-31	YA2C2TC14E2.....	C-36	YA30L28.....	C-16
YA28L2TC38E2.....	C-31	YA2C2TC38.....	C-36	YA30L2NTCFX.....	C-69
YA28L3.....	C-15	YA2C2TC38E2.....	C-36	YA30L2TC38.....	C-32
YA28L4BOX.....	C-15	YA2C2TC38E6.....	C-36	YA30L2TC38FX.....	C-69
YA28L4TCG1.....	C-99	YA2C2TC38SL.....	C-94	YA30L2TC516FX.....	C-69
YA28L56.....	C-15	YA2C2TC38SLBOX500.....	C-94	YA30L7.....	C-16
YA28LB.....	C-60	YA2C2TC516E2.....	C-36	YA30LB.....	C-60
YA28LBOX.....	C-15	YA2CA1.....	C-188	YA30LN.....	C-16
YA28LNT14.....	C-19	YA2CA1S91T516E.....	C-102	YA30LNT14.....	C-20
YA28LNT38.....	C-19	YA2CA3.....	C-188	YA30LNT38.....	C-20
YA28LNT516.....	C-19	YA2CA5.....	C-188	YA30LNT516FX.....	C-54
YA28N.....	C-23	YA2CA5S53T14E.....	C-102	YA30LTC12FX.....	C-51
YA28TC38.....	C-23	YA2CA9.....	C-191	YA30LTC34FX.....	C-51
YA29.....	C-23	YA2CL2BOX.....	C-15	YA30LTC38FX.....	C-51
YA292LH91.....	H-42	YA2CL2NT14.....	C-34	YA30LTC516FX.....	C-51
YA292LN.....	C-31	YA2CL2NT14E1.....	C-34	YA30LTC58FX.....	C-51
YA292N.....	C-37	YA2CL2NT14E2.....	C-34	YA30N.....	C-23
YA292NNT.....	C-41	YA2CL2TC14.....	C-31	YA30TC12FXB.....	C-66
YA292NT14.....	C-41	YA2CL2TC14E1.....	C-31	YA31.....	C-23
YA292NT38.....	C-41	YA2CL2TC14E2.....	C-31	YA312LH90.....	H-42
YA292NT38E16.....	C-41	YA2CL2TC38.....	C-31	YA312LN.....	C-32
YA292NT516.....	C-41	YA2CL2TC516.....	C-31	YA312N.....	C-37
YA292NU.....	C-91	YA2CL4BOX.....	C-15	YA312NFXB.....	C-80
YA292TC38.....	C-37	YA2CL6BOX.....	C-15	YA312NT38.....	C-42
YA292TC58E16.....	C-37	YA2CLB.....	C-60	YA312NT38E16.....	C-42
YA29A1.....	C-188	YA2CLBOX.....	C-15	YA312NU.....	C-91
YA29A3.....	C-191	YA2CLNT10.....	C-19	YA312TC14E2.....	C-37
YA29A5.....	C-191	YA2CLNT14.....	C-19	YA312TC38.....	C-37
YA29A6.....	C-188	YA2CLNT516.....	C-19	YA312TC38FXB.....	C-80
YA29A9.....	C-188	YA2CN.....	C-22	YA31A1.....	C-188
YA29L2.....	C-15	YA2CTC10.....	C-22	YA31A11N100T516E.....	C-103
YA29L2NT38.....	C-34	YA2CTC14.....	C-22	YA31A12.....	C-188
YA29L2NT38E16.....	C-34	YA2CTC38.....	C-22	YA31A3.....	C-191
YA29L2TC38.....	C-31	YA30.....	C-23	YA31A5.....	C-191
YA29L4.....	C-15	YA302LH85.....	H-42	YA31A6.....	C-188
YA29L4TCG1.....	C-99	YA302LN.....	C-32	YA31A9N100T38E.....	C-103
YA29L7.....	C-15	YA302N.....	C-37	YA31L.....	C-16
YA29LB.....	C-60	YA302NFXB.....	C-80	YA31L11.....	C-16
YA29LBOX.....	C-15	YA302NT38.....	C-41	YA31L2NT38.....	C-34
YA29LENT38.....	C-20	YA302NU.....	C-91	YA31L2NT38E16.....	C-34
YA29LENT516.....	C-20	YA302TC38.....	C-37	YA31L2NT38FX.....	C-72
YA29LNT38.....	C-20	YA30A1.....	C-188	YA31L2NTC516.....	C-32

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YA31L2NTCFX	C-69	YA32LTC38FX	C-51	YA34LB.....	C-60
YA31L2TC12	C-32	YA32LTC58FX	C-51	YA34LNT12	C-20
YA31L2TC12FX	C-69	YA32LTC78	C-16	YA34LNT12FX	C-55
YA31L2TC14E2.....	C-32	YA32N.....	C-23	YA34LNT38.....	C-20
YA31L2TC38.....	C-32	YA32TC12FXB.....	C-66	YA34LNT38FX.....	C-55
YA31L2TC38FX.....	C-69	YA33	C-24	YA34LTC12FX	C-51
YA31L36	C-16	YA332N	C-37	YA34LTC38FX	C-51
YA31L4TCG1.....	C-99	YA33L	C-16	YA34LTC516FX	C-51
YA31L7.....	C-16	YA33N.....	C-24	YA34LTC58FX	C-51
YA31LB.....	C-60	YA34	C-24	YA34N	C-24
YA31LNT12.....	C-20	YA342L.....	C-32	YA34TC12FXB.....	C-66
YA31LNT12FX.....	C-51	YA342LH110.....	H-42	YA352L	C-32
YA31L-NT12-FX	C-54	YA342LH111.....	H-42	YA352LN	C-32
YA31LNT38.....	C-20	YA342LN	C-32	YA352N	C-37
YA31LTC12FX.....	C-51	YA342LNN119T12E.....	C-102	YA36	C-24
YA31LTC14FX.....	C-51	YA342LNN131T12E.....	C-102	YA362LN	C-32
YA31LTC34FX	C-51	YA342N	C-37	YA362N	C-37
YA31LTC38FX	C-51	YA342NFXB.....	C-80	YA362NFXB.....	C-80
YA31LTC516FX.....	C-51	YA342NNT	C-42	YA362NNT	C-42
YA31LTC58FX	C-51	YA342NT38.....	C-42	YA362NT12	C-42
YA31TC12FXB	C-66	YA342NT38E16.....	C-42	YA362NT38.....	C-42
YA32	C-23	YA342NT58.....	C-42	YA362NU.....	C-91
YA322L	C-32	YA342NU.....	C-91	YA362TC38.....	C-37
YA322LN	C-32	YA342TC14E2	C-37	YA36A1	C-189
YA322N	C-37	YA342TC38.....	C-37	YA36A17	C-191
YA322NFXB.....	C-80	YA342TC38FXB.....	C-80	YA36A3.....	C-191
YA322NNT	C-42	YA34A1	C-189	YA36A3N131TD12E	C-103
YA322NT38.....	C-42	YA34A3.....	C-191	YA36A3N131TD38E	C-103
YA322NU.....	C-91	YA34A3N131T12E	C-103	YA36A5.....	C-191
YA322TC38.....	C-37	YA34A5.....	C-191	YA36A8.....	C-189
YA322TC38FXB.....	C-80	YA34A7.....	C-189	YA36A9N131TD12E	C-103
YA32A1	C-188	YA34A7N131T12E	C-103	YA36L	C-16
YA32A3.....	C-191	YA34A8.....	C-191	YA36L11.....	C-16
YA32A5.....	C-191	YA34A8N131T38E.....	C-103	YA36L2ENT38E10FX	C-73
YA32A6.....	C-188	YA34L	C-16	YA36L2NNT	C-34
YA32A8N106T516E.....	C-103	YA34L20.....	C-16	YA36L2NT38FX	C-73
YA32A9.....	C-188	YA34L2NT12E1	C-34	YA36L2NTCFX	C-69
YA32L	C-16	YA34L2NT38	C-34	YA36L2TC38	C-32
YA32L1.....	C-16	YA34L2NT38E16.....	C-34	YA36L2TC38FX	C-69
YA32L14.....	C-16	YA34L2NT38FX	C-73	YA36LB.....	C-60
YA32L2NT38FX	C-73	YA34L2NTC38FX.....	C-69	YA36LNT12	C-20
YA32L2NTCFX.....	C-69	YA34L2NTCFX.....	C-69	YA36LNT38.....	C-20
YA32L2TC38.....	C-32	YA34L2TC12	C-32	YA36LTC12FX	C-51
YA32L2TC38E5.....	C-32	YA34L2TC12FX.....	C-69	YA36LTC58FX	C-51
YA32L2TC38FX.....	C-69	YA34L2TC14E2	C-32	YA36LTC78	C-16
YA32LB.....	C-60	YA34L2TC38.....	C-32	YA36N	C-24
YA32LN	C-16	YA34L2TC38FX	C-69	YA36TC12FXB.....	C-66
YA32LNT12	C-20	YA34L2TC516FX.....	C-69	YA36TC58FXB.....	C-66
YA32LNT38.....	C-20	YA34L37	C-16	YA37	C-24
YA32LNT38FX.....	C-54	YA34L6	C-16	YA372L	C-32
YA32LNT516FX.....	C-54	YA34L6N131T12E.....	C-102	YA372LN	C-32
YA32LTC100FX.....	C-51	YA34L8	C-16	YA372N.....	C-38
YA32LTC12FX.....	C-51	YA34L9	C-16	YA37L	C-17

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YA37L1.....	C-17	YA39L2.....	C-17	YA40LTC516FX.....	C-52
YA37N.....	C-24	YA39L2NT12E1.....	C-34	YA40LTC58FX.....	C-52
YA38.....	C-24	YA39L2NT38.....	C-34	YA40TC58FXB.....	C-66
YA382FXBG2.....	C-81	YA39L2NT38E16.....	C-34	YA41.....	C-24
YA382FXBG3.....	C-81	YA39L2NTCFX.....	C-70	YA412L.....	C-32
YA382L.....	C-32	YA39L2TC12E3.....	C-32	YA412N.....	C-38
YA382LN.....	C-32	YA39L2TC38.....	C-32	YA41L.....	C-17
YA382N.....	C-38	YA39L2TC38E10FX.....	C-70	YA41N.....	C-24
YA382NFXB.....	C-81	YA39L2TC58.....	C-32	YA42A1.....	C-189
YA382TC38.....	C-38	YA39L6.....	C-17	YA42A3.....	C-189
YA382TC38FXB.....	C-81	YA39L6N131T12E.....	C-102	YA42A5.....	C-192
YA38L.....	C-17	YA39L9.....	C-17	YA42A7.....	C-192
YA38L2ENT38FX.....	C-73	YA39LB.....	C-60	YA44.....	C-24
YA38L2NNTFX.....	C-73	YA39LNT12.....	C-20	YA442L.....	C-32
YA38L2NT38FX.....	C-73	YA39LNT38.....	C-20	YA442LN.....	C-32
YA38L2NTCFX.....	C-70	YA39LNT58.....	C-20	YA442N.....	C-38
YA38L2TC12.....	C-32	YA39N.....	C-24	YA442NFXB.....	C-81
YA38L2TC12FX.....	C-70	YA3C.....	C-22	YA442NU.....	C-91
YA38L2TC38.....	C-32	YA3C2L.....	C-31	YA442TC38.....	C-38
YA38L2TC38FX.....	C-70	YA3C2N.....	C-36	YA442TC38FXB.....	C-81
YA38L2TC516FX.....	C-70	YA3C2NU.....	C-90	YA444N.....	C-47
YA38LB.....	C-60	YA3C2TC14.....	C-36	YA444NU.....	C-92
YA38LNT12FX.....	C-55	YA3C2TC14E2.....	C-36	YA44A1.....	C-189
YA38LNTM20FX.....	C-55	YA3C2TC38.....	C-36	YA44A3.....	C-192
YA38LTC12FX.....	C-52	YA3C2TC38E2.....	C-36	YA44A8.....	C-192
YA38LTC38FX.....	C-52	YA3C2TC38FXB.....	C-79	YA44L.....	C-17
YA38LTC516FX.....	C-52	YA3C2TC38SL.....	C-94	YA44L2.....	C-17
YA38LTC58FX.....	C-52	YA3C2TC38SLBOX500.....	C-94	YA44L23.....	C-17
YA38N.....	C-24	YA3C2TC516FXB.....	C-79	YA44L2NNTFX.....	C-73
YA38TC12FXB.....	C-66	YA3CL.....	C-14	YA44L2NNTFXSL.....	C-93
YA38TC58FXB.....	C-66	YA3CL2TC14.....	C-31	YA44L2NT38FX.....	C-73
YA39.....	C-24	YA3CL2TC38.....	C-31	YA44L2NTC12E24.....	C-34
YA392ENNT.....	C-42	YA3CLB.....	C-60	YA44L2NTCFX.....	C-70
YA392L.....	C-32	YA3CLNT14.....	C-19	YA44L2TC12.....	C-32
YA392LN.....	C-32	YA3CLNT516.....	C-19	YA44L2TC12E3FX.....	C-70
YA392LNN131T12E.....	C-102	YA3CN.....	C-22	YA44L2TC12FX.....	C-70
YA392N.....	C-38	YA3CTC14.....	C-22	YA44L2TC38FX.....	C-70
YA392NNT.....	C-42	YA3CTC38.....	C-22	YA44L2TC58FX.....	C-70
YA392NT38.....	C-42	YA40.....	C-24	YA44LB.....	C-60
YA392NT38E16.....	C-42	YA402L.....	C-32	YA44LNT12FX.....	C-55
YA392NT58.....	C-42	YA402LN.....	C-32	YA44LNT38FX.....	C-55
YA392NU.....	C-91	YA402N.....	C-38	YA44LTC12FX.....	C-52
YA392TC38.....	C-38	YA402NFXB.....	C-81	YA44LTC58FX.....	C-52
YA39A1.....	C-189	YA402NU.....	C-91	YA44N.....	C-24
YA39A13.....	C-192	YA40L.....	C-17	YA44TC58FXB.....	C-66
YA39A1N131TD12E.....	C-103	YA40L2NNTFX.....	C-73	YA45.....	C-24
YA39A3.....	C-189	YA40L2NTCFX.....	C-70	YA452N.....	C-38
YA39A34.....	C-189	YA40L2TC38.....	C-32	YA452NU.....	C-92
YA39A5.....	C-192	YA40L2TC38FX.....	C-70	YA4532N.....	C-38
YA39A5N131TD12E.....	C-103	YA40LB.....	C-60	YA453LBOX.....	C-17
YA39A7.....	C-192	YA40LENT12FX.....	C-55	YA454N.....	C-47
YA39AM2.....	C-192	YA40LTC12FX.....	C-52	YA454NU.....	C-92
YA39L.....	C-17	YA40LTC38FX.....	C-52	YA45A5.....	C-192

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YA45L.....	C-17	YA4CTC38.....	C-22	YA8C2TC14E2.....	C-36
YA45L2NT38FX.....	C-73	YA5C.....	C-22	YA8C2TC14E2FXB.....	C-79
YA46.....	C-24	YA5C2L.....	C-30	YA8C2TC38.....	C-36
YA462N.....	C-38	YA5C2N.....	C-36	YA8C2TC38FXB.....	C-79
YA462NFXB.....	C-81	YA5C2NU.....	C-90	YA8CA1.....	C-188
YA462NU.....	C-92	YA5CL.....	C-14	YA8CA3.....	C-188
YA464N.....	C-47	YA5CLB.....	C-60	YA8CA3S56T14E.....	C-102
YA464NU.....	C-92	YA5CN.....	C-22	YA8CL1BOX.....	C-14, C-50
YA46A3.....	C-192	YA5CTC14FXB.....	C-65	YA8CL2BOX.....	C-14, C-50
YA46A5.....	C-192	YA6C.....	C-22	YA8CL2TC10.....	C-30, C-68
YA46L.....	C-17	YA6C2L.....	C-30	YA8CL2TC10E2.....	C-30
YA46N.....	C-24	YA6C2L51.....	C-30	YA8CL2TC14.....	C-30, C-68
YA46TC58FXB.....	C-66	YA6C2L52.....	C-30	YA8CL2TC14E1.....	C-30, C-68
YA47.....	C-24	YA6C2LN.....	C-30	YA8CL2TC14E2.....	C-30, C-68
YA472N.....	C-38	YA6C2N.....	C-36	YA8CL2TC38.....	C-30, C-68
YA472NU.....	C-92	YA6C2NT8.....	C-40	YA8CL3BOX.....	C-14, C-50
YA474N.....	C-47	YA6C2NU.....	C-90	YA8CL4BOX.....	C-14, C-50
YA47N.....	C-24	YA6C2TC14.....	C-36	YA8CLB.....	C-60
YA48.....	C-24	YA6C2TC14E1.....	C-36	YA8CLBOX.....	C-14, C-50
YA482N.....	C-38	YA6C2TC14E2.....	C-36	YA8CLNT6.....	C-19
YA482NU.....	C-92	YA6C2TC38.....	C-36	YA8CLNT8.....	C-19
YA484N.....	C-47	YA6C2TC38E2.....	C-36	YA8CTC10.....	C-22
YA4864N.....	C-47	YA6C2TC38E6.....	C-36	YA8CTC14.....	C-22
YA48A3.....	C-192	YA6C2TC38SL.....	C-94	YA8CTC14FXB.....	C-65
YA48L.....	C-17	YA6C2TC38SLBOX500.....	C-94	YA8CTC38.....	C-22
YA48N.....	C-24	YA6CA1.....	C-188	YAAKIT1.....	C-193
YA4C.....	C-22	YA6CA3.....	C-188	YAAKIT2.....	C-193
YA4C2L.....	C-30	YA6CL1BOX.....	C-14	YAAKIT3.....	C-193
YA4C2LN.....	C-30	YA6CL231.....	B-16	YAB252LH70.....	H-42
YA4C2N.....	C-36	YA6CL2TC10.....	C-30	YAB252LH71.....	H-42
YA4C2NT10.....	C-40	YA6CL2TC14.....	C-30	YAB2C2LH74.....	H-42
YA4C2NT14.....	C-40	YA6CL2TC14E.....	C-30	YAB2C2LH75.....	H-42
YA4C2NU.....	C-90	YA6CL2TC14E1.....	C-30	YAB344N.....	C-47
YA4C2TC14.....	C-36	YA6CL2TC14E2.....	C-30	YAB364N.....	C-47
YA4C2TC14E2.....	C-36	YA6CL2TC14E2SL.....	C-93	YAB394N.....	C-47
YA4C2TC38.....	C-36	YA6CL2TC38.....	C-30	YAB4C2LH72.....	H-42
YA4CA1.....	C-188	YA6CL2TC516.....	C-30	YACCASE.....	N-90
YA4CA3.....	C-188	YA6CL2TC516E2.....	C-30	YACFC.....	N-90
YA4CA6.....	C-188	YA6CL3BOX.....	C-14	YAD1010.....	B-5
YA4CL1BOX.....	C-14	YA6CL4BOX.....	C-14	YAD1010F.....	B-31
YA4CL2TC14.....	C-30	YA6CL6.....	C-14	YAD1014.....	B-5
YA4CL2TC14E1.....	C-30	YA6CLBOX.....	C-14	YAD1014F.....	B-31
YA4CL2TC14E2.....	C-30	YA6CLNT6.....	C-19	YAD1014M.....	B-5
YA4CL2TC38.....	C-30	YA6CN.....	C-22	YAD1038.....	B-5
YA4CL2TC516.....	C-30	YA6CTC10.....	C-22	YAD1038M.....	B-5
YA4CL3BOX.....	C-14	YA6CTC38.....	C-22	YAD10516.....	B-5
YA4CL4BOX.....	C-14	YA6CTC516.....	C-22	YAD10516M.....	B-5
YA4CL6BOX.....	C-14	YA6CTC8.....	C-22	YAD106.....	B-5
YA4CLB.....	C-60	YA8C2LN.....	C-30	YAD106F.....	B-31
YA4CLBOX.....	C-14	YA8C2N.....	C-36	YAD108.....	B-5
YA4CLNT10.....	C-19	YA8C2NT8.....	C-40	YAD108F.....	B-31
YA4CN.....	C-22	YA8C2NU.....	C-90	YAD108M.....	B-5
YA4CTC10.....	C-22	YA8C2TC14.....	C-36	YAD1410.....	B-5

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAD1410F.....	B-31	YAD27M8E516.....	B-7	YAE10N111LFBOX.....	B-40
YAD1410M.....	B-5	YAD28M10E38.....	B-7	YAE10N112BFBOX.....	B-44
YAD1414.....	B-5	YAD28M12E12.....	B-7	YAE10N112LFBOX.....	B-40
YAD1414F.....	B-31	YAD28M16E58.....	B-7	YAE10N11BOX.....	B-11
YAD1414M.....	B-5	YAD28M20E34.....	B-7	YAE10N11M.....	B-11
YAD1438.....	B-5	YAD28M6E14.....	B-7	YAE10N2.....	B-11
YAD1438M.....	B-5	YAD28M8E516.....	B-7	YAE10N2BOX.....	B-11
YAD144.....	B-5	YAD2CM10E38.....	B-6	YAE10N2M.....	B-11
YAD14516.....	B-5	YAD2CM12E12.....	B-6	YAE10N3.....	B-11
YAD146.....	B-5	YAD2CM16E58.....	B-6	YAE10N3BOX.....	B-11
YAD146F.....	B-31	YAD2CM20E34.....	B-6	YAE10N3M.....	B-11
YAD146M.....	B-5	YAD2CM6E14.....	B-6	YAE10N4.....	B-11
YAD148.....	B-5	YAD2CM8E516.....	B-6	YAE10N4BOX.....	B-11
YAD148F.....	B-31	YAD30M10E38.....	B-7	YAE10N4M.....	B-11
YAD148M.....	B-5	YAD30M12E12.....	B-7	YAE10N5.....	B-11
YAD1810.....	B-5	YAD30M16E58.....	B-7	YAE10N5BOX.....	B-11
YAD1810F.....	B-31	YAD30M20E34.....	B-7	YAE10N5M.....	B-11
YAD1810M.....	B-5	YAD31M10E38.....	B-7	YAE10N79BOX.....	B-11
YAD1814.....	B-5	YAD31M12E12.....	B-7	YAE10N80FBOX.....	B-35
YAD1814F.....	B-31	YAD31M16E58.....	B-7	YAE10N81FBOX.....	B-35
YAD1814M.....	B-5	YAD31M20E34.....	B-7	YAE10N82FBOX.....	B-35
YAD1838.....	B-5	YAD33M10E38.....	B-7	YAE10N83FBOX.....	B-35
YAD184.....	B-5	YAD33M12E12.....	B-7	YAE10NBOX.....	B-11
YAD184M.....	B-5	YAD33M16E58.....	B-7	YAE10NM.....	B-11
YAD18516.....	B-5	YAD33M20E34.....	B-7	YAE12N.....	B-11
YAD186.....	B-5	YAD36M10E38.....	B-7	YAE12N1.....	B-11
YAD186F.....	B-31	YAD36M12E12.....	B-7	YAE12N1BOX.....	B-11
YAD186M.....	B-5	YAD36M16E58.....	B-7	YAE12N1M.....	B-11
YAD188.....	B-5	YAD36M20E34.....	B-7	YAE12N2.....	B-11
YAD188F.....	B-31	YAD4CM10E38.....	B-6	YAE12N2BOX.....	B-11
YAD188M.....	B-5	YAD4CM12E12.....	B-6	YAE12N2M.....	B-11
YAD1CM10E38.....	B-6	YAD4CM16E58.....	B-6	YAE12N7.....	B-11
YAD1CM12E12.....	B-6	YAD4CM20E34.....	B-6	YAE12N7BOX.....	B-11
YAD1CM16E58.....	B-6	YAD4CM5E10.....	B-6	YAE12N7M.....	B-11
YAD1CM20E34.....	B-6	YAD4CM6E14.....	B-6	YAE12N9.....	B-11
YAD1CM6E14.....	B-6	YAD4CM8E516.....	B-6	YAE12N9BOX.....	B-11
YAD1CM8E516.....	B-6	YAD6CM10E38.....	B-6	YAE12N9M.....	B-11
YAD25M10E38.....	B-6	YAD6CM12E12.....	B-6	YAE12NBOX.....	B-11
YAD25M12E12.....	B-6	YAD6CM5E10.....	B-6	YAE12NM.....	B-11
YAD25M16E58.....	B-6	YAD6CM6E14.....	B-6	YAE12Z2.....	B-48
YAD25M20E34.....	B-6	YAD6CM8E516.....	B-6	YAE12Z2BOX.....	B-48
YAD25M6E14.....	B-6	YAD8CM10E38.....	B-6	YAE12Z3.....	B-48
YAD25M8E516.....	B-6	YAD8CM12E12.....	B-6	YAE12Z3BOX.....	B-48
YAD26M10E38.....	B-7	YAD8CM16E58.....	B-6	YAE12Z4.....	B-48
YAD26M12E12.....	B-7	YAD8CM4E8.....	B-6	YAE12Z4BOX.....	B-48
YAD26M16E58.....	B-7	YAD8CM5E10.....	B-6	YAE14N.....	B-11
YAD26M20E34.....	B-7	YAD8CM6E14.....	B-6	YAE14N1.....	B-11
YAD26M6E14.....	B-7	YAD8CM8E516.....	B-6	YAE14N107BFBOX.....	B-44
YAD26M8E516.....	B-7	YAE10N.....	B-11	YAE14N107LFBOX.....	B-40
YAD27M10E38.....	B-7	YAE10N11.....	B-11	YAE14N108BFBOX.....	B-44
YAD27M12E12.....	B-7	YAE10N110BFBOX.....	B-44	YAE14N108LFBOX.....	B-40
YAD27M16E58.....	B-7	YAE10N110LFBOX.....	B-40	YAE14N109BFBOX.....	B-44
YAD27M20E34.....	B-7	YAE10N111BFBOX.....	B-44	YAE14N109LFBOX.....	B-40

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAE14N1BOX	B-11	YAE18N26	B-11	YAE22Z3BOX	B-48
YAE14N1M	B-11	YAE18N26BOX	B-11	YAEBAF1CNTN	C-205
YAE14N2	B-11	YAE18N26M	B-11	YAEBAF1CNTNOEM	C-205
YAE14N2BOX	B-11	YAE18N2BOX	B-11	YAEBAF1CPTN	C-205
YAE14N2M	B-11	YAE18N2M	B-11	YAEBAF1CPTNOEM	C-205
YAE14N3	B-11	YAE18N3	B-11	YAEBAF25NTN	C-205
YAE14N3BOX	B-11	YAE18N3BOX	B-11	YAEBAF25NTNOEM	C-205
YAE14N3M	B-11	YAE18N3M	B-11	YAEBAF25PTN	C-205
YAE14N4	B-11	YAE18N56F	B-35	YAEBAF25PTNOEM	C-205
YAE14N43	B-11	YAE18N56FBOX	B-35	YAEBAF26NTN	C-205
YAE14N43BOX	B-11	YAE18N57F	B-35	YAEBAF26NTNOEM	C-205
YAE14N43M	B-11	YAE18N57FBOX	B-35	YAEBAF26PTN	C-205
YAE14N4BOX	B-11	YAE18N57FM	B-35	YAEBAF26PTNOEM	C-205
YAE14N4M	B-11	YAE18N58FBOX	B-35	YAEBAF27NTN	C-205
YAE14N76F	B-35	YAE18N60F	B-35	YAEBAF27NTNOEM	C-205
YAE14N76FBOX	B-35	YAE18N60FBOX	B-35	YAEBAF27PTN	C-205
YAE14N77F	B-35	YAE18NBOX	B-11	YAEBAF27PTNOEM	C-205
YAE14N77FBOX	B-35	YAE18NM	B-11	YAEBAF28NTN	C-205
YAE14N77FM	B-35	YAE18Z1	B-48	YAEBAF28NTNOEM	C-205
YAE14N78F	B-35	YAE18Z1BOX	B-48	YAEBAF28PTN	C-205
YAE14N78FBOX	B-35	YAE18Z2	B-48	YAEBAF28PTNOEM	C-205
YAE14N78FM	B-35	YAE18Z2BOX	B-48	YAEBAF2CNTN	C-205
YAE14NBOX	B-11	YAE18Z3	B-48	YAEBAF2CNTNOEM	C-205
YAE14NM	B-11	YAE18Z3BOX	B-48	YAEBAF2CPTN	C-205
YAE14Z2	B-48	YAE18Z4	B-48	YAEBAF2CPTNOEM	C-205
YAE14Z2BOX	B-48	YAE18Z4BOX	B-48	YAEBAS1CNTN	C-204
YAE14Z3	B-48	YAE22G12	B-10	YAEBAS1CNTNOEM	C-204
YAE14Z3BOX	B-48	YAE22G12BOX	B-10	YAEBAS1CPTN	C-204
YAE14Z4	B-48	YAE22G13	B-10	YAEBAS1CPTNOEM	C-204
YAE14Z4BOX	B-48	YAE22G13BOX	B-10	YAEBAS25NTN	C-204
YAE18G43F	B-35	YAE22G13M	B-10	YAEBAS25NTNOEM	C-204
YAE18G43FBOX	B-35	YAE22G14	B-10	YAEBAS25PTN	C-204
YAE18G43FM	B-35	YAE22G14BOX	B-10	YAEBAS25PTNOEM	C-204
YAE18N	B-11	YAE22G15	B-10	YAEBAS26NTN	C-204
YAE18N1	B-11	YAE22G15BOX	B-10	YAEBAS26NTNOEM	C-204
YAE18N104BFBOX	B-44	YAE22G16	B-10	YAEBAS26PTN	C-204
YAE18N104LFBOX	B-40	YAE22G16BOX	B-10	YAEBAS26PTNOEM	C-204
YAE18N105BFBOX	B-44	YAE22G16M	B-10	YAEBAS27NTN	C-204
YAE18N105LFBOX	B-40	YAE22G18	B-10	YAEBAS27NTNOEM	C-204
YAE18N106BFBOX	B-44	YAE22G18BOX	B-10	YAEBAS27PTN	C-204
YAE18N106LFBOX	B-40	YAE22G18M	B-10	YAEBAS27PTNOEM	C-204
YAE18N15	B-11	YAE22N65F	B-35	YAEBAS28NTN	C-204
YAE18N15BOX	B-11	YAE22N65FBOX	B-35	YAEBAS28NTNOEM	C-204
YAE18N15M	B-11	YAE22N65FM	B-35	YAEBAS28PTN	C-204
YAE18N1BOX	B-11	YAE22N66F	B-35	YAEBAS28PTNOEM	C-204
YAE18N2	B-11	YAE22N66FBOX	B-35	YAEBAS2CNTN	C-204
YAE18N21	B-11	YAE22N66FM	B-35	YAEBAS2CNTNOEM	C-204
YAE18N21BOX	B-11	YAE22Z1	B-48	YAEBAS2CPTN	C-204
YAE18N21M	B-11	YAE22Z1BOX	B-48	YAEBAS2CPTNOEM	C-204
YAE18N24	B-11	YAE22Z2	B-48	YAEBAS4CNTN	C-204
YAE18N24BOX	B-11	YAE22Z2BOX	B-48	YAEBAS4CNTNOEM	C-204
YAE18N24M	B-11	YAE22Z3	B-48	YAEBAS4CPTN	C-204

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAEBAS4CPTNOEM.....	C-204	YAES18N3.....	B-9	YAEV26H3.....	B-27
YAEBAS6CNTN.....	C-204	YAES18N3F.....	B-34	YAEV26L.....	B-25
YAEBAS6CNTNOEM.....	C-204	YAES18N4.....	B-9	YAEV26L1.....	B-25
YAEBAS6CPTN.....	C-204	YAES18N48.....	B-9	YAEV26L2.....	B-25
YAEBAS6CPTNOEM.....	C-204	YAES18N49.....	B-9	YAEV26L3.....	B-25
YAES10K11.....	B-14	YAES18N49F.....	B-34	YAEV26L3BOX.....	B-25
YAES10K11T1.....	B-14	YAES18N5.....	B-9	YAEV26LBOX.....	B-25
YAES10K12.....	B-14	YAES18N50.....	B-9	YAEV26RS.....	B-29
YAES10K13.....	B-14	YAES18N50F.....	B-34	YAEV2CH.....	B-26
YAES10K14.....	B-14	YAEV10.....	B-24	YAEV2CH1.....	B-26
YAES10K56.....	B-14	YAEV10BOX.....	B-24	YAEV2CH2.....	B-26
YAES10K57.....	B-14	YAEV10L36.....	B-24	YAEV2CH3.....	B-26
YAES10K58.....	B-14	YAEV10L36BOX.....	B-24	YAEV2CH4.....	B-26
YAES10N11.....	B-9	YAEV10T11.....	B-24	YAEV2CL.....	B-25
YAES10N11F.....	B-34	YAEV10T11BOX.....	B-24	YAEV2CL1.....	B-25
YAES10N12.....	B-9	YAEV10T2.....	B-24	YAEV2CL1BOX.....	B-25
YAES10N12F.....	B-34	YAEV10T2BOX.....	B-24	YAEV2CL2.....	B-25
YAES10N13.....	B-9	YAEV10T3.....	B-24	YAEV2CL2BOX.....	B-25
YAES10N14.....	B-9	YAEV10T3BOX.....	B-24	YAEV2CL3.....	B-25
YAES10N56.....	B-9	YAEV10T4.....	B-24	YAEV2CL3BOX.....	B-25
YAES10N56F.....	B-34	YAEV10T4BOX.....	B-24	YAEV2CL4.....	B-25
YAES10N57.....	B-9	YAEV10T7.....	B-24	YAEV2CLBOX.....	B-25
YAES10N57F.....	B-34	YAEV10T7BOX.....	B-24	YAEV2CRS.....	B-29
YAES10N58.....	B-9	YAEV14.....	B-24	YAEV2CRS1.....	B-29
YAES14K10.....	B-14	YAEV14BOX.....	B-24	YAEV4CH.....	B-26
YAES14K53.....	B-14	YAEV18.....	B-24	YAEV4CH2.....	B-26
YAES14K54.....	B-14	YAEV18BOX.....	B-24	YAEV4CH3.....	B-26
YAES14K6.....	B-14	YAEV1CH.....	B-26	YAEV4CH4.....	B-26
YAES14K7.....	B-14	YAEV1CH1.....	B-26	YAEV4CH5.....	B-26
YAES14K8.....	B-14	YAEV1CH2.....	B-26	YAEV4CL.....	B-25
YAES14K9.....	B-14	YAEV1CH3.....	B-26	YAEV4CL2.....	B-25
YAES14N10.....	B-9	YAEV1CL.....	B-25	YAEV4CL3.....	B-25
YAES14N52.....	B-9	YAEV1CL1.....	B-25	YAEV4CL3BOX.....	B-25
YAES14N53.....	B-9	YAEV1CL2.....	B-25	YAEV4CL4.....	B-25
YAES14N53F.....	B-34	YAEV1CL3.....	B-25	YAEV4CL4BOX.....	B-25
YAES14N54.....	B-9	YAEV1CLBOX.....	B-25	YAEV4CL5.....	B-25
YAES14N54F.....	B-34	YAEV1CRS.....	B-29	YAEV4CLBOX.....	B-25
YAES14N6.....	B-9	YAEV1CRS2.....	B-29	YAEV4CRS.....	B-29
YAES14N6F.....	B-34	YAEV25H.....	B-27	YAEV4CRS2.....	B-29
YAES14N7.....	B-9	YAEV25H1.....	B-27	YAEV6CH.....	B-26
YAES14N8.....	B-9	YAEV25H2.....	B-27	YAEV6CH1.....	B-26
YAES14N8F.....	B-34	YAEV25H3.....	B-27	YAEV6CH10.....	B-26
YAES14N9.....	B-9	YAEV25H4.....	B-27	YAEV6CH2.....	B-26
YAES18K1.....	B-14	YAEV25L.....	B-25	YAEV6CH4.....	B-26
YAES18K2.....	B-14	YAEV25L1.....	B-25	YAEV6CL.....	B-25
YAES18K3.....	B-14	YAEV25L2.....	B-25	YAEV6CL1.....	B-25
YAES18K4.....	B-14	YAEV25L3.....	B-25	YAEV6CL10.....	B-25
YAES18K49.....	B-14	YAEV25L4.....	B-25	YAEV6CL10BOX.....	B-25
YAES18K5.....	B-14	YAEV25RS.....	B-29	YAEV6CL1BOX.....	B-25
YAES18K50.....	B-14	YAEV26H.....	B-27	YAEV6CL2.....	B-25
YAES18N1.....	B-9	YAEV26H1.....	B-27	YAEV6CL4.....	B-25
YAES18N1F.....	B-34	YAEV26H12.....	B-27	YAEV6CL4BOX.....	B-25
YAES18N2.....	B-9	YAEV26H2.....	B-27	YAEV6CLBOX.....	B-25

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAEV6CRS.....	B-29	YAG28L2TC516FXTZ.....	C-88	YAG38L2NTCFXTZ.....	C-89
YAEV6CRS1.....	B-29	YAG28LTC12FX.....	C-57	YAG38L2TC12FXTZ.....	C-89
YAEV8CH.....	B-26	YAG28LTC12FXTZ.....	C-86	YAG38LTC12FX.....	C-58
YAEV8CH1.....	B-26	YAG28LTC14FX.....	C-57	YAG38LTC38FX.....	C-58
YAEV8CH14.....	B-26	YAG28LTC14FXTZ.....	C-86	YAG38LTC516FX.....	C-58
YAEV8CH2.....	B-26	YAG28LTC38FX.....	C-57	YAG38LTC58FXTZ.....	C-86
YAEV8CH3.....	B-26	YAG28LTC38FXTZ.....	C-86	YAG40L2NNTFXTZ.....	C-89
YAEV8CH4.....	B-26	YAG28LTC516FX.....	C-57	YAG40LTC12FX.....	C-58
YAEV8CL.....	B-25	YAG28LTC516FXTZ.....	C-86	YAG40LTC12FXTZ.....	C-86
YAEV8CL1.....	B-25	YAG28LTC516N66FXTZ.....	C-86	YAG40LTC14FX.....	C-58
YAEV8CL14.....	B-25	YAG28LTC58FXTZ.....	C-86	YAG40LTC38FX.....	C-58
YAEV8CL14BOX.....	B-25	YAG29L2NT38FX90TZ.....	C-89	YAG40LTC516FX.....	C-58
YAEV8CL1BOX.....	B-25	YAG29L2NT38FXTZ.....	C-89	YAG44L2NTCFXTZ.....	C-89
YAEV8CL2.....	B-25	YAG29L2NTCFXTZ.....	C-89	YAG44L2TC38FXTZ.....	C-89
YAEV8CL2BOX.....	B-25	YAG29L2TC38FXTZ.....	C-89	YAG44LTC12FX.....	C-58
YAEV8CL3.....	B-25	YAG29LTC12FX.....	C-58	YAG44LTC38FX.....	C-58
YAEV8CL3BOX.....	B-25	YAG29LTC38FX.....	C-58	YAG44LTC516FX.....	C-58
YAEV8CL4.....	B-25	YAG29LTC38FXTZ.....	C-86	YAG4CL2TC14FXTZ.....	C-88
YAEV8CL4BOX.....	B-25	YAG29LTC516FXTZ.....	C-86	YAG4CLTC12FX.....	C-57
YAEV8CLBOX.....	B-25	YAG29LTC58FX.....	C-58	YAG4CLTC14FX.....	C-57
YAEV8CRS.....	B-29	YAG2CL2NTCFXTZ.....	C-88	YAG4CLTC14FXTZ.....	C-85
YAEV8CRS1.....	B-29	YAG2CL2TC14FXTZ.....	C-88	YAG4CLTC38FX.....	C-57
YAG1CLTC12FX.....	C-57	YAG2CLTC12FX.....	C-57	YAG4CLTC38FXTZ.....	C-85
YAG1CLTC14FX.....	C-57	YAG2CLTC12FXTZ.....	C-85	YAG4CLTC516FX.....	C-57
YAG1CLTC38FX.....	C-57	YAG2CLTC14FX.....	C-57	YAG4CLTC516FXTZ.....	C-85
YAG1CLTC516FX.....	C-57	YAG2CLTC14FXTZ.....	C-85	YAG6CL2TC14FXTZ.....	C-88
YAG1CLTC516FXTZ.....	C-85	YAG2CLTC38FX.....	C-57	YAG6CLTC12FX.....	C-57
YAG25LTC12FX.....	C-57	YAG2CLTC38FXTZ.....	C-85	YAG6CLTC12FXTZ.....	C-85
YAG25LTC12FXTZ.....	C-85	YAG2CLTC516FX.....	C-57	YAG6CLTC14FX.....	C-57
YAG25LTC14FX.....	C-57	YAG2CLTC516FXTZ.....	C-85	YAG6CLTC14FXTZ.....	C-85
YAG25LTC38FX.....	C-57	YAG30LTC12FX.....	C-58	YAG6CLTC38FX.....	C-57
YAG25LTC38FXTZ.....	C-85	YAG30LTC38FX.....	C-58	YAG6CLTC38FXTZ.....	C-85
YAG25LTC516FX.....	C-57	YAG30LTC58FX.....	C-58	YAG6CLTC516FX.....	C-57
YAG26L2NTCFXTZ.....	C-88	YAG31L2NTC38FXTZ.....	C-89	YAG6CLTC516FXTZ.....	C-85
YAG26LTC12FX.....	C-57	YAG31LTC12FX.....	C-58	YAG8CL2TC14E1FXTZ.....	C-88
YAG26LTC12FXTZ.....	C-85	YAG31LTC14FX.....	C-58	YAG8CL2TC14FXTZ.....	C-88
YAG26LTC14FX.....	C-57	YAG31LTC38FX.....	C-58	YAG8CLTC12FX.....	C-57
YAG26LTC38FX.....	C-57	YAG31LTC516FX.....	C-58	YAG8CLTC14FX.....	C-57
YAG26LTC38FXTZ.....	C-85	YAG31LTC58FX.....	C-58	YAG8CLTC14FXTZ.....	C-85
YAG26LTC516FX.....	C-57	YAG32LTC12FX.....	C-58	YAG8CLTC38FXTZ.....	C-85
YAG26LTC516FXTZ.....	C-85	YAG32LTC58FX.....	C-58	YAG8CLTC516FX.....	C-57
YAG27L2NTCFXTZ.....	C-88	YAG32LTC58FXTZ.....	C-86	YAGB25LTC12FX.....	C-206
YAG27LTC12FX.....	C-57	YAG34L2NTCFXTZ.....	C-89	YAGB25LTC12FXOEM.....	C-206
YAG27LTC12FXTZ.....	C-85	YAG34L2TC38FXTZ.....	C-89	YAGB25LTC14FX.....	C-206
YAG27LTC14FX.....	C-57	YAG34LTC12FX.....	C-58	YAGB25LTC14FXOEM.....	C-206
YAG27LTC14FXTZ.....	C-85	YAG34LTC12FXTZ.....	C-86	YAGB25LTC38FX.....	C-206
YAG27LTC38FX.....	C-57	YAG34LTC38FX.....	C-58	YAGB25LTC38FXOEM.....	C-206
YAG27LTC38FXTZ.....	C-85	YAG34LTC38FXTZ.....	C-86	YAGB25LTC516FX.....	C-206
YAG27LTC516FX.....	C-57	YAG34LTC516FX.....	C-58	YAGB25LTC516FXOEM.....	C-206
YAG28L2NT38FXTZ.....	C-88	YAG34LTC516FXTZ.....	C-86	YAGB26LTC12FX.....	C-206
YAG28L2NTCFXTZ.....	C-88	YAG34LTC516N66FXTZ.....	C-86	YAGB26LTC12FXOEM.....	C-206
YAG28L2TC38FXDTTZ.....	C-88	YAG34LTC58FX.....	C-58	YAGB26LTC14FX.....	C-206
YAG28L2TC38FXTZ.....	C-88	YAG36LTC38FX.....	C-58	YAGB26LTC14FXOEM.....	C-206

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAGB26LTC38FX.....	C-206	YAK311A2G2	H-81	YALB150F2M10.....	C-128
YAGB26LTC38FXOEM.....	C-206	YAK31A2G1	H-81	YALB150F2M12.....	C-128
YAGB26LTC516FX.....	C-206	YAK31A2G2	H-81	YALB150F2M14.....	C-128
YAGB26LTC516FXOEM.....	C-206	YAK34A2G1	H-81	YALB150F2M16.....	C-128
YAGB28LTC12FX.....	C-206	YAK34A2G2	H-81	YALB150F2M20.....	C-128
YAGB28LTC12FXOEM.....	C-206	YAK361A2G1.....	H-81	YALB150F2M8.....	C-128
YAGB28LTC14FX.....	C-206	YAK361A2G2.....	H-81	YALB150FM10.....	C-122
YAGB28LTC14FXOEM.....	C-206	YAK39A2G1.....	H-81	YALB150FM12.....	C-122
YAGB28LTC38FX.....	C-206	YAK39A2G2.....	H-81	YALB150FM14.....	C-122
YAGB28LTC38FXOEM.....	C-206	YAK44A2NG7.....	H-81	YALB150FM16.....	C-122
YAGB28LTC516FX.....	C-206	YAK44A2NG8.....	H-81	YALB150FM20.....	C-122
YAGB28LTC516FXOEM.....	C-206	YALB102M10.....	C-115	YALB150FM8.....	C-122
YAGB2CLTC10FX.....	C-206	YALB102M12.....	C-115	YALB150M10.....	C-110
YAGB2CLTC10FXOEM.....	C-206	YALB102M4.....	C-115	YALB150M12.....	C-110
YAGB2CLTC12FX.....	C-206	YALB102M5.....	C-115	YALB150M14.....	C-110
YAGB2CLTC12FXOEM.....	C-206	YALB102M6.....	C-115	YALB150M16.....	C-110
YAGB2CLTC14FX.....	C-206	YALB102M8.....	C-115	YALB150M20.....	C-110
YAGB2CLTC14FXOEM.....	C-206	YALB10M10.....	C-109	YALB150M8.....	C-110
YAGB2CLTC38FX.....	C-206	YALB10M12.....	C-109	YALB162M10.....	C-115
YAGB2CLTC38FXOEM.....	C-206	YALB10M4.....	C-109	YALB162M12.....	C-115
YAGB2CLTC516FX.....	C-206	YALB10M5.....	C-109	YALB162M4.....	C-115
YAGB2CLTC516FXOEM.....	C-206	YALB10M6.....	C-109	YALB162M5.....	C-115
YAGB4CLTC10FX.....	C-206	YALB10M8.....	C-109	YALB162M6.....	C-115
YAGB4CLTC10FXOEM.....	C-206	YALB1202M10.....	C-116	YALB162M8.....	C-115
YAGB4CLTC12FX.....	C-206	YALB1202M12.....	C-116	YALB16M10.....	C-109
YAGB4CLTC12FXOEM.....	C-206	YALB1202M14.....	C-116	YALB16M12.....	C-109
YAGB4CLTC14FX.....	C-206	YALB1202M16.....	C-116	YALB16M4.....	C-109
YAGB4CLTC14FXOEM.....	C-206	YALB1202M20.....	C-116	YALB16M5.....	C-109
YAGB4CLTC38FX.....	C-206	YALB1202M8.....	C-116	YALB16M6.....	C-109
YAGB4CLTC38FXOEM.....	C-206	YALB120F2M10.....	C-128	YALB16M8.....	C-109
YAGB4CLTC516FX.....	C-206	YALB120F2M12.....	C-128	YALB1852M10.....	C-116
YAGB4CLTC516FXOEM.....	C-206	YALB120F2M14.....	C-128	YALB1852M12.....	C-116
YAGB6CLTC10FX.....	C-206	YALB120F2M16.....	C-128	YALB1852M14.....	C-116
YAGB6CLTC10FXOEM.....	C-206	YALB120F2M20.....	C-128	YALB1852M16.....	C-116
YAGB6CLTC12FX.....	C-206	YALB120F2M8.....	C-128	YALB1852M20.....	C-116
YAGB6CLTC12FXOEM.....	C-206	YALB120FM10.....	C-122	YALB1852M8.....	C-116
YAGB6CLTC14FX.....	C-206	YALB120FM12.....	C-122	YALB185F2M10.....	C-129
YAGB6CLTC14FXOEM.....	C-206	YALB120FM14.....	C-122	YALB185F2M12.....	C-129
YAGB6CLTC38FX.....	C-206	YALB120FM16.....	C-122	YALB185F2M14.....	C-129
YAGB6CLTC38FXOEM.....	C-206	YALB120FM20.....	C-122	YALB185F2M16.....	C-129
YAGB6CLTC516FX.....	C-206	YALB120FM8.....	C-122	YALB185F2M20.....	C-129
YAGB6CLTC516FXOEM.....	C-206	YALB120M10.....	C-110	YALB185F2M8.....	C-129
YAIT1210Y.....	B-72	YALB120M12.....	C-110	YALB185FM10.....	C-123
YAIT1814B.....	B-72	YALB120M14.....	C-110	YALB185FM12.....	C-123
YAIT2218R.....	B-72	YALB120M16.....	C-110	YALB185FM14.....	C-123
YAK25A2G1.....	H-81	YALB120M20.....	C-110	YALB185FM16.....	C-123
YAK25A2G2.....	H-81	YALB120M8.....	C-110	YALB185FM20.....	C-123
YAK28A2G1.....	H-81	YALB1502M10.....	C-116	YALB185FM8.....	C-123
YAK28A2G2.....	H-81	YALB1502M12.....	C-116	YALB185M10.....	C-110
YAK29A2G1.....	H-81	YALB1502M14.....	C-116	YALB185M12.....	C-110
YAK2CA2G1.....	H-81	YALB1502M16.....	C-116	YALB185M14.....	C-110
YAK2CA2G2.....	H-81	YALB1502M20.....	C-116	YALB185M16.....	C-110
YAK311A2G1.....	H-81	YALB1502M8.....	C-116	YALB185M20.....	C-110

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YALB185M8.....	C-110	YALB352M5.....	C-115	YALB50FM8.....	C-122
YALB2402M10.....	C-117	YALB352M6.....	C-115	YALB50M10.....	C-109
YALB2402M12.....	C-117	YALB352M8.....	C-115	YALB50M12.....	C-109
YALB2402M14.....	C-117	YALB35M10.....	C-109	YALB50M14.....	C-109
YALB2402M16.....	C-117	YALB35M12.....	C-109	YALB50M16.....	C-109
YALB2402M20.....	C-117	YALB35M5.....	C-109	YALB50M6.....	C-109
YALB240F2M10.....	C-129	YALB35M6.....	C-109	YALB50M8.....	C-109
YALB240F2M12.....	C-129	YALB35M8.....	C-109	YALB6302M12.....	C-117
YALB240F2M14.....	C-129	YALB4002M12.....	C-117	YALB6302M16.....	C-117
YALB240F2M16.....	C-129	YALB4002M14.....	C-117	YALB6302M20.....	C-117
YALB240F2M20.....	C-129	YALB4002M16.....	C-117	YALB630F2M12.....	C-129
YALB240FM10.....	C-123	YALB4002M20.....	C-117	YALB630F2M16.....	C-129
YALB240FM12.....	C-123	YALB400F2M12.....	C-129	YALB630F2M20.....	C-129
YALB240FM14.....	C-123	YALB400F2M14.....	C-129	YALB630FM12.....	C-123
YALB240FM16.....	C-123	YALB400F2M16.....	C-129	YALB630FM16.....	C-123
YALB240FM20.....	C-123	YALB400F2M20.....	C-129	YALB630FM20.....	C-123
YALB240M10.....	C-110	YALB400FM12.....	C-123	YALB630M12.....	C-110
YALB240M12.....	C-110	YALB400FM14.....	C-123	YALB630M16.....	C-110
YALB240M14.....	C-110	YALB400FM16.....	C-123	YALB630M20.....	C-110
YALB240M16.....	C-110	YALB400FM20.....	C-123	YALB702M10.....	C-116
YALB240M20.....	C-110	YALB400M12.....	C-110	YALB702M12.....	C-116
YALB252M10.....	C-115	YALB400M14.....	C-110	YALB702M14.....	C-116
YALB252M12.....	C-115	YALB400M16.....	C-110	YALB702M16.....	C-116
YALB252M5.....	C-115	YALB400M20.....	C-110	YALB702M6.....	C-116
YALB252M6.....	C-115	YALB5002M12.....	C-117	YALB702M8.....	C-116
YALB252M8.....	C-115	YALB5002M16.....	C-117	YALB70F2M10.....	C-128
YALB25M10.....	C-109	YALB5002M20.....	C-117	YALB70F2M12.....	C-128
YALB25M12.....	C-109	YALB500F2M12.....	C-129	YALB70F2M14.....	C-128
YALB25M5.....	C-109	YALB500F2M16.....	C-129	YALB70F2M16.....	C-128
YALB25M6.....	C-109	YALB500F2M20.....	C-129	YALB70F2M6.....	C-128
YALB25M8.....	C-109	YALB500FM12.....	C-123	YALB70F2M8.....	C-128
YALB3002M10.....	C-117	YALB500FM16.....	C-123	YALB70FM10.....	C-122
YALB3002M12.....	C-117	YALB500FM20.....	C-123	YALB70FM12.....	C-122
YALB3002M14.....	C-117	YALB500M12.....	C-110	YALB70FM14.....	C-122
YALB3002M16.....	C-117	YALB500M16.....	C-110	YALB70FM16.....	C-122
YALB3002M20.....	C-117	YALB500M20.....	C-110	YALB70FM6.....	C-122
YALB300F2M10.....	C-129	YALB502M10.....	C-115	YALB70FM8.....	C-122
YALB300F2M12.....	C-129	YALB502M12.....	C-115	YALB70M10.....	C-109
YALB300F2M14.....	C-129	YALB502M14.....	C-115	YALB70M12.....	C-109
YALB300F2M16.....	C-129	YALB502M16.....	C-115	YALB70M14.....	C-109
YALB300F2M20.....	C-129	YALB502M6.....	C-115	YALB70M16.....	C-109
YALB300FM10.....	C-123	YALB502M8.....	C-115	YALB70M6.....	C-109
YALB300FM12.....	C-123	YALB50F2M10.....	C-128	YALB70M8.....	C-109
YALB300FM14.....	C-123	YALB50F2M12.....	C-128	YALB952M10.....	C-116
YALB300FM16.....	C-123	YALB50F2M14.....	C-128	YALB952M12.....	C-116
YALB300FM20.....	C-123	YALB50F2M16.....	C-128	YALB952M14.....	C-116
YALB300M10.....	C-110	YALB50F2M6.....	C-128	YALB952M16.....	C-116
YALB300M12.....	C-110	YALB50F2M8.....	C-128	YALB952M20.....	C-116
YALB300M14.....	C-110	YALB50FM10.....	C-122	YALB952M8.....	C-116
YALB300M16.....	C-110	YALB50FM12.....	C-122	YALB95F2M10.....	C-128
YALB300M20.....	C-110	YALB50FM14.....	C-122	YALB95F2M12.....	C-128
YALB352M10.....	C-115	YALB50FM16.....	C-122	YALB95F2M14.....	C-128
YALB352M12.....	C-115	YALB50FM6.....	C-122	YALB95F2M16.....	C-128

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YALB95F2M20	C-128	YAV1027090.....	B-16	YAV1202M8.....	C-113
YALB95F2M8.....	C-128	YAV102M10.....	C-112	YAV120F2M10.....	C-125
YALB95FM10.....	C-122	YAV102M12.....	C-112	YAV120F2M12.....	C-125
YALB95FM12.....	C-122	YAV102M4.....	C-112	YAV120F2M14.....	C-125
YALB95FM14.....	C-122	YAV102M5.....	C-112	YAV120F2M16.....	C-125
YALB95FM16.....	C-122	YAV102M6.....	C-112	YAV120F2M20.....	C-125
YALB95FM20.....	C-122	YAV102M8.....	C-112	YAV120F2M8.....	C-125
YALB95FM8.....	C-122	YAV102TC10.....	C-30	YAV120FM10.....	C-119
YALB95M10.....	C-109	YAV102TC1090SL.....	C-97	YAV120FM12.....	C-119
YALB95M12.....	C-109	YAV102TC10E2.....	C-30	YAV120FM14.....	C-119
YALB95M14.....	C-109	YAV102TC14.....	C-30	YAV120FM16.....	C-119
YALB95M16.....	C-109	YAV102TC14E1.....	C-30	YAV120FM20.....	C-119
YALB95M20.....	C-109	YAV102TC14E2.....	C-30	YAV120FM8.....	C-119
YALB95M8.....	C-109	YAV102TC38.....	C-30	YAV120M10.....	C-106
YAV0252M3.....	C-112	YAV10BOX.....	B-20, C-14	YAV120M12.....	C-106
YAV0252M4.....	C-112	YAV10H.....	B-23	YAV120M14.....	C-106
YAV0252M5.....	C-112	YAV10H25.....	B-23	YAV120M16.....	C-106
YAV0252M6.....	C-112	YAV10H25BOX.....	B-23	YAV120M20.....	C-106
YAV0252M8.....	C-112	YAV10H3.....	B-23	YAV120M6.....	C-106
YAV025M3.....	C-105	YAV10H3BOX.....	B-23	YAV120M8.....	C-106
YAV025M4.....	C-105	YAV10HBOX.....	B-23	YAV12G2.....	B-20
YAV025M5.....	C-105	YAV10HF.....	B-46	YAV12G2BOX.....	B-20
YAV025M6.....	C-105	YAV10HFBOX.....	B-46	YAV12G3.....	B-20
YAV025M8.....	C-105	YAV10L36.....	B-20	YAV12G3BOX.....	B-20
YAV062M10.....	C-112	YAV10L36BOX.....	B-20	YAV14.....	B-20
YAV062M4.....	C-112	YAV10M10.....	C-105	YAV14BOX.....	B-20
YAV062M5.....	C-112	YAV10M12.....	C-105	YAV14H.....	B-23
YAV062M6.....	C-112	YAV10M4.....	C-105	YAV14H1.....	B-23
YAV062M8.....	C-112	YAV10M5.....	C-105	YAV14H1BOX.....	B-23
YAV06M10.....	C-105	YAV10M6.....	C-105	YAV14H2.....	B-23
YAV06M35.....	C-105	YAV10M8.....	C-105	YAV14H2BOX.....	B-23
YAV06M4.....	C-105	YAV10R.....	B-28	YAV14H32F.....	B-46
YAV06M5.....	C-105	YAV10R3BOX.....	B-28, C-14	YAV14H32FBOX.....	B-46
YAV06M6.....	C-105	YAV10RBOX.....	C-14	YAV14H34F.....	B-46
YAV06M8.....	C-105	YAV10T11.....	B-20	YAV14H34FBOX.....	B-46
YAV10.....	B-20	YAV10T11BOX.....	B-20	YAV14H56F.....	B-46
YAV10205.....	B-16	YAV10T2.....	B-20	YAV14H56FBOX.....	B-46
YAV1020545.....	B-16	YAV10T21F.....	B-32	YAV14HBOX.....	B-23
YAV1020590.....	B-16	YAV10T21FBOX.....	B-32	YAV14HF.....	B-46
YAV10206.....	B-16	YAV10T23F.....	B-32	YAV14HFBOX.....	B-46
YAV1020645.....	B-16	YAV10T23FBOX.....	B-32	YAV14L33.....	B-20
YAV1020690.....	B-16	YAV10T2BOX.....	B-20, C-14	YAV14L33BOX.....	B-20
YAV10228.....	B-16	YAV10T3.....	B-20	YAV14L36.....	B-20
YAV1022845.....	B-16	YAV10T3BOX.....	B-20, C-14	YAV14L36BOX.....	B-20
YAV1022890.....	B-16	YAV10T4.....	B-20	YAV14R.....	B-28
YAV10265.....	B-16	YAV10T4BOX.....	B-20, C-14	YAV14RL33.....	B-28
YAV1026545.....	B-16	YAV10T7.....	B-20	YAV14T1.....	B-20
YAV1026590.....	B-16	YAV10T7BOX.....	B-20	YAV14T1BOX.....	B-20
YAV10266.....	B-16	YAV1202M10.....	C-113	YAV14T2.....	B-20
YAV1026645.....	B-16	YAV1202M12.....	C-113	YAV14T2BOX.....	B-20
YAV1026690.....	B-16	YAV1202M14.....	C-113	YAV14T3.....	B-20
YAV10270.....	B-16	YAV1202M16.....	C-113	YAV14T32F.....	B-32
YAV1027045.....	B-16	YAV1202M20.....	C-113	YAV14T32FBOX.....	B-32

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV14T34F	B-32	YAV185F2M12	C-125	YAV1CL23490.....	B-18
YAV14T34FBOX	B-32	YAV185F2M14	C-125	YAV1CL24590.....	B-17
YAV14T3BOX.....	B-20	YAV185F2M16	C-125	YAV1CL249	B-17
YAV14T5	B-20	YAV185F2M20	C-125	YAV1CL24945.....	B-17
YAV14T5BOX.....	B-20	YAV185F2M8	C-125	YAV1CL250	B-18
YAV14Z5	B-46	YAV185FM10.....	C-120	YAV1CL25045.....	B-18
YAV14Z5BOX.....	B-46	YAV185FM12.....	C-120	YAV1CL25090.....	B-18
YAV14Z6	B-46	YAV185FM14.....	C-120	YAV1CL2BOX	B-22
YAV14Z6BOX.....	B-46	YAV185FM16.....	C-120	YAV1CL2NT14FX	C-72
YAV1502M10.....	C-113	YAV185FM20.....	C-120	YAV1CL2NT516FX	C-72
YAV1502M12.....	C-113	YAV185FM8	C-120	YAV1CL2NTCFX	C-68
YAV1502M14.....	C-113	YAV185M10.....	C-106	YAV1CL2TC14E1FX	C-68
YAV1502M16.....	C-113	YAV185M12.....	C-106	YAV1CL2TC14E2FX	C-68
YAV1502M20	C-113	YAV185M14.....	C-106	YAV1CL2TC14FX	C-68
YAV1502M8.....	C-113	YAV185M16.....	C-106	YAV1CL2TC38FX	C-68
YAV150F2M10	C-125	YAV185M20.....	C-106	YAV1CL2TC516FX	C-68
YAV150F2M12	C-125	YAV185M8	C-106	YAV1CL3	B-22
YAV150F2M14	C-125	YAV18BOX	B-20	YAV1CL3BOX	B-22
YAV150F2M16	C-125	YAV18H	B-23	YAV1CLBOX	B-22
YAV150F2M20	C-125	YAV18H19F	B-46	YAV1CLTC10FX	C-50
YAV150F2M8	C-125	YAV18H19FBOX	B-46	YAV1CLTC12FX	C-50
YAV150FM10	C-119	YAV18H21F	B-46	YAV1CLTC14FX	C-50
YAV150FM12.....	C-119	YAV18H21FBOX	B-46	YAV1CLTC38FX	C-50
YAV150FM14.....	C-119	YAV18H6F	B-46	YAV1CLTC516FX.....	C-50
YAV150FM16.....	C-119	YAV18H6FBOX.....	B-46	YAV1CRS1	B-28
YAV150FM20.....	C-119	YAV18HBOX	B-23	YAV1CRS2	B-28
YAV150FM8	C-119	YAV18L33.....	B-20	YAV1CTC10FXB.....	C-65
YAV150M10.....	C-106	YAV18L33BOX.....	B-20	YAV1CTC516FXB.....	C-65
YAV150M12.....	C-106	YAV18R	B-28	YAV2402M10.....	C-113
YAV150M14.....	C-106	YAV18T1	B-20	YAV2402M12.....	C-113
YAV150M16.....	C-106	YAV18T19F.....	B-32	YAV2402M14.....	C-113
YAV150M20.....	C-106	YAV18T19FBOX.....	B-32	YAV2402M16.....	C-113
YAV150M8.....	C-106	YAV18T1BOX	B-20	YAV2402M20	C-113
YAV162M10.....	C-112	YAV18T21F.....	B-32	YAV240F2M10	C-126
YAV162M12.....	C-112	YAV18T21FBOX.....	B-32	YAV240F2M12	C-126
YAV162M4.....	C-112	YAV18T4	B-20	YAV240F2M14	C-126
YAV162M5.....	C-112	YAV18T4BOX	B-20	YAV240F2M16	C-126
YAV162M6.....	C-112	YAV18T5	B-20	YAV240F2M20	C-126
YAV162M8.....	C-112	YAV18T5BOX.....	B-20	YAV240FM10	C-120
YAV16M10.....	C-105	YAV1C2NFXB.....	C-79	YAV240FM12	C-120
YAV16M12.....	C-105	YAV1C2TC38FXB	C-79	YAV240FM14	C-120
YAV16M4.....	C-105	YAV1CL	B-22	YAV240FM16	C-120
YAV16M5.....	C-105	YAV1CL1	B-22	YAV240FM20.....	C-120
YAV16M6.....	C-105	YAV1CL1BOX.....	B-22	YAV240M10.....	C-106
YAV16M8.....	C-105	YAV1CL2	B-22	YAV240M12.....	C-106
YAV18	B-20	YAV1CL215	B-17	YAV240M14.....	C-106
YAV1852M10.....	C-113	YAV1CL21545.....	B-17	YAV240M16.....	C-106
YAV1852M12.....	C-113	YAV1CL21590.....	B-17	YAV240M20	C-106
YAV1852M14.....	C-113	YAV1CL216	B-18	YAV252M10.....	C-112
YAV1852M16.....	C-113	YAV1CL21645.....	B-18	YAV252M12.....	C-112
YAV1852M20	C-113	YAV1CL21690.....	B-18	YAV252M5.....	C-112
YAV1852M8.....	C-113	YAV1CL234	B-18	YAV252M6	C-112
YAV185F2M10	C-125	YAV1CL23445.....	B-18	YAV252M8	C-112

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV252TC14E2FXB.....	C-79	YAV25TC10FXB.....	C-65	YAV26LTC516FX.....	C-50
YAV252TC14FXB.....	C-79	YAV25TC12FXB.....	C-65	YAV26LTC58FX.....	C-50
YAV252TC38FXB.....	C-79	YAV25TC38FXB.....	C-65	YAV26RS.....	B-28
YAV25L.....	B-22	YAV25TC516FXB.....	C-65	YAV26RS3.....	B-28
YAV25L1.....	B-22	YAV262NFXB.....	C-79	YAV26TC12FXB.....	C-65
YAV25L1BOX.....	B-22	YAV262NTC38FXB.....	C-79	YAV26TC38FXB.....	C-65
YAV25L2.....	B-22	YAV262TC14E2FXB.....	C-79	YAV272NFXB.....	C-80
YAV25L217.....	B-18	YAV262TC14FXB.....	C-79	YAV272TC14E2FXB.....	C-80
YAV25L21745.....	B-18	YAV262TC38FXB.....	C-79	YAV272TC38FXB.....	C-80
YAV25L21790.....	B-18	YAV26L.....	B-22	YAV27L.....	B-22
YAV25L218.....	B-18	YAV26L1.....	B-22	YAV27L1.....	B-22
YAV25L21845.....	B-18	YAV26L12.....	B-22	YAV27L15.....	B-22
YAV25L21890.....	B-18	YAV26L12BOX.....	B-22	YAV27L15BOX.....	B-22
YAV25L235.....	B-18	YAV26L1BOX.....	B-22	YAV27L1BOX.....	B-22
YAV25L23545.....	B-18	YAV26L2.....	B-22	YAV27L221.....	B-18
YAV25L23590.....	B-18	YAV26L219.....	B-18	YAV27L22145.....	B-18
YAV25L251.....	B-18	YAV26L21945.....	B-18	YAV27L22190.....	B-18
YAV25L25145.....	B-18	YAV26L21990.....	B-18	YAV27L222.....	B-19
YAV25L25190.....	B-18	YAV26L220.....	B-18	YAV27L22245.....	B-19
YAV25L252.....	B-18	YAV26L22045.....	B-18	YAV27L22290.....	B-19
YAV25L25245.....	B-18	YAV26L22090.....	B-18	YAV27L255.....	B-18
YAV25L25290.....	B-18	YAV26L236.....	B-18	YAV27L25545.....	B-18
YAV25L2BOX.....	B-22	YAV26L23645.....	B-18	YAV27L25590.....	B-18
YAV25L2NT14E1FX.....	C-72	YAV26L23690.....	B-18	YAV27L256.....	B-19
YAV25L2NT14FX.....	C-72	YAV26L253.....	B-18	YAV27L25645.....	B-19
YAV25L2NT516FX.....	C-72	YAV26L25345.....	B-18	YAV27L25690.....	B-19
YAV25L2NTCFX.....	C-68	YAV26L25390.....	B-18	YAV27L2NTCFX.....	C-69
YAV25L2TC12E1FX.....	C-68	YAV26L254.....	B-18	YAV27L2TC14FX.....	C-69
YAV25L2TC14E2FX.....	C-68	YAV26L25445.....	B-18	YAV27L2TC38FX.....	C-69
YAV25L2TC14FX.....	C-68	YAV26L25490.....	B-18	YAV27L4TC14FXG1.....	C-99
YAV25L2TC38FX.....	C-68	YAV26L2BOX.....	B-22	YAV27LBOX.....	B-22
YAV25L2TC516E2FX.....	C-68	YAV26L2NT14FX.....	C-72	YAV27LNT12FX.....	C-54
YAV25L2TC516FX.....	C-68	YAV26L2NT38FX.....	C-72	YAV27LTC10FX.....	C-51
YAV25L3.....	B-22	YAV26L2NT516FX.....	C-72	YAV27LTC12FX.....	C-51
YAV25L3BOX.....	B-22	YAV26L2NTCFX.....	C-69	YAV27LTC14FX.....	C-51
YAV25L4.....	B-22	YAV26L2TC12E1FX.....	C-69	YAV27LTC38FX.....	C-51
YAV25L4BOX.....	B-22	YAV26L2TC14E2FX.....	C-69	YAV27LTC516FX.....	C-51
YAV25L4TC14FXG1.....	C-99	YAV26L2TC14FX.....	C-69	YAV27RS.....	B-28
YAV25LBOX.....	B-22	YAV26L2TC38E10FX.....	C-69	YAV27TC12FXB.....	C-65
YAV25LNT14FX.....	C-54	YAV26L2TC38FX.....	C-69	YAV282NFXB.....	C-80
YAV25LNT38FX.....	C-54	YAV26L2TC516FX.....	C-69	YAV282NT38FXB.....	C-80
YAV25LNT516FX.....	C-54	YAV26L3.....	B-22	YAV282NTC38FXB.....	C-80
YAV25LTC12FX.....	C-50	YAV26L3BOX.....	B-22	YAV282TC14E2FXB.....	C-80
YAV25LTC14FX.....	C-50	YAV26L4TC14FXG1.....	C-99	YAV282TC38FXB.....	C-80
YAV25LTC38FX.....	C-50	YAV26LBOX.....	B-22	YAV28L.....	B-22
YAV25LTC516FX.....	C-50	YAV26LNT12FX.....	C-54	YAV28L12.....	B-22
YAV25M10.....	C-105	YAV26LNT38FX.....	C-54	YAV28L12BOX.....	B-22
YAV25M12.....	C-105	YAV26LNT516FX.....	C-54	YAV28L13.....	B-22
YAV25M5.....	C-105	YAV26LTC10FX.....	C-50	YAV28L13BOX.....	B-22
YAV25M6.....	C-105	YAV26LTC12FX.....	C-50	YAV28L14.....	B-22
YAV25M8.....	C-105	YAV26LTC14FX.....	C-50	YAV28L14BOX.....	B-22
YAV25RS.....	B-28	YAV26LTC34FX.....	C-50	YAV28L223.....	B-19
YAV25RS3.....	B-28	YAV26LTC38FX.....	C-50	YAV28L22345.....	B-19

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV28L22390.....	B-19	YAV29L2TC12FX.....	C-69	YAV2CL4TC14FXG1	C-99
YAV28L224	B-19	YAV29L2TC14E2FX.....	C-69	YAV2CLBOX	B-21
YAV28L22445	B-19	YAV29L2TC14FX.....	C-69	YAV2CLNT14FX	C-54
YAV28L22490	B-19	YAV29L2TC38FX.....	C-69	YAV2CLNT516FX	C-54
YAV28L237	B-19	YAV29L2TC516FX	C-69	YAV2CLTC10FX	C-50
YAV28L23745	B-19	YAV29LTC12FX	C-51	YAV2CLTC12FX	C-50
YAV28L23790	B-19	YAV29LTC14FX	C-51	YAV2CLTC14FX.....	C-50
YAV28L257	B-19	YAV29LTC34FX.....	C-51	YAV2CLTC38FX	C-50
YAV28L25745	B-19	YAV29LTC38FX.....	C-51	YAV2CLTC516FX	C-50
YAV28L25790	B-19	YAV29LTC516FX.....	C-51	YAV2CRS	B-28
YAV28L258	B-19	YAV29LTC58FX.....	C-51	YAV2CRS1	B-28
YAV28L25845	B-19	YAV2C2NFXB.....	C-79	YAV2CRS2	B-28
YAV28L25890	B-19	YAV2C2TC14E1FXB.....	C-79	YAV2CTC10FXB.....	C-65
YAV28L259	B-19	YAV2C2TC14E2FXB.....	C-79	YAV2CTC516FXB.....	C-65
YAV28L25945	B-19	YAV2C2TC14FXB.....	C-79	YAV3002M10	C-113
YAV28L25990	B-19	YAV2C2TC38FXB.....	C-79	YAV3002M12	C-113
YAV28L260	B-19	YAV2C2TC516FXB	C-79	YAV3002M14	C-113
YAV28L26045	B-19	YAV2CL	B-21	YAV3002M16	C-113
YAV28L26090	B-19	YAV2CL1.....	B-21	YAV3002M20	C-113
YAV28L2ENT14FX	C-72	YAV2CL1BOX.....	B-21	YAV300F2M10	C-126
YAV28L2NT38FX	C-72	YAV2CL2.....	B-21	YAV300F2M12	C-126
YAV28L2NTCFX.....	C-69	YAV2CL213.....	B-17	YAV300F2M14	C-126
YAV28L2TC12E1FX	C-69	YAV2CL21345.....	B-17	YAV300F2M16.....	C-126
YAV28L2TC12FX.....	C-69	YAV2CL21390.....	B-17	YAV300F2M20.....	C-126
YAV28L2TC14E2FX.....	C-69	YAV2CL214.....	B-17	YAV300FM10.....	C-120
YAV28L2TC14FX.....	C-69	YAV2CL21445.....	B-17	YAV300FM12.....	C-120
YAV28L2TC38FX.....	C-69	YAV2CL21490.....	B-17	YAV300FM14.....	C-120
YAV28L2TC516FX	C-69	YAV2CL233.....	B-17	YAV300FM16.....	C-120
YAV28L4TC14FXG1.....	C-99	YAV2CL23345.....	B-17	YAV300FM20.....	C-120
YAV28L4TCG1.....	C-99	YAV2CL23390.....	B-17	YAV300M10	C-106
YAV28L53.....	B-22	YAV2CL246.....	B-17	YAV300M12	C-106
YAV28L53BOX	B-22	YAV2CL24645	B-17	YAV300M14	C-106
YAV28LBOX.....	B-22	YAV2CL24690	B-17	YAV300M16	C-106
YAV28LNT12FX.....	C-54	YAV2CL247	B-17	YAV300M20	C-106
YAV28LNT38FX	C-54	YAV2CL24745	B-17	YAV352M10.....	C-112
YAV28LNT516FX.....	C-54	YAV2CL24790.....	B-17	YAV352M12.....	C-112
YAV28LTC12FX	C-51	YAV2CL248.....	B-17	YAV352M5	C-112
YAV28LTC14FX	C-51	YAV2CL24845	B-17	YAV352M6	C-112
YAV28LTC34FX.....	C-51	YAV2CL24890	B-17	YAV352M8	C-112
YAV28LTC38FX.....	C-51	YAV2CL2BOX.....	B-21	YAV35M10.....	C-105
YAV28LTC516FX.....	C-51	YAV2CL2NT10FX.....	C-72	YAV35M12.....	C-105
YAV28LTC58FX.....	C-51	YAV2CL2NT14E1FX.....	C-72	YAV35M16.....	C-105
YAV28RS.....	B-28	YAV2CL2NT14FX.....	C-72	YAV35M5.....	C-105
YAV28TC12FXB	C-66	YAV2CL2NTCFX	C-68	YAV35M6	C-105
YAV28TC38FXB.....	C-66	YAV2CL2TC14E1FX.....	C-68	YAV35M8	C-105
YAV292NFXB	C-80	YAV2CL2TC14E2FX	C-68	YAV3C2NFXB.....	C-79
YAV292NT38FXB.....	C-80	YAV2CL2TC14FX	C-68	YAV4002M14.....	C-113
YAV292NTC38FXB.....	C-80	YAV2CL2TC14FXSL	C-93	YAV4002M16.....	C-113
YAV292TC14E2FXB	C-80	YAV2CL2TC38FX	C-68	YAV4002M20	C-113
YAV292TC38FXB.....	C-80	YAV2CL2TC38FXSL.....	C-93	YAV400F2M12	C-126
YAV29L2NT38FX	C-72	YAV2CL2TC516FX.....	C-68	YAV400F2M14	C-126
YAV29L2NTCFX.....	C-69	YAV2CL4	B-21	YAV400F2M16	C-126
YAV29L2TC12E1FX	C-69	YAV2CL4BOX	B-21	YAV400F2M20.....	C-126

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV400FM12	C-120	YAV4CLTC38FX	C-50	YAV630M12.....	C-107
YAV400FM14	C-120	YAV4CLTC516FX.....	C-50	YAV630M16.....	C-107
YAV400FM16	C-120	YAV4CRS	B-28	YAV630M20	C-107
YAV400FM20	C-120	YAV4CRS2	B-28	YAV6C2NFXB.....	C-79
YAV400M12.....	C-107	YAV4CRS3.....	B-28	YAV6C2TC14E2FXB.....	C-79
YAV400M14.....	C-107	YAV4CRS4.....	B-28	YAV6C2TC14FXB.....	C-79
YAV400M16.....	C-107	YAV4CTC10FXB.....	C-65	YAV6C2TC38FXB.....	C-79
YAV400M20	C-107	YAV4CTC14FXB.....	C-65	YAV6CL	B-21
YAV4C2NFXB.....	C-79	YAV4CTC516FXB.....	C-65	YAV6CL1.....	B-21
YAV4C2TC14E2FXB.....	C-79	YAV5002M16	C-113	YAV6CL10.....	B-21
YAV4C2TC14FXB.....	C-79	YAV5002M20.....	C-113	YAV6CL10BOX.....	B-21
YAV4C2TC38FXB.....	C-79	YAV500F2M12.....	C-126	YAV6CL1BOX.....	B-21
YAV4C2TC516FXB.....	C-79	YAV500F2M16.....	C-126	YAV6CL2.....	B-21
YAV4CL	B-21	YAV500F2M20.....	C-126	YAV6CL209.....	B-16
YAV4CL2	B-21	YAV500FM12.....	C-120	YAV6CL20945.....	B-16
YAV4CL211	B-17	YAV500FM16.....	C-120	YAV6CL20990.....	B-16
YAV4CL21145.....	B-17	YAV500FM20.....	C-120	YAV6CL210.....	B-17
YAV4CL21190.....	B-17	YAV500M12.....	C-107	YAV6CL21045.....	B-17
YAV4CL212	B-17	YAV500M16.....	C-107	YAV6CL21090.....	B-17
YAV4CL21245.....	B-17	YAV500M20	C-107	YAV6CL230.....	B-16
YAV4CL21290.....	B-17	YAV502M10.....	C-112	YAV6CL23045.....	B-16
YAV4CL232.....	B-17	YAV502M12.....	C-112	YAV6CL23090.....	B-16
YAV4CL23245.....	B-17	YAV502M14.....	C-112	YAV6CL23145.....	B-16
YAV4CL23290.....	B-17	YAV502M16.....	C-112	YAV6CL23190.....	B-16
YAV4CL244.....	B-17	YAV502M6	C-112	YAV6CL243.....	B-17
YAV4CL24445.....	B-17	YAV502M8	C-112	YAV6CL24345.....	B-17
YAV4CL24490.....	B-17	YAV50F2M10.....	C-125	YAV6CL24390.....	B-17
YAV4CL245.....	B-17	YAV50F2M12.....	C-125	YAV6CL2BOX.....	B-21
YAV4CL24545.....	B-17	YAV50F2M14.....	C-125	YAV6CL2NTCFX.....	C-68
YAV4CL24590.....	B-17	YAV50F2M16.....	C-125	YAV6CL2TC10E2FX.....	C-68
YAV4CL2BOX.....	B-21	YAV50F2M6.....	C-125	YAV6CL2TC10E4FX.....	C-68
YAV4CL2NT10E1FX.....	C-72	YAV50F2M8.....	C-125	YAV6CL2TC10E9FX.....	C-68
YAV4CL2NT10FX.....	C-72	YAV50FM10.....	C-119	YAV6CL2TC10FX.....	C-68
YAV4CL2NT14FX.....	C-72	YAV50FM12.....	C-119	YAV6CL2TC10FX90SL.....	C-93
YAV4CL2NTCFX.....	C-68	YAV50FM14.....	C-119	YAV6CL2TC14E1FX.....	C-68
YAV4CL2TC14E1FX.....	C-68	YAV50FM16.....	C-119	YAV6CL2TC14E2FX.....	C-68
YAV4CL2TC14E2FX.....	C-68	YAV50FM6.....	C-119	YAV6CL2TC14FX.....	C-68
YAV4CL2TC14FX.....	C-68	YAV50FM8.....	C-119	YAV6CL2TC38FX.....	C-68
YAV4CL2TC14FXSL.....	C-93	YAV50M10.....	C-105	YAV6CL2TC516FX.....	C-68
YAV4CL2TC38FX.....	C-68	YAV50M12.....	C-105	YAV6CL4.....	B-21
YAV4CL2TC38FXSL.....	C-93	YAV50M14.....	C-105	YAV6CL4BOX.....	B-21
YAV4CL2TC516FX.....	C-68	YAV50M16.....	C-105	YAV6CLBOX.....	B-21
YAV4CL3	B-21	YAV50M5.....	C-105	YAV6CLTC10FX.....	C-50
YAV4CL3BOX.....	B-21	YAV50M6	C-105	YAV6CLTC12FX.....	C-50
YAV4CL4	B-21	YAV50M8	C-105	YAV6CLTC14FX.....	C-50
YAV4CL4BOX.....	B-21	YAV6302M16.....	C-113	YAV6CLTC34FX.....	C-50
YAV4CL5.....	B-21	YAV6302M20.....	C-113	YAV6CLTC38FX.....	C-50
YAV4CL5BOX.....	B-21	YAV630F2M12.....	C-126	YAV6CLTC516FX.....	C-50
YAV4CLBOX.....	B-21	YAV630F2M16.....	C-126	YAV6CRS.....	B-28
YAV4CLNT10FX.....	C-54	YAV630F2M20.....	C-126	YAV6CRS1.....	B-28
YAV4CLTC10FX.....	C-50	YAV630FM12.....	C-120	YAV6CRS2.....	B-28
YAV4CLTC12FX.....	C-50	YAV630FM16.....	C-120	YAV6CRS4.....	B-28
YAV4CLTC14FX.....	C-50	YAV630FM20.....	C-120	YAV6CTC10FXB.....	C-65

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV6CTC14FXB.....	C-65	YAV8CLBOX.....	B-21	YAZ25TC12.....	C-27
YAV702M10.....	C-112	YAV8CRS.....	B-28	YAZ25TC14.....	C-27
YAV702M12.....	C-112	YAV8CRS1.....	B-28	YAZ25TC38.....	C-27
YAV702M14.....	C-112	YAV8CRS3.....	B-28	YAZ25TC516.....	C-27
YAV702M16.....	C-112	YAV952M10.....	C-113	YAZ262N.....	C-45
YAV702M6.....	C-112	YAV952M12.....	C-113	YAZ262TC14.....	C-45
YAV702M8.....	C-112	YAV952M14.....	C-113	YAZ262TC14E1.....	C-45
YAV70F2M10.....	C-125	YAV952M16.....	C-113	YAZ262TC14E2.....	C-45
YAV70F2M12.....	C-125	YAV952M20.....	C-113	YAZ262TC38.....	C-45
YAV70F2M14.....	C-125	YAV952M8.....	C-113	YAZ262TC38E16.....	C-45
YAV70F2M16.....	C-125	YAV95F2M10.....	C-125	YAZ264TC38E1G1.....	C-100
YAV70F2M6.....	C-125	YAV95F2M12.....	C-125	YAZ264TCG1.....	C-100
YAV70F2M8.....	C-125	YAV95F2M14.....	C-125	YAZ26TC12.....	C-27
YAV70FM10.....	C-119	YAV95F2M16.....	C-125	YAZ26TC14.....	C-27
YAV70FM12.....	C-119	YAV95F2M20.....	C-125	YAZ26TC38.....	C-27
YAV70FM14.....	C-119	YAV95F2M8.....	C-125	YAZ272N.....	C-45
YAV70FM16.....	C-119	YAV95FM10.....	C-119	YAZ272TC14E2.....	C-45
YAV70FM6.....	C-119	YAV95FM12.....	C-119	YAZ272TC38.....	C-45
YAV70FM8.....	C-119	YAV95FM14.....	C-119	YAZ27TC12.....	C-27
YAV70M10.....	C-106	YAV95FM16.....	C-119	YAZ27TC38.....	C-27
YAV70M12.....	C-106	YAV95FM20.....	C-119	YAZ282N.....	C-45
YAV70M14.....	C-106	YAV95FM8.....	C-119	YAZ282NTC38.....	C-45
YAV70M16.....	C-106	YAV95M10.....	C-106	YAZ282TC14E2.....	C-45
YAV70M5.....	C-106	YAV95M12.....	C-106	YAZ282TC38.....	C-45
YAV70M6.....	C-106	YAV95M14.....	C-106	YAZ284TCG1.....	C-100
YAV70M8.....	C-106	YAV95M16.....	C-106	YAZ28TC12.....	C-27
YAV8CL.....	B-21	YAV95M20.....	C-106	YAZ28TC38.....	C-27
YAV8CL1.....	B-21	YAV95M6.....	C-106	YAZ292N.....	C-45
YAV8CL1BOX.....	B-21	YAV95M8.....	C-106	YAZ292TC38.....	C-45
YAV8CL2.....	B-21	YAV9CL36.....	B-20	YAZ294TCG1.....	C-100
YAV8CL207.....	B-16	YAV9CL36BOX.....	B-20	YAZ29TC12.....	C-27
YAV8CL20745.....	B-16	YAV9CT4.....	B-20	YAZ29TC38.....	C-27
YAV8CL20790.....	B-16	YAV9CT4BOX.....	B-20	YAZ2C2N.....	C-44
YAV8CL208.....	B-16	YAV9CT9.....	B-20	YAZ2C2NTC38.....	C-44
YAV8CL20845.....	B-16	YAV9CT9BOX.....	B-20	YAZ2C2TC10E2.....	C-44
YAV8CL20890.....	B-16	YAZ1C2N.....	C-45	YAZ2C2TC14.....	C-44
YAV8CL229.....	B-16	YAZ1C2TC14.....	C-45	YAZ2C2TC14E1.....	C-44
YAV8CL22945.....	B-16	YAZ1C2TC14E2.....	C-45	YAZ2C2TC14E2.....	C-44
YAV8CL22990.....	B-16	YAZ1C2TC38.....	C-45	YAZ2C2TC38.....	C-44
YAV8CL240.....	B-16	YAZ1CTC12.....	C-26	YAZ2C2TC38E2.....	C-44
YAV8CL24045.....	B-16	YAZ1CTC14.....	C-26	YAZ2C2TC38E6.....	C-44
YAV8CL24090.....	B-16	YAZ1CTC38.....	C-26	YAZ2C2TC38SL.....	C-95
YAV8CL241.....	B-16	YAZ252N.....	C-45	YAZ2C2TC38SLBOX500.....	C-95
YAV8CL24145.....	B-16	YAZ252NTC38.....	C-45	YAZ2C2TC516E2.....	C-44
YAV8CL24190.....	B-16	YAZ252TC14.....	C-45	YAZ2C2TC516E7.....	C-44
YAV8CL242.....	B-16	YAZ252TC14E1.....	C-45	YAZ2CTC12.....	C-26
YAV8CL24245.....	B-16	YAZ252TC14E2.....	C-45	YAZ2CTC14.....	C-26
YAV8CL24290.....	B-16	YAZ252TC14E3.....	C-45	YAZ2CTC38.....	C-26
YAV8CL2BOX.....	B-21	YAZ252TC38.....	C-45	YAZ2CTC516.....	C-26
YAV8CL3.....	B-21	YAZ252TC516.....	C-45	YAZ302N.....	C-45
YAV8CL3BOX.....	B-21	YAZ252TC516E6.....	C-45	YAZ302TC38.....	C-45
YAV8CL4.....	B-21	YAZ254TC38E1G1.....	C-100	YAZ302TC38FX.....	C-76
YAV8CL4BOX.....	B-21	YAZ254TCG1.....	C-100	YAZ30TC12.....	C-27

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAZ30TC38	C-27	YAZ392N.....	C-46	YAZ6C2TC38E16.....	C-44
YAZ30TC38FX	C-63	YAZ392NNT.....	C-46	YAZ6C2TC38E2.....	C-44
YAZ312N.....	C-45	YAZ392NT38.....	C-46	YAZ6C2TC38E6.....	C-44
YAZ312NTCFX.....	C-76	YAZ392TC38.....	C-46	YAZ6CTC10.....	C-26
YAZ312TC14E2.....	C-45	YAZ39NT12.....	C-28	YAZ6CTC12.....	C-26
YAZ312TC14E2FX.....	C-76	YAZ39TC12.....	C-28	YAZ6CTC14.....	C-26
YAZ312TC38.....	C-45	YAZ39TC38.....	C-28	YAZ6CTC38.....	C-26
YAZ312TC38FX.....	C-76	YAZ3C2N.....	C-44	YAZ8C2TC10.....	C-44
YAZ314TCG1.....	C-100	YAZ3C2TC14.....	C-44	YAZ8C2TC1090SL.....	C-95
YAZ31TC12.....	C-27	YAZ3C2TC14E2.....	C-44	YAZ8C2TC10E2.....	C-44
YAZ31TC38.....	C-27	YAZ3C2TC38.....	C-44	YAZ8C2TC10E2FX.....	C-75
YAZ31TC38FX.....	C-63	YAZ3C2TC38E2.....	C-44	YAZ8C2TC10FX.....	C-75
YAZ322N.....	C-45	YAZ3C2TC38SL.....	C-95	YAZ8C2TC10SL.....	C-95
YAZ322TC38.....	C-45	YAZ3C2TC38SLBOX500.....	C-95	YAZ8C2TC14.....	C-44
YAZ322TC38FX.....	C-76	YAZ3CTC12.....	C-26	YAZ8C2TC14E1.....	C-44
YAZ32TC12.....	C-27	YAZ3CTC14.....	C-26	YAZ8C2TC14E1FX.....	C-75
YAZ32TC38.....	C-27	YAZ3CTC38.....	C-26	YAZ8C2TC14E2.....	C-44
YAZ32TC38FX.....	C-63	YAZ402N.....	C-46	YAZ8C2TC14E2FX.....	C-75
YAZ332N.....	C-46	YAZ402NTCFX.....	C-77	YAZ8C2TC14FX.....	C-75
YAZ33TC12.....	C-27	YAZ40TC12.....	C-28	YAZ8C2TC38.....	C-44
YAZ342N.....	C-46	YAZ412N.....	C-46	YAZ8C2TC38FX.....	C-75
YAZ342NT38FX.....	C-76, C-83	YAZ41TC12.....	C-28	YAZ8CTC10.....	C-26, C-62
YAZ342NTCFX.....	C-76	YAZ442N.....	C-46	YAZ8CTC14.....	C-26, C-62
YAZ342TC14E2.....	C-46	YAZ442NT38FX.....	C-77, C-83	YAZ8CTC38.....	C-26, C-62
YAZ342TC14E2FX.....	C-76	YAZ442TC38.....	C-46	YAZV102TC14.....	C-44
YAZ342TC38.....	C-46	YAZ44TC12.....	C-28	YAZV102TC14E1.....	C-75
YAZ342TC38FX.....	C-76	YAZ44TC38.....	C-28	YAZV102TC14E2.....	C-44
YAZ34NT38FX.....	C-63	YAZ452N.....	C-46	YAZV102TC14SL.....	C-97
YAZ34TC12.....	C-27	YAZ4532N.....	C-46	YAZV10TC14.....	C-26
YAZ34TC12FX.....	C-63	YAZ453TC12.....	C-28	YAZV1C2TC14E1FX.....	C-75
YAZ34TC38.....	C-27	YAZ45TC12.....	C-28	YAZV1C2TC14E2FX.....	C-75
YAZ34TC38FX.....	C-63	YAZ462N.....	C-46	YAZV1C2TC14FX.....	C-75
YAZ352N.....	C-46	YAZ46TC12.....	C-28	YAZV1C2TC38FX.....	C-75
YAZ35TC12.....	C-27	YAZ472N.....	C-46	YAZV1C2TC516E6FX.....	C-75
YAZ362N.....	C-46	YAZ47TC12.....	C-28	YAZV1C2TC516FX.....	C-75
YAZ362TC38.....	C-46	YAZ482N.....	C-46	YAZV1CTC14FX.....	C-62
YAZ362TC38FX.....	C-76	YAZ48TC12.....	C-28	YAZV1CTC38FX.....	C-62
YAZ36TC12.....	C-28	YAZ4C2N.....	C-44	YAZV1CTC516FX.....	C-62
YAZ36TC38.....	C-28	YAZ4C2TC10E2.....	C-44	YAZV252NT14FX.....	C-83
YAZ36TC38FX.....	C-63	YAZ4C2TC14.....	C-44	YAZV252NTCFX.....	C-75
YAZ372N.....	C-46	YAZ4C2TC14E2.....	C-44	YAZV252TC14E2FX.....	C-75
YAZ37TC12.....	C-28	YAZ4C2TC38.....	C-44	YAZV252TC14FX.....	C-75
YAZ382ENT38FX.....	C-83	YAZ4CTC12.....	C-26	YAZV252TC14FXSL.....	C-97
YAZ382N.....	C-46	YAZ4CTC14.....	C-26	YAZV252TC14FXSLBOX500.....	C-97
YAZ382NNTFX.....	C-77, C-83	YAZ4CTC38.....	C-26	YAZV252TC38FX.....	C-75
YAZ382NT38FX.....	C-77, C-83	YAZ5C2N.....	C-44	YAZV252TC38FXSL.....	C-97
YAZ382NTCFX.....	C-77	YAZ5CTC12.....	C-26	YAZV252TC38FXSLBOX500.....	C-97
YAZ382TC38FX.....	C-77	YAZ6C2N.....	C-44	YAZV25TC12FX.....	C-62
YAZ38NT12FX.....	C-63	YAZ6C2TC10E2.....	C-44	YAZV25TC14FX.....	C-62
YAZ38NT38FX.....	C-63	YAZ6C2TC14.....	C-44	YAZV25TC38FX.....	C-62
YAZ38TC12.....	C-28	YAZ6C2TC14E1.....	C-44	YAZV262NTCFX.....	C-76
YAZ38TC12FX.....	C-63	YAZ6C2TC14E2.....	C-44	YAZV262TC14E2FX.....	C-76
YAZ38TC38FX.....	C-63	YAZ6C2TC38.....	C-44	YAZV262TC14FX.....	C-76

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAZV262TC14FXSL.....	C-97	YAZV6C2TC14FXSL.....	C-97	YC2C4.....	C-177, H-22
YAZV262TC14FXSLBOX500.....	C-97	YAZV6C2TC14FXSLBOX500.....	C-97	YC2L12.....	C-176
YAZV262TC38E6FX.....	C-76	YAZV6C2TC38E2FX.....	C-75	YC33R26.....	H-23
YAZV262TC38FX.....	C-76	YAZV6C2TC38E6FX.....	C-75	YC33R26U.....	H-26
YAZV262TC38FXSL.....	C-97	YAZV6C2TC38FX.....	C-75	YC3L12.....	C-176
YAZV262TC38FXSLBOX500.....	C-97	YAZV6C2TC38FXSL.....	C-97	YC4A4.....	H-23
YAZV26TC12FX.....	C-62	YAZV6C2TC38FXSLBOX500.....	C-97	YC4A6.....	H-23
YAZV26TC14FX.....	C-62	YAZV6CTC14FX.....	C-62	YC4C4.....	C-177, H-22
YAZV26TC38FX.....	C-62	YAZV6CTC38FX.....	C-62	YC4C6.....	C-177, H-22
YAZV272TC14E2FX.....	C-76	YBM1CL.....	B-30	YC4C8.....	C-177, H-22
YAZV272TC38FX.....	C-76	YBM1CL3.....	B-30	YC4L12.....	C-176
YAZV27TC38FX.....	C-62	YBM25L.....	B-30	YC4U1.....	H-26
YAZV282NT38FX.....	C-83	YBM25L1.....	B-30	YC6L12.....	C-176
YAZV282NTCFX.....	C-76	YBM25L2.....	B-30	YC8C8.....	C-177, H-22
YAZV282TC14E2FX.....	C-76	YBM26L.....	B-30	YC8L12.....	C-176
YAZV282TC14FXSL.....	C-97	YBM2CL.....	B-30	YCA252N.....	H-77
YAZV282TC14FXSLBOX500.....	C-97	YBM2CL1.....	B-30	YCA25R2N.....	H-79
YAZV282TC38FX.....	C-76	YBM2CL2.....	B-30	YCA25RL2N.....	H-78
YAZV282TC38FXSL.....	C-97	YBM4CL.....	B-30	YCA262N.....	H-77
YAZV282TC38FXSLBOX500.....	C-97	YBM4CL1.....	B-30	YCA26R2N.....	H-79
YAZV28NT38FX.....	C-62	YBM4CL2.....	B-30	YCA26RL2N.....	H-78
YAZV28TC12FX.....	C-62	YBM4CL4.....	B-30	YCA272N.....	H-77
YAZV28TC38FX.....	C-62	YBM6CL.....	B-30	YCA27R2N.....	H-79
YAZV292NT516FX.....	C-76, C-83	YBM6CL2.....	B-30	YCA27RL2N.....	H-78
YAZV29NT516FX.....	C-62	YBM6CL3.....	B-30	YCA282N.....	H-77
YAZV2C2NT14E2FX.....	C-83	YBM6CL9.....	B-30	YCA28R2N.....	H-79
YAZV2C2NTCFX.....	C-75	YBM8C.....	B-30	YCA28RL2N.....	H-78
YAZV2C2TC14E2FX.....	C-75	YBM8CT2.....	B-30	YCA292N.....	H-77
YAZV2C2TC14FX.....	C-75	YBM8CT4.....	B-30	YCA2R2N.....	H-79
YAZV2C2TC14FXSL.....	C-97	YC10C10.....	C-177, H-22	YCA2RL2N.....	H-78
YAZV2C2TC14FXSLBOX500.....	C-97	YC11L12.....	C-176	YCA302N.....	H-77
YAZV2C2TC38FX.....	C-75	YC1U1.....	H-26	YCA30R2N.....	H-79
YAZV2C2TC38FXSL.....	C-97	YC25A2.....	H-23	YCA312N.....	H-77
YAZV2C2TC38FXSLBOX500.....	C-97	YC25A25.....	H-23	YCA321R2N.....	H-79
YAZV2CTC12FX.....	C-62	YC25A4.....	H-23	YCA321RL2N.....	H-78
YAZV2CTC14FX.....	C-62	YC25L12.....	C-176	YCA322N.....	H-77
YAZV2CTC38FX.....	C-62	YC26A25.....	H-23	YCA33R2N.....	H-79
YAZV4C2NT14E2FX.....	C-83	YC26A26.....	H-23	YCA342N.....	H-77
YAZV4C2TC14E2FX.....	C-75	YC26C2.....	C-177, H-22	YCA35R2N.....	H-79
YAZV4C2TC14FX.....	C-75	YC26C26.....	C-177, H-22	YCA361R2N.....	H-79
YAZV4C2TC14FXSL.....	C-97	YC26L12.....	C-176	YCA37R2N.....	H-79
YAZV4C2TC14FXSLBOX500.....	C-97	YC27L12.....	C-176	YCA391A2N.....	H-80
YAZV4C2TC38E2-FX.....	C-75	YC28A2.....	H-23	YCA392N.....	H-77
YAZV4C2TC38FX.....	C-75	YC28A25.....	H-23	YCA39R2N.....	H-79
YAZV4C2TC38FXSL.....	C-97	YC28A26.....	H-23	YCA43R2N.....	H-80
YAZV4C2TC38FXSLBOX500.....	C-97	YC28A28.....	H-23	YCA441A4N.....	H-80
YAZV4CTC14FX.....	C-62	YC28C2.....	C-177, H-22	YCA44A2NG2.....	H-80
YAZV4CTC38FX.....	C-62	YC28C26.....	C-177, H-22	YCA451A4N.....	H-80
YAZV6C2TC10E2FX.....	C-75	YC28C28.....	C-177, H-22	YCA45R2N.....	H-80
YAZV6C2TC10FX90SL.....	C-97	YC28U26.....	H-26	YCA48R4N.....	H-80
YAZV6C2TC14E1FX.....	C-75	YC2A2.....	H-23	YCA4R2N.....	H-79
YAZV6C2TC14E2FX.....	C-75	YC2A4.....	H-23	YCA4RL2N.....	H-78
YAZV6C2TC14FX.....	C-75	YC2C2.....	C-177, H-22	YCAB284N.....	H-77

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YCAB324N.....	H-77	YCP25L27.....	C-207	YCR32RG7.....	H-54
YCAB344N.....	H-77	YCP25L34.....	C-207	YCS25.....	H-50
YCAB394N.....	H-77	YCP25L41.....	C-207	YCS25R.....	H-49, H-51
YCAB444N.....	H-77	YCP28L13.....	C-207	YCS25RL.....	H-52
YCAK25R4N.....	H-79	YCP28L20.....	C-207	YCS26.....	H-50
YCAK28A2G1.....	H-82	YCP28L27.....	C-207	YCS26A.....	H-53
YCAK28R4N.....	H-79	YCP28L34.....	C-207	YCS26R.....	H-51
YCAK29A2G1.....	H-82	YCP28L41.....	C-207	YCS26RL.....	H-52
YCAK30R4N.....	H-79	YCP31L13.....	C-207	YCS27.....	H-50
YCAK31A2G1.....	H-82	YCP31L20.....	C-207	YCS27R.....	H-51
YCAK31AG1.....	H-82	YCP31L27.....	C-207	YCS28.....	H-50
YCAK321R4N.....	H-79	YCP31L34.....	C-207	YCS28A.....	H-53
YCAK33R4N.....	H-79	YCP31L41.....	C-207	YCS28R.....	H-51
YCAK34A2G3.....	H-82	YCP34L13.....	C-207	YCS28RL.....	H-52
YCAK35R4N.....	H-79	YCP34L20.....	C-207	YCS29.....	H-50
YCAK361A4N.....	H-79	YCP34L27.....	C-207	YCS2R.....	H-51
YCAK361R4N.....	H-79	YCP34L34.....	C-207	YCS30.....	H-50
YCAK36A2G1.....	H-82	YCP34L41.....	C-207	YCS301A.....	H-53
YCAK37R4N.....	H-79	YCP39L13.....	C-207	YCS30R.....	H-51
YCAK391A4N.....	H-80	YCP39L20.....	C-207	YCS31.....	H-50
YCAK39A2G2.....	H-82	YCP39L27.....	C-207	YCS311A.....	H-53
YCAK39R4N.....	H-79	YCP39L34.....	C-207	YCS32.....	H-50
YCAK43R4N.....	H-80	YCP39L41.....	C-207	YCS321R.....	H-51
YCAK44A2G2.....	H-82	YCP44L13.....	C-208	YCS321RL.....	H-52
YCAK453R4N.....	H-80	YCP44L20.....	C-208	YCS331A.....	H-53
YCAK45R4N.....	H-80	YCP44L27.....	C-208	YCS33R.....	H-51
YCB1U1.....	H-39	YCP44L34.....	C-208	YCS34.....	H-50
YCB25R.....	H-38	YCP44L41.....	C-208	YCS341RL.....	H-52
YCB26R.....	H-38	YCR25RG6.....	H-54	YCS351A.....	H-53
YCB27R.....	H-38	YCR2625.....	H-53	YCS35R.....	H-51
YCB28R.....	H-38	YCR26RG2.....	H-54	YCS361A.....	H-53
YCB28U26.....	H-39	YCR26RG3.....	H-54	YCS361R.....	H-51
YCB2R.....	H-38	YCR2725.....	H-53	YCS37R.....	H-51
YCB321R.....	H-38	YCR27RG5.....	H-54	YCS39.....	H-50
YCB33R.....	H-38	YCR27RG6.....	H-54	YCS391A.....	H-53
YCB33R26U.....	H-39	YCR2825.....	H-53	YCS39R.....	H-51
YCB35R.....	H-38	YCR28RG5.....	H-54	YCS43R.....	H-51
YCB361R.....	H-38	YCR28RG6.....	H-54	YCS44.....	H-50
YCB38R26U.....	H-39	YCR28RG7.....	H-54	YCS453R.....	H-51
YCB4U1.....	H-39	YCR28RG8.....	H-54	YCS45R.....	H-51
YCHC29TC2.....	C-178	YCR291RG2.....	H-54	YCS4R.....	H-51
YCHC29TC29.....	C-178	YCR291RG3.....	H-54	YCT2626.....	H-32
YCHC2TC2.....	C-178	YCR291RG4.....	H-54	YCT2828.....	H-32
YCHC34TC2.....	C-178	YCR291RG5.....	H-54	YCU25A.....	H-50
YCHC34TC29.....	C-178	YCR30RG4.....	H-54	YCU25R.....	H-55
YCHC34TC34.....	C-178	YCR30RG6.....	H-54	YCU26R.....	H-55
YCHC39TC2.....	C-178	YCR30RG7.....	H-54	YCU27R.....	H-55
YCHC39TC31.....	C-178	YCR32RG1.....	H-54	YCU28A.....	H-50
YCHC39TC39.....	C-178	YCR32RG2.....	H-54	YCU28R.....	H-55
YCHC44TC44.....	C-178	YCR32RG3.....	H-54	YCU291A.....	H-50
YCHC8TC8.....	C-178	YCR32RG4.....	H-54	YCU2CA.....	H-50
YCP25L13.....	C-207	YCR32RG5.....	H-54	YCU2R.....	H-55
YCP25L20.....	C-207	YCR32RG6.....	H-54	YCU301A.....	H-50

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YCU30R.....	H-55	YDS27.....	H-57	YDS321RLNI.....	H-61
YCU321R.....	H-55	YDS271R.....	H-65	YDS321RLY.....	H-63
YCU4R.....	H-55	YDS271RP1.....	H-65	YDS321RP1.....	H-64
YCU4RG1.....	H-55	YDS27AT.....	H-58, H-62	YDS326R.....	H-64
YCUT129ACSR.....	N-80	YDS27R.....	H-64	YDS32LT.....	H-60
YD28REP2.....	H-66	YDS27RE.....	H-66	YDS32R.....	H-64
YDR25R2RL.....	H-68	YDS27RL.....	H-59	YDS32RP2.....	H-64
YDR25R4RL.....	H-68	YDS27RLNI.....	H-61	YDS331AT.....	H-58, H-62
YDR27R25RL.....	H-68	YDS27RLY.....	H-63	YDS33R.....	H-64
YDR28R26R.....	H-68	YDS27RP1.....	H-64, H-66	YDS33RP1.....	H-64
YDR28R27R.....	H-68		H-64, H-65,	YDS34.....	H-57
YDR2R4RG1.....	H-68	YDS27RP2.....	H-66	YDS341RL.....	H-60
YDR391RL321RL.....	H-68	YDS28.....	H-57	YDS341RLNI.....	H-61
YDS011R.....	H-65	YDS28AT.....	H-58, H-62	YDS34R.....	H-64
YDS011RP1.....	H-65	YDS28F.....	H-70	YDS34RP2.....	H-64, H-65
YDS021R.....	H-64	YDS28R.....	H-64	YDS351AT.....	H-58
YDS021RE.....	H-66	YDS28RE.....	H-66	YDS35R.....	H-64
YDS021REP1.....	H-66	YDS28RL.....	H-59	YDS35RP1.....	H-64
YDS021RL.....	H-59	YDS28RLNI.....	H-61	YDS361AT.....	H-58
YDS021RLNI.....	H-61	YDS28RLY.....	H-63	YDS361R.....	H-64, H-66
YDS021RLY.....	H-63	YDS28RP1.....	H-64, H-66	YDS361RL.....	H-60, H-67
YDS021RP1.....	H-64	YDS28RP2.....	H-64	YDS361RLNI.....	H-61
YDS1C.....	H-50, H-57	YDS29.....	H-57	YDS361RP1.....	H-64, H-66
YDS1C3.....	H-57	YDS291AT.....	H-58	YDS36LT.....	H-60
YDS1R.....	H-64	YDS291R.....	H-64	YDS36R.....	H-64
YDS1RP1.....	H-64	YDS291RP1.....	H-64	YDS36RP2.....	H-64, H-65
YDS1RP2.....	H-64	YDS29AT.....	H-58	YDS375H.....	H-66
YDS1W.....	H-56	YDS2C.....	H-50, H-57	YDS37RP1.....	H-64
YDS25.....	H-57	YDS2C3.....	H-57	YDS39.....	H-57
YDS250E.....	H-66	YDS2CA.....	H-58, H-62	YDS391AT.....	H-58
YDS251R.....	H-65	YDS2F.....	H-70	YDS392R.....	H-65
YDS251RP1.....	H-65	YDS2KT.....	H-70	YDS39RP1.....	H-65
	H-49, H-58,	YDS2RE.....	H-66	YDS3C3.....	H-57
YDS25AT.....	H-62	YDS2REP2.....	H-66	YDS3K10.....	H-69
YDS25F.....	H-70	YDS2RL.....	H-59	YDS3K5.....	H-69
YDS25R.....	H-64	YDS2RLNI.....	H-61	YDS3K6.....	H-69, H-70
YDS25REP2.....	H-66	YDS2RLY.....	H-63	YDS3K7.....	H-69
YDS25RL.....	H-59	YDS2W.....	H-50, H-56	YDS3K8.....	H-69
YDS25RLNI.....	H-61	YDS2WA.....	H-58	YDS3W.....	H-56
YDS25RLY.....	H-63	YDS30.....	H-57	YDS40R.....	H-65
YDS25RP1.....	H-64, H-66	YDS301AT.....	H-58	YDS41RP2.....	H-64, H-65
YDS25RP2.....	H-64	YDS30LT.....	H-60	YDS42R.....	H-65
YDS26.....	H-57	YDS30R.....	H-64	YDS431AT.....	H-58
YDS261R.....	H-65	YDS30RP1.....	H-64	YDS43R43RS.....	H-65
YDS261RP1.....	H-65	YDS30RP2.....	H-64	YDS43R45RS.....	H-65
YDS26AT.....	H-58	YDS31.....	H-57	YDS43RP1.....	H-65
YDS26F.....	H-70	YDS311AT.....	H-58, H-62	YDS43RP2.....	H-65
YDS26R.....	H-64	YDS312E.....	H-66	YDS44.....	H-57
YDS26RL.....	H-59	YDS312H.....	H-66	YDS44RP2.....	H-64
YDS26RLNI.....	H-61	YDS31AT.....	H-58	YDS451R34RS.....	H-65
YDS26RLY.....	H-63	YDS32.....	H-57	YDS451R49RS.....	H-65
YDS26RP1.....	H-64, H-66	YDS321R.....	H-64	YDS451RP1.....	H-65
YDS26RP2.....	H-64	YDS321RL.....	H-59	YDS45R45RS.....	H-65

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YDS45RP1.....	H-65	YE29P31X109.....	C-133	YE6R25.....	H-43
YDS45RP2.....	H-65	YE29P41X82.....	C-133	YEV1CP23X75FX.....	C-133
YDS49R.....	H-65	YE29P46X92.....	C-132	YEV1CP26X75FX.....	C-132
YDS49RP1.....	H-65	YE29P50X100.....	C-131	YEV1CP29X75FX.....	C-131
YDS49RP2.....	H-65	YE2CLH128.....	H-43	YEV25P26X75FX.....	C-133
YDS4C.....	H-50, H-57	YE2CLH129.....	H-43	YEV25P29X75FX.....	C-132
YDS4CA.....	H-49, H-58	YE2R25.....	H-43	YEV25P33X75FX.....	C-131
YDS4KT.....	H-70	YE2WAG5.....	H-43	YEV26P29X75FX.....	C-133
YDS4RL.....	H-59	YE30P46X92.....	C-133	YEV26P33X75FX.....	C-132
YDS4RLNI.....	H-61	YE30P46X92FX.....	C-132	YEV26P37X75FX.....	C-131
YDS4RLY.....	H-63	YE30P50X100.....	C-132	YEV27P33X75FX.....	C-133
YDS4W.....	H-50, H-56	YE30P50X100FX.....	C-131	YEV27P37X75FX.....	C-132
YDS4WA.....	H-49, H-58	YE30P55X110.....	C-131	YEV27P41X82FX.....	C-131
YDS500H.....	H-66	YE30R60.....	H-43	YEV28P37X75FX.....	C-133
YDS50R.....	H-65	YE31LH96.....	H-43	YEV28P41X75FX.....	C-132
YDS6C.....	H-50, H-57	YE31P41X82FX.....	C-133	YEV28P46X92FX.....	C-131
YDS6CA.....	H-58	YE31P50X100.....	C-133	YEV2CP20X75FX.....	C-133
YDS6KT.....	H-70	YE31P51X102FX.....	C-131	YEV2CP23X75FX.....	C-132
YDS6W.....	H-50, H-56	YE31P55X110.....	C-132	YEV2CP26X75FX.....	C-131
YDS6WA.....	H-58	YE31P59X118.....	C-131	YEV4CP16X75FX.....	C-133
YDS6WK.....	H-69	YE32P51X102FX.....	C-132	YEV4CP20X75FX.....	C-131
YDS75.....	H-56	YE32P55X110.....	C-133	YF0215UI.....	B-75
YDS76.....	H-56	YE32P55X110FX.....	C-131	YF0216ID.....	B-78
YDS78.....	H-56	YE32P59X118.....	C-132	YF0216IT.....	B-78
YDS7K5.....	H-69	YE32P63X126.....	C-131	YF0216IW.....	B-78
YDS7K6.....	H-69	YE32R60.....	H-43	YF0218ID.....	B-78
YDS7K7.....	H-69	YE34LH119.....	H-43	YF0218IT.....	B-78
YDS7M10T.....	H-70, I-16	YE34LH120.....	H-43	YF0218IW.....	B-78
YDS7M6T.....	H-70, I-16	YE34P51X102FX.....	C-133	YF0220UI.....	B-75
YDS7M7T.....	H-70, I-16	YE34P55X110FX.....	C-132	YF0222ID.....	B-78
YDS7M8T.....	H-70, I-16	YE34P59X118.....	C-133	YF0222IT.....	B-78
YDS7M9T.....	H-70, I-16	YE34P59X118FX.....	C-131	YF0222IW.....	B-78
YDS8KT.....	H-70	YE34P63X126.....	C-132	YF0225ID.....	B-78
YDS8W.....	H-50, H-56	YE34P71X142.....	C-131	YF0225IT.....	B-78
YDS8WG1.....	H-56	YE361R60.....	H-43	YF0225IW.....	B-78
YDS8WK.....	H-69	YE36P59X118FX.....	C-132	YF0225UI.....	B-75
YDSR25RL.....	H-67	YE36P63X126.....	C-133	YF0232UI.....	B-75
YDSR26RL.....	H-67	YE36P67X134FX.....	C-131	YF041/0TOOL.....	N-37
YDSR27RL.....	H-67	YE36P71X142.....	C-132	YF0412ID.....	B-78
YDSR28RL.....	H-67	YE36P78X156.....	C-131	YF0412IT.....	B-78
YDSR2RL.....	H-67	YE38P59X118FX.....	C-133	YF0412IW.....	B-78
YDSR321RL.....	H-67	YE38P67X134FX.....	C-132	YF0412UI.....	B-75
YDSR341RL.....	H-67	YE38P71X142FX.....	C-131	YF0415ID.....	B-78
YDSR4RL.....	H-67	YE39P71X142.....	C-133	YF0415IT.....	B-78
YE1WAG1.....	H-43	YE39P78X156.....	C-132	YF0415IW.....	B-78
YE25LH97.....	H-43	YE39P87X174.....	C-131	YF0415UI.....	B-75
YE25R25.....	H-43	YE39R60.....	H-43	YF0416ID.....	B-78
YE26LH88.....	H-43	YE40P67X134FX.....	C-133	YF0416IT.....	B-78
YE26LH89.....	H-43	YE40P71X142FX.....	C-132	YF0416IW.....	B-78
YE26R60.....	H-43	YE40P78X156FX.....	C-131	YF0418ID.....	B-78
YE27R60.....	H-43	YE44P78X156FX.....	C-132	YF0418IT.....	B-78
YE28LH128.....	H-43	YE44P87X174FX.....	C-131	YF0418IW.....	B-78
YE28R60.....	H-43	YE4R25.....	H-43	YF0418UI.....	B-75

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YF0420UI	B-75	YF1/032UI.....	B-75	YF1608IT.....	B-77
YF0422ID	B-78	YF1006TOOL.....	N-37	YF1608IW.....	B-77
YF0422IT	B-78	YF1010ID.....	B-77	YF1608UI.....	B-74
YF0422IW.....	B-78	YF1010IT.....	B-77	YF1610ID.....	B-77
YF0425ID	B-78	YF1010IW.....	B-77	YF1610IT.....	B-77
YF0425IT.....	B-78	YF1010UI.....	B-74	YF1610IW.....	B-77
YF0425IW.....	B-78	YF1012ID.....	B-77	YF1610UI.....	B-74
YF0425UI.....	B-75	YF1012IT.....	B-77	YF1612ID.....	B-77
YF0432UI.....	B-75	YF1012IW.....	B-77	YF1612IT.....	B-77
YF0612ID.....	B-78	YF1012UI.....	B-74	YF1612IW.....	B-77
YF0612IT.....	B-78	YF1015UI.....	B-74	YF1612UI.....	B-74
YF0612IW.....	B-78	YF1018ID.....	B-77	YF1615ID.....	B-77
YF0612UI.....	B-75	YF1018IT.....	B-77	YF1615IT.....	B-77
YF0615UI.....	B-75	YF1018IW.....	B-77	YF1615IW.....	B-77
YF0618ID.....	B-78	YF1018UI.....	B-74	YF1618ID.....	B-77
YF0618IT.....	B-78	YF1209ID.....	B-77	YF1618IT.....	B-77
YF0618IW.....	B-78	YF1209IT.....	B-77	YF1618IW.....	B-77
YF0618UI.....	B-75	YF1209IW.....	B-77	YF1618UI.....	B-74
YF0625UI.....	B-75	YF1209UI.....	B-74	YF1806ID.....	B-76
YF081/OTOOL.....	N-37	YF1210ID.....	B-77	YF1806IT.....	B-76
YF0812ID.....	B-78	YF1210IT.....	B-77	YF1806IW.....	B-76
YF0812IT.....	B-78	YF1210IW.....	B-77	YF1806UI.....	B-74
YF0812IW.....	B-78	YF1212ID.....	B-77	YF1808ID.....	B-77
YF0812UI.....	B-75	YF1212IT.....	B-77	YF1808IT.....	B-77
YF0815ID.....	B-78	YF1212IW.....	B-77	YF1808IW.....	B-77
YF0815IT.....	B-78	YF1212UI.....	B-74	YF1808UI.....	B-74
YF0815IW.....	B-78	YF1215UI.....	B-74	YF1810ID.....	B-77
YF0815UI.....	B-75	YF1218ID.....	B-77	YF1810IT.....	B-77
YF0818ID.....	B-78	YF1218IT.....	B-77	YF1810IW.....	B-77
YF0818IT.....	B-78	YF1218IW.....	B-77	YF1810UI.....	B-74
YF0818IW.....	B-78	YF1218UI.....	B-74	YF1812ID.....	B-77
YF0818UI.....	B-75	YF1407UI.....	B-74	YF1812IT.....	B-77
YF1/012ID.....	B-78	YF1408ID.....	B-77	YF1812IW.....	B-77
YF1/012IT.....	B-78	YF1408IT.....	B-77	YF1812UI.....	B-74
YF1/012IW.....	B-78	YF1408IW.....	B-77	YF1818ID.....	B-77
YF1/016ID.....	B-78	YF1408UI.....	B-74	YF1818IT.....	B-77
YF1/016IT.....	B-78	YF1410ID.....	B-77	YF1818IW.....	B-77
YF1/016IW.....	B-78	YF1410IT.....	B-77	YF2/020ID.....	B-78
YF1/020ID.....	B-78	YF1410IW.....	B-77	YF2/022UI.....	B-75
YF1/020IT.....	B-78	YF1410UI.....	B-74	YF2/025ID.....	B-78
YF1/020IW.....	B-78	YF1412ID.....	B-77	YF2/025UI.....	B-75
YF1/022ID.....	B-78	YF1412IT.....	B-77	YF2/027ID.....	B-78
YF1/022IT.....	B-78	YF1412IW.....	B-77	YF2/032UI.....	B-75
YF1/022IW.....	B-78	YF1412UI.....	B-74	YF2006ID.....	B-76
YF1/022UI.....	B-75	YF1418ID.....	B-77	YF2006IT.....	B-76
YF1/025ID.....	B-78	YF1418IT.....	B-77	YF2006IW.....	B-76
YF1/025IT.....	B-78	YF1418IW.....	B-77	YF2006UI.....	B-74
YF1/025IW.....	B-78	YF1418UI.....	B-74	YF2008ID.....	B-76
YF1/025UI.....	B-75	YF1606ID.....	B-77	YF2008IT.....	B-76
YF1/03/OTOOL.....	N-37	YF1606IT.....	B-77	YF2008IW.....	B-76
YF1/030ID.....	B-78	YF1606IW.....	B-77	YF2010ID.....	B-76
YF1/030IT.....	B-78	YF1607UI.....	B-74	YF2010IT.....	B-76
YF1/030IW.....	B-78	YF1608ID.....	B-77	YF2010IW.....	B-76

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YF2010UI	B-74	YF2808IW	B-76	YFAR302	K-33
YF2012ID	B-76	YF3/025ID	B-78	YFAR312	K-33
YF2012IT	B-76	YF3/025UI	B-75	YFAR322	K-33
YF2012IW	B-76	YF3/030ID	B-78	YFAR342	K-33
YF2012UI	B-74	YF3/030UI	B-75	YFAR392	K-33
YF2018ID	B-76	YF3/032UI	B-75	YFD365	C-203
YF2018IT	B-76	YF3206TOOL	N-37	YFM28CP	K-35
YF2018IW	B-76	YF35032UI	B-75	YFM28CPL	K-36
YF2205ID	B-76	YF35040UI	B-75	YFM28CR	K-35
YF2205IT	B-76	YF4/0250TOOL	N-37	YFM29CP	K-35
YF2205IW	B-76	YF4/027ID	B-79	YFM29CPL	K-36
YF2206ID	B-76	YF4/030ID	B-79	YFM29CR	K-35
YF2206IT	B-76	YF4/032ID	B-79	YFM30CP	K-35
YF2206IW	B-76	YF4/032UI	B-75	YFM30CPL	K-36
YF2206UI	B-74	YF4/034ID	B-79	YFM30CR	K-35
YF2208ID	B-76	YF4/034UI	B-75	YFM31CP	K-35
YF2208IT	B-76	YF4/040UI	B-75	YFM31CPL	K-36
YF2208IW	B-76	YFA28CP2	K-31	YFM31CR	K-35
YF2208UI	B-74	YFA28CPL2	K-32	YFM32CP	K-35
YF2210FL	N-36	YFA28CR2	K-31	YFM32CPL	K-36
YF2210ID	B-76	YFA29CP2	K-31	YFM32CR	K-35
YF2210IT	B-76	YFA29CPL2	K-32	YFM34CP	K-35
YF2210IW	B-76	YFA29CR2	K-31	YFM34CPL	K-36
YF2210TOOL	N-37	YFA30CP2	K-31	YFM34CR	K-35
YF2210UI	B-74	YFA30CPL2	K-32	YFM39CP	K-35
YF2212ID	B-76	YFA30CR2	K-31	YFM39CPL	K-36
YF2212IT	B-76	YFA31CP2	K-31	YFM39CR	K-35
YF2212IW	B-76	YFA31CPL2	K-32	YFMP28	K-37
YF2212UI	B-74	YFA31CR2	K-31	YFMP28L	K-38
YF2405UI	B-74	YFA32CPL2	K-32	YFMP29	K-37
YF2406IT	B-76	YFA32CR2	K-31	YFMP29L	K-38
YF2406IW	B-76	YFA34CP2	K-31	YFMP30	K-37
YF2407UI	B-74	YFA34CPL2	K-32	YFMP30L	K-38
YF2408IT	B-76	YFA34CR2	K-31	YFMP31	K-37
YF2408IW	B-76	YFA39CP2	K-31	YFMP31L	K-38
YF25025ID	B-79	YFA39CPL2	K-32	YFMP32	K-37
YF25027ID	B-79	YFA39CR2	K-31	YFMP32L	K-38
YF25032ID	B-79	YFAP282	K-33	YFMP34	K-37
YF25032UI	B-75	YFAP28L2	K-34	YFMP34L	K-38
YF25038ID	B-79	YFAP292	K-33	YFMP39	K-37
YF25040UI	B-75	YFAP29L2	K-34	YFMP39L	K-38
YF2605UI	B-74	YFAP302	K-33	YFMR28	K-37
YF2606ID	B-76	YFAP30L2	K-34	YFMR29	K-37
YF2606IT	B-76	YFAP312	K-33	YFMR30	K-37
YF2606IW	B-76	YFAP31L2	K-34	YFMR31	K-37
YF2607UI	B-74	YFAP322	K-33	YFMR32	K-37
YF2608ID	B-76	YFAP32L2	K-34	YFMR34	K-37
YF2608IT	B-76	YFAP342	K-33	YFMR39	K-37
YF2608IW	B-76	YFAP34L2	K-34	YFN540	C-203
YF2806IT	B-76	YFAP392	K-33	YFO140	C-203
YF2806IW	B-76	YFAP39L2	K-34	YFR865	C-203
YF2807UI	B-74	YFAR282	K-33	YFS28CP	K-27
YF2808IT	B-76	YFAR292	K-33	YFS28CPL	K-28

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YFS28CR	K-27	YFTW1410T	B-80	YGF34-2N	E-21
YFS29CP	K-27	YFTW1410W	B-80	YGF34-4N	E-21
YFS29CPL	K-28	YFTW1413D	B-80	YGHA25-2N	E-16
YFS29CR	K-27	YFTW1413T	B-80	YGHA26-2N	E-16
YFS30CP	K-27	YFTW1413W	B-80	YGHA27-2N	E-16
YFS30CPL	K-28	YFTW1608D	B-80	YGHA28-2N	E-16
YFS30CR	K-27	YFTW1608T	B-80	YGHA29-2N	E-16
YFS31CP	K-27	YFTW1608W	B-80	YGHA2C-2N	E-16
YFS31CPL	K-28	YFTW1612D	B-80	YGHA31-2N	E-16
YFS31CR	K-27	YFTW1612T	B-80	YGHA34-2N	E-16
YFS32CP	K-27	YFTW1612W	B-80	YGHC26C2	E-10
YFS32CPL	K-28	YFTW1808D	B-80	YGHC26C26	E-10
YFS32CR	K-27	YFTW1808T	B-80	YGHC29C26	E-10
YFS34CP	K-27	YFTW1808W	B-80	YGHC29C29	E-10
YFS34CPL	K-28	YFTW1810D	B-80	YGHC2C2	E-10
YFS34CR	K-27	YFTW1810T	B-80	YGHC34C26	E-10
YFS39CP	K-27	YFTW1810W	B-80	YGHC34C29	E-10
YFS39CPL	K-28	YFTW2008D	B-80	YGHC34C34	E-10
YFS39CR	K-27	YFTW2008T	B-80	YGHC26C26	E-11
YFSP28	K-29	YFTW2008W	B-80	YGHC29C26	E-11
YFSP28L	K-30	YFTW2010D	B-80	YGHC29C29	E-11
YFSP29	K-29	YFTW2010T	B-80	YGHC34C26	E-11
YFSP29L	K-30	YFTW2010W	B-80	YGHC34C29	E-11
YFSP30	K-29	YFTW2208D	B-80	YGHC34C34	E-11
YFSP30L	K-30	YFTW2208T	B-80	YGHP29C2	E-8
YFSP31	K-29	YFTW2208W	B-80	YGHP29C26	E-8
YFSP31L	K-30	YG14B2TC2C2C	E-26	YGHP29C29	E-8
YFSP32	K-29	YG14B2TC2C6C	E-26	YGHP29C6W6W	E-8
YFSP32L	K-30	YG14BTC28	E-26	YGHP2C2	E-8
YFSP34	K-29	YG916BTC26	E-26	YGHP2C6W6W	E-8
YFSP34L	K-30	YGA25-2N	E-17	YGHP34C2	E-8
YFSP39	K-29	YGA26-2N	E-17	YGHP34C26	E-8
YFSP39L	K-30	YGA28-2N	E-17	YGHP34C29	E-8
YFSR28	K-29	YGA29-2N	E-17	YGHP34C34	E-8
YFSR29	K-29	YGA2C-2N	E-17	YGHP58C2W-2	E-9
YFSR30	K-29	YGA2C-2TC38	E-17	YGHP58C2W-2TN	E-9
YFSR31	K-29	YGA34-2N	E-17	YGHR26C100	E-14
YFSR32	K-29	YGA6C-2N	E-17	YGHR26C12	E-14
YFSR34	K-29	YGA6C-2TC38E2G1	E-17	YGHR26C34	E-14
YFSR39	K-29	YGA6C-TC10	E-17	YGHR26C58	E-14
YFTW0614D	B-80	YGA6C-TC14	E-17	YGHR29C100	E-14
YFTW0614T	B-80	YGA6C-TC516	E-17	YGHR29C12	E-14
YFTW0614W	B-80	YGA8C-2N	E-17	YGHR29C34	E-14
YFTW0814D	B-80	YGA8C-TC10	E-17	YGHR29C58	E-14
YFTW0814T	B-80	YGA8C-TC14	E-17	YGHR34C100	E-14
YFTW0814W	B-80	YGA8C-TC516	E-17	YGHR34C34	E-14
YFTW1014D	B-80	YGC10C10	E-12	YGHR34C58	E-14
YFTW1014T	B-80	YGC4C4	E-12	YGHR58C2W-3	E-15
YFTW1014W	B-80	YGC6C6	E-12	YGHS25	E-19
YFTW1212D	B-80	YGC6C8	E-12	YGHS26	E-19
YFTW1212T	B-80	YGC8C8	E-12	YGHS27	E-19
YFTW1212W	B-80	YGF29-2N	E-21	YGHS28	E-19
YFTW1410D	B-80	YGF29-4N	E-21	YGHS29	E-19

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YGHS2C.....	E-19	YH2929WCC	C-180, C-182	YHN500J1496	H-40
YGHS31.....	E-19	YH292C.....	C-180-182	YHN525.....	H-30
YGHS34	E-19	YH292CWC	C-180, C-182	YHN550.....	H-30
YGIBS28-338-2N	E-23	YH292CWCC.....	C-180, C-182	YHN600.....	H-30
YGIBS28-400-2N	E-23	YH298C.....	C-180-182	YHO1	H-31
YGIBS28-462-2N.....	E-23	YH298CWC	C-180, C-182	YHO100.....	H-29
YGIBS28-550-2N	E-23	YH298CWCC.....	C-180, C-182	YHO100J1444	H-40
YGIBS28-613-2N.....	E-23	YH2C2C	C-180-182	YHO125.....	H-29, H-31
YGIBS28-675-2N	E-23	YH2C2CWC.....	C-180, C-182	YHO150.....	H-29
YGIBS34-338-2N	E-23	YH2C2CWCC.....	C-180, C-182	YHO150J1444.....	H-40
YGIBS34-400-2N	E-23	YH3429	C-180-182	YHO2	H-31
YGIBS34-462-2N	E-23	YH3429WC	C-180, C-182	YHR700.....	H-30
YGIBS34-550-2N	E-23	YH3429WCC	C-180, C-182	YHR750.....	H-30
YGIBS34-675-2N	E-23	YH3434	C-180-182	YHR800.....	H-30
YGIBW28-1000-2N	E-23	YH3434WC	C-180, C-182	YHR850.....	H-30
YGIBW28-338-2N	E-23	YH3434WCC	C-180, C-182	YHR900.....	H-30
YGIBW28-400-2N	E-23	YH3931	C-180-182	YHR950.....	H-30
YGIBW28-462-2N	E-23	YH3931WC	C-180, C-182	YHSA10K10.....	B-12
YGIBW28-550-2N	E-23	YH3931WCC.....	C-180, C-182	YHSA10K10BF	B-45
YGIBW28-613-2N.....	E-23	YH3939	C-180-182	YHSA10K10F	B-36
YGIBW28-675-2N	E-23	YH3939WC	C-180, C-182	YHSA10K10FRK.....	B-36
YGIBW28-750-2N.....	E-23	YH3939WCC	C-180, C-182	YHSA10K10LF	B-41
YGIBW34-338-2N	E-23	YH4429.....	C-180-182	YHSA10K10RK	B-12
YGIBW34-400-2N.....	E-23	YH4429WC	C-180, C-182	YHSA10K12.....	B-12
YGIBW34-462-2N	E-23	YH4429WCC	C-180, C-182	YHSA10K12RK	B-12
YGIBW34-550-2N	E-23	YH4434	C-180-182	YHSA10K14.....	B-12
YGIBW34-613-2N	E-23	YH4434WC	C-180, C-182	YHSA10K14FRK.....	B-36
YGIBW34-675-2N	E-23	YH4434WCC	C-180, C-182	YHSA10K14RK	B-12
YGL29C2.....	E-6	YH4444	C-180-182	YHSA10K38	B-12
YGL29C29	E-6	YH4444WC	C-180, C-182	YHSA10K38RK.....	B-12
YGL2C2.....	E-6	YH4444WCC	C-180, C-182	YHSA10K516	B-12
YGL34C2.....	E-6	YH6C6C	C-180-182	YHSA10K6	B-12
YGL34C29	E-6	YH6C6CWC.....	C-180, C-182	YHSA10K6BF	B-45
YGL34C34	E-6	YH6C6CWCC.....	C-180, C-182	YHSA10K6F	B-36
YGLR29C100.....	E-7	YH8C8C	C-180, C-182	YHSA10K6LF	B-41
YGLR29C12.....	E-7	YH8C8CWC.....	C-180, C-182	YHSA10K8	B-12
YGLR29C34	E-7	YH8C8CWCC.....	C-180, C-182	YHSA10K8BF	B-45
YGLR29C58	E-7	YHD200.....	H-29	YHSA10K8F	B-36
YGLR34C100.....	E-7	YHD200J1444	H-40	YHSA10K8FRK.....	B-36
YGLR34C12.....	E-7	YHD250.....	H-29	YHSA10K8LF	B-41
YGLR34C34.....	E-7	YHD250J1444.....	H-40	YHSA14K10.....	B-12
YGLR34C58.....	E-7	YHD3	H-31	YHSA14K10BF.....	B-45
YGS25	E-20	YHD300.....	H-29	YHSA14K10F	B-36
YGS26	E-20	YHD300J1496	H-40	YHSA14K10FRK.....	B-36
YGS28	E-20	YHD350.....	H-29	YHSA14K10LF	B-41
YGS29	E-20	YHD350J1496.....	H-40	YHSA14K10RK	B-12
YGS2C.....	E-20	YHD4	H-31	YHSA14K14.....	B-12
YGS34	E-20	YHD400.....	H-29	YHSA14K14FRK	B-36
YGS6C.....	E-20	YHD5	H-31	YHSA14K14RK	B-12
YGS8C.....	E-20	YHD6	H-31	YHSA14K38	B-12
YGT275.....	E-25	YHD7	H-31	YHSA14K38RK.....	B-12
YH2929.....	C-180-182	YHN450.....	H-30	YHSA14K516.....	B-12
YH2929WC	C-180, C-182	YHN500.....	H-30	YHSA14K6.....	B-12

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YHSA14K6BF	B-45	YHSQ18F25X03RK.....	B-68	YNA39RT15.....	I-5, I-13
YHSA14K6F	B-36	YHSQ18M25X03.....	B-67	YNA43R	I-4, I-12
YHSA14K6FRK.....	B-36	YHSQ18M25X03RK.....	B-67	YNA43R15	I-4, I-12
YHSA14K6LF	B-41	YHSS10.....	B-58	YNA43RT	I-5, I-13
YHSA14K8	B-12	YHSS10RK	B-58	YNA43RT15.....	I-5, I-13
YHSA14K8BF	B-45	YHSS14.....	B-58	YNA451R.....	I-4, I-12
YHSA14K8F	B-36	YHSS14RK.....	B-58	YNA451R15.....	I-4, I-12
YHSA14K8FRK.....	B-36	YHSS18.....	B-58	YNA451RT	I-5, I-13
YHSA14K8LF	B-41	YHSS18RK	B-58	YNA451RT15	I-5, I-13
YHSA14K8RK.....	B-12	YKA25R2N.....	H-35	YNA49R	I-5, I-13
YHSA18K10.....	B-12	YKA262N.....	H-37	YNA49R15	I-4, I-12
YHSA18K10BF.....	B-45	YKA26R2N.....	H-35	YNA49RT	I-5, I-13
YHSA18K10F	B-36	YKA27R2N.....	H-35	YNA49RT15	I-5, I-13
YHSA18K10FRK.....	B-36	YKA282N.....	H-37	YNA52R	I-4, I-12
YHSA18K10LF	B-41	YKA28R2N.....	H-35	YNA52R15	I-4, I-12
YHSA18K10RK.....	B-12	YKA2C2N.....	H-37	YNA52RT	I-5, I-13
YHSA18K14.....	B-12	YKA2R2N.....	H-35	YNA52RT15	I-5, I-13
YHSA18K14RK	B-12	YKA302N.....	H-37	YNA54R	I-12
YHSA18K38.....	B-12	YKA30R2N.....	H-35	YNA54R15.....	I-12
YHSA18K38RK.....	B-12	YKA321R2N.....	H-35	YNA54RT	I-13
YHSA18K516	B-12	YKA33R2N.....	H-35	YNA54RT15.....	I-13
YHSA18K516RK.....	B-12	YKA342N.....	H-37	YNA56R	I-4, I-12
YHSA18K6	B-12	YKA34CA2N.....	H-35	YNA56R15	I-4, I-12
YHSA18K6BF	B-45	YKA361R2N.....	H-35	YNA56RT.....	I-5, I-13
YHSA18K6F	B-36	YKA37R2N.....	H-35	YNA56RT15.....	I-5, I-13
YHSA18K6FRK.....	B-36	YKA391A2N.....	H-35	YNA58R	I-4, I-12
YHSA18K6LF	B-41	YKA442N.....	H-37	YNA58R15	I-4, I-12
YHSA18K6RK.....	B-12	YKA6C2N.....	H-37	YNA58RT	I-5, I-13
YHSA18K8	B-12	YM1028	K-23	YNA58RT15.....	I-5, I-13
YHSA18K8BF	B-45	YM1034	K-23	YNA594R	I-12
YHSA18K8F	B-36	YM1228	K-23	YNA594R15.....	I-12
YHSA18K8FRK.....	B-36	YM1234	K-23	YNA594RT.....	I-13
YHSA18K8LF	B-41	YM428	K-23	YNA594RT15.....	I-13
YHSA18K8RK.....	B-12	YM434	K-23	YNA59R	I-4, I-12
YHSFQ10F25X03.....	B-68	YM628	K-23	YNA59R15	I-4, I-12
YHSFQ10F25X03RK.....	B-68	YM634	K-23	YNA59RT	I-5, I-13
YHSFQ14F25X03.....	B-68	YM828	K-23	YNA59RT15.....	I-5, I-13
YHSFQ14F25X03RK.....	B-68	YM834	K-23	YNA7M10T.....	I-15
YHSFQ18F25X03.....	B-68	YNA32R	I-4, I-12	YNA7M6T.....	I-15
YHSFQ18F25X03RK.....	B-68	YNA32R15	I-4, I-12	YNA7M7T.....	I-15
YHSQ10F25X03.....	B-68	YNA32RT	I-5, I-13	YNA7M8T.....	I-15
YHSQ10F25X03RK.....	B-68	YNA32RT15	I-5, I-13	YNM428	K-24
YHSQ10M25X03.....	B-67	YNA34R	I-4, I-12	YNM434	K-24
YHSQ10M25X03RK.....	B-67	YNA34R15	I-4, I-12	YNM628	K-24
YHSQ14F11X02D.....	B-68	YNA34RT	I-5, I-13	YNM634	K-24
YHSQ14F18X02D.....	B-68	YNA34RT15.....	I-5, I-13	YNM828	K-24
YHSQ14F25X03.....	B-68	YNA36R	I-4, I-12	YNM834	K-24
YHSQ14F25X03RK.....	B-68	YNA36R15	I-4, I-12	YNS32RT	I-6, I-14
YHSQ14M25X03.....	B-67	YNA36RT	I-5, I-13	YNS34RT	I-6, I-14
YHSQ14M25X03RK.....	B-67	YNA36RT15.....	I-5, I-13	YNS36RT	I-6, I-14
YHSQ18F11X02D.....	B-68	YNA39R	I-4, I-12	YNS39RT	I-6, I-14
YHSQ18F18X02D.....	B-68	YNA39R15.....	I-4, I-12	YNS43RT	I-6, I-14
YHSQ18F25X03.....	B-68	YNA39RT	I-5, I-13	YNS451RT.....	I-6, I-14

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YNS49RT	I-6, I-14	YPC33R26U	H-25	YRB34U34TW	K-53
YNS52RT	I-6, I-14	YPC33R28R	H-25	YRB36U31	C-202
YNS54RT	I-14	YPC33R33R	H-25	YRB36U34	C-202
YNS56RT	I-6, I-14	YPC36A32	H-25	YRB39U31TW	K-53
YNS58RT	I-6, I-14	YPC36A36	H-25	YRB39U34	C-202
YNS594RT	I-14	YPC38R26U	H-25	YRB39U34TW	K-53
YNS59RT	I-6, I-14	YPC40A32	H-25	YRB39U36	C-202
YNTA245MRTACCC	I-23	YPC40A36	H-25	YRB39U39TW	K-53
YNTA36RTACCC	I-23	YPC40A40	H-25	YRB44U31TW	K-53
YNTA39RTACCC	I-23	YQE91	B-84	YRB44U34TW	K-53
YNTA43RTACCC	I-23	YR2C2WT	C-139	YRB44U39TW	K-53
YNTA451RTACCC	I-23	YRA1CU1	H-82	YRB44U44TW	K-53
YNTA49RTACCC	I-23	YRA25A1	H-82	YRV2CV6CL	B-62
YNTA52RTACCC	I-23	YRA25U	H-82	YRV4CV6CL	B-62
YNU245MRACCC	I-24	YRA26U	H-82	YRV6CV10L	B-62
YNU36RACCC	I-24	YRA27U	H-82	YRV6CV8CL	B-62
YNU39RACCC	I-24	YRA28U	H-82	YRV8CV10L	B-62
YNU43RACCC	I-24	YRA4CU1	H-82	YRV8CV14L	B-62
YNU451RACCC	I-24	YRA6CU1	H-82	YS10WAG1	C-201
YNU49RACCC	I-24	YRA8CU1	H-82	YS12AG1	C-201
YNU52RACCC	I-24	YRAL1CU	H-82	YS1C	C-139
YOT3434	H-32	YRAL4CU	H-82	YS1CA1	C-201
YOU32R	H-55	YRB1CU1TTN	K-52	YS1CLB	C-141, C-142
YOU33R	H-55	YRB1CU2TTN	K-52	YS1CLBOX	C-138
YOU35R	H-55	YRB25U2	C-202	YS1CT	C-144
YOU361R	H-55	YRB25U25TTN	K-52	YS25	C-139
YOU37R	H-55	YRB25U2TTN	K-52	YS25A1	C-201
YOU39R	H-55	YRB25U3TTN	K-52	YS25FXLTCKITC	C-148
YOU41R	H-55	YRB27U25	C-202	YS25LB	C-141, C-142
YOU421R	H-55	YRB27U25TW	K-52	YS25LBOX	C-138
YOU43R	H-55	YRB27U26	C-202	YS25LTCKITC	C-148
YOU44R	H-55	YRB2825T	K-55	YS25T	C-144
YOU453R	H-55	YRB28U1TW	K-52	YS25UCG1	K-51
YOU45R	H-55	YRB28U25TW	K-52	YS26	C-139
YOU48R	H-55	YRB28U26	C-202	YS26A1	C-201
YOU49R	H-55	YRB28U26TW	K-52	YS26FXLTCKITC	C-148
YP25U25	H-24	YRB28U28TW	K-52	YS26LB	C-141, C-142
YP26AU2	H-24	YRB28U3TW	K-52	YS26LBOX	C-138
YP27AU2	H-24	YRB29U28	C-202	YS26LTCKITC	C-148
YP27AU26	H-24	YRB2U3TTN	K-52	YS26T	C-144
YP27AU4	H-24	YRB2U4	C-202	YS26UCG1	K-51
YP28C28	H-22	YRB31U25TW	K-52	YS27	C-139
YP28U2	H-24	YRB31U28	C-202	YS27A1	C-201
YP28U26	H-24	YRB31U28TW	K-52	YS27LB	C-141, C-142
YP29C26	H-22	YRB31U29	C-202	YS27LBOX	C-138
YP2C2	H-22	YRB31U31TW	K-52	YS27UCG1	K-51
YP2U3	H-24	YRB3428T	K-55	YS28	C-139
YPC26R8U	H-26	YRB34U25TW	K-53	YS28A1	C-201
YPC28R28A	H-25	YRB34U28TW	K-53	YS28LB	C-141, C-142
YPC28U26	H-25	YRB34U29TW	K-53	YS28LBOX	C-138
YPC28U28	H-25	YRB34U30TW	K-53	YS28LTCKITC	C-148
YPC28U4	H-25	YRB34U31	C-202	YS28T	C-144
YPC2A8U	H-26	YRB34U31TW	K-53	YS28UCG1	K-51

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YS29	C-139	YS39LB	C-141, C-143	YSCM212	B-61, C-137
YS29A1	C-201	YS39LTCKITC	C-148	YSCM231	B-61, C-137
YS29FXLTCKITC	C-148	YS39T	C-144	YSCM27	B-61, C-137
YS29LB	C-141, C-142	YS3C	C-139	YSCM42	B-61, C-137
YS29LBOX	C-138	YS3CL	C-138	YSCM66	B-61, C-137
YS29T	C-144	YS3CLB	C-141, C-142	YSCM80	B-61, C-137
YS2C	C-139	YS40FXB	C-146	YSD25R25R	H-48
YS2CA1	C-201	YS40LB	C-141, C-143	YSD26R25R	H-48
YS2CFXLTCKITC	C-148	YS42A1	C-201	YSD26R26R	H-48
YS2CLB	C-141, C-142	YS44	C-139	YSD26R2R	H-48
YS2CLBOX	C-138	YS44A1	C-201	YSD26R2W	H-48
YS2CLTCKITC	C-148	YS44FXB	C-146	YSD27R25R	H-48
YS2CT	C-144	YS44FXLTCKITC	C-148	YSD27R26R	H-48
YS2UCG1	K-51	YS44L	C-138	YSD27R27R	H-48
YS30	C-139	YS44LB	C-141, C-143	YSD27R2R	H-48
YS30A1	C-201	YS45A1	C-201	YSD27R2W	H-48
YS30FXB	C-146	YS46	C-139	YSD28R25R	H-48
YS30L	C-138	YS46A1	C-201	YSD28R26R	H-48
YS30LB	C-141, C-142	YS47A1	C-201	YSD28R27R	H-48
YS30T	C-144	YS48	C-139	YSD28R28R	H-48
YS31	C-139	YS483A1	C-201	YSD28R2R	H-48
YS31A1	C-201	YS48A1	C-201	YSD28R2W	H-48
YS31ACG1	K-51	YS4C	C-139	YSE10	B-56
YS31FXB	C-146	YS4CA1	C-201	YSE10BOX	B-56
YS31L	C-138	YS4CFXLTCKITC	C-148	YSE10HHS	B-57
YS31LTCKITC	C-148	YS4CLB	C-141, C-142	YSE10HN	B-54
YS31T	C-144	YS4CLBOX	C-138	YSE14H	B-56
YS32	C-139	YS4CT	C-144	YSE14HBOX	B-56
YS32A1	C-201	YS5C	C-139	YSE14HHS	B-57
YS32FXB	C-146	YS5CLB	C-141, C-142	YSE14HN	B-54
YS32L	C-138	YS5CLBOX	C-138	YSE18H	B-56
YS32LB	C-141, C-143	YS6C	C-139	YSE18HBOX	B-56
YS34	C-139	YS6CA1	C-201	YSE18HHS	B-57
YS34A1	C-201	YS6CFXLTCKITC	C-148	YSE18HN	B-54
YS34FXB	C-146	YS6CLBOX	C-138	YSES10K	B-59
YS34FXLTCKITC	C-148	YS6CT	C-144	YSES14K	B-59
YS34L	C-138	YS8C	C-139	YSES18K	B-59
YS34LB	C-141, C-143	YS8CA1	C-201	YSH2925E	C-185
YS34LTCKITC	C-148	YS8CFXB	C-146	YSH2929	C-185
YS34T	C-144	YS8CFXLTCKITC	C-148	YSH292CE	C-185
YS36	C-139	YS8CLB	C-141, C-142	YSH3429	C-185
YS36A1	C-201	YS8CLBOX	C-138	YSH3434	C-185
YS36-FXB	C-146	YSA25R2N	H-36	YSH3931	C-185
YS36L	C-138	YSA26R2N	H-36	YSH3939	C-185
YS36LB	C-141, C-143	YSA28R2N	H-36	YSHG3429	E-13
YS38FXB	C-146	YSA2R2N	H-36	YSHG3434	E-13
YS38FXLTCKITC	C-148	YSA30R2N	H-36	YSHG3931	E-13
YS38L	C-138	YSA321R2N	H-36	YSHG4429	E-13
YS38LB	C-141, C-143	YSA37R2N	H-36	YSM10	B-60
YS39	C-139	YSCM104	B-61, C-137	YSM14	B-60
YS39A1	C-201	YSCM133	B-61, C-137	YSM18	B-60
YS39AM1	C-201	YSCM167	B-61, C-137	YSM1C	B-60
YS39L	C-138	YSCM17	B-61, C-137	YSM25	B-60

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YSM26.....	B-60	YSR3125FXTCKITC.....	C-168, C-171	YSR38FX31TCKITC.....	C-168, C-170
YSM27.....	B-60	YSR3126FXLTCKITC.....	C-152, C-159	YSR38FX34FXKITC.....	C-174, C-175
YSM28.....	B-60	YSR3128FXLTCKITC.....	C-152, C-159	YSR38FX34FXLKITC.....	C-164, C-165
YSM2C.....	B-60	YSR3128LTCKITC.....	C-152, C-159	YSR38FX34FXLTCKITC.....	C-151, C-158
YSM4C.....	B-60	YSR3128TCKITC.....	C-168, C-171	YSR38FX34LTCKITC.....	C-151, C-158
YSM6C.....	B-60	YSR3129FXKITC.....	C-174, C-175	YSR3928FXLTCKITC.....	C-150, C-157
YSM8C.....	B-60	YSR3129FXLKITC.....	C-164, C-166	YSR3928LTCKITC.....	C-150, C-157
YSP1CT.....	C-144	YSR3129FXLTCKITC.....	C-152, C-159	YSR3928TCKITC.....	C-168, C-170
YSP25T.....	C-144	YSR312CFXLTCKITC.....	C-153, C-159	YSR3929FXKITC.....	C-174, C-175
YSP26T.....	C-144	YSR312CFXTCKITC.....	C-168, C-171	YSR3929FXLKITC.....	C-164, C-165
YSP28T.....	C-144	YSR314CFXLTCKITC.....	C-153, C-159	YSR3929FXLTCKITC.....	C-150, C-157
YSP29T.....	C-144	YSR316CFXLTCKITC.....	C-153, C-159	YSR3929LTCKITC.....	C-150, C-157
YSP2CT.....	C-144	YSR32FX28FXLTCKITC.....	C-153, C-160	YSR3930LTCKITC.....	C-150, C-157
YSP30T.....	C-144	YSR32FX28FXTCKITC.....	C-169, C-171	YSR3931LTCKITC.....	C-150, C-157
YSP31T.....	C-144	YSR32FX29FXLTCKITC.....	C-153, C-160	YSR3931TCKITC.....	C-168, C-170
YSP34T.....	C-144	YSR32FX29FXTCKITC.....	C-169, C-171	YSR3934FXKITC.....	C-174, C-175
YSP39T.....	C-144	YSR3425FXLTCKITC.....	C-151, C-158	YSR3934FXLKITC.....	C-164, C-165
YSP4CT.....	C-144	YSR3425FXTCKITC.....	C-168, C-170	YSR3934FXLTCKITC.....	C-150, C-157
YSR10CFX12CLTCKITC.....	C-156, C-162	YSR3426FXLTCKITC.....	C-151, C-158	YSR3934LTCKITC.....	C-150, C-157
YSR10CFX14CLTCKITC.....	C-156, C-162	YSR3428LTCKITC.....	C-151, C-158	YSR3938FXKITC.....	C-174, C-175
YSR25FX2CFXLTCKITC.....	C-161	YSR3428TCKITC.....	C-168, C-170	YSR3938FXLKITC.....	C-164, C-165
YSR25FX2CFXLTCKITC.....	C-154	YSR3429FXKITC.....	C-174, C-175	YSR3938FXLTCKITC.....	C-150, C-157
YSR25FX4CFXLTCKITC.....	C-154, C-161	YSR3429FXLKITC.....	C-164, C-166	YSR3939LTCKITC.....	C-150, C-157
YSR25FX6CFXLTCKITC.....	C-154, C-161	YSR3429FXLTCKITC.....	C-151, C-158	YSR44FX28FXLTCKITC.....	C-150, C-157
YSR25FX6CFXTCKITC.....	C-169, C-172	YSR3431LTCKITC.....	C-151, C-158	YSR44FX28LTCKITC.....	C-150, C-157
YSR25FX8CFXLTCKITC.....	C-155, C-161	YSR3431TCKITC.....	C-168, C-170	YSR44FX29FXKITC.....	C-174, C-175
YSR26FX25FXLTCKITC.....	C-154, C-161	YSR3434FXKITC.....	C-174, C-175	YSR44FX29FXLKITC.....	C-164, C-165
YSR26FX2CFXLTCKITC.....	C-154, C-161	YSR3434FXLKITC.....	C-164, C-166	YSR44FX29FXLTCKITC.....	C-150, C-157
YSR26FX4CFXLTCKITC.....	C-154, C-161	YSR3434FXLTCKITC.....	C-151, C-158	YSR44FX29LTCKITC.....	C-150, C-157
YSR26FX6CFXLTCKITC.....	C-154, C-161	YSR34FX25FXLTCKITC.....	C-152, C-159	YSR44FX30LTCKITC.....	C-150, C-157
YSR26FX6CFXTCKITC.....	C-169, C-172	YSR34FX25FXTCKITC.....	C-168, C-170	YSR44FX31LTCKITC.....	C-150, C-157
YSR2825FXLTCKITC.....	C-153, C-160	YSR34FX26FXLTCKITC.....	C-152, C-159	YSR44FX31TCKITC.....	C-168, C-170
YSR2825FXTCKITC.....	C-169, C-171	YSR34FX28FXLTCKITC.....	C-152, C-159	YSR44FX34FXKITC.....	C-174, C-175
YSR282CFXLTCKITC.....	C-153, C-160	YSR34FX28FXTCKITC.....	C-168, C-170	YSR44FX34FXLKITC.....	C-164, C-165
YSR282CFXTCKITC.....	C-169, C-171	YSR34FX28LTCKITC.....	C-152, C-159	YSR44FX34FXLTCKITC.....	C-150, C-157
YSR284CFXLTCKITC.....	C-153, C-160	YSR34FX28TCKITC.....	C-168, C-170	YSR44FX34LTCKITC.....	C-150, C-157
YSR286CFXLTCKITC.....	C-153, C-160	YSR34FX29FXKITC.....	C-174, C-175	YSR44FX34TCKITC.....	C-168, C-170
YSR286CFXTCKITC.....	C-169, C-171	YSR34FX29FXLKITC.....	C-164, C-166	YSR44FX38FXKITC.....	C-174, C-175
YSR28FX25FXLTCKITC.....	C-154, C-160	YSR34FX29FXLTCKITC.....	C-152, C-159	YSR44FX38FXLKITC.....	C-164, C-165
YSR28FX26FXLTCKITC.....	C-154, C-160	YSR34FX2CFXLTCKITC.....	C-152, C-159	YSR44FX38FXLTCKITC.....	C-150, C-157
YSR28FX28LTCKITC.....	C-154, C-160	YSR34FX31LTCKITC.....	C-151, C-159	YSR44FX39LTCKITC.....	C-150, C-157
YSR28FX2CFXLTCKITC.....	C-154, C-160	YSR34FX4CFXLTCKITC.....	C-152, C-159	YSR44FX39TCKITC.....	C-168, C-170
YSR28FX4CFXLTCKITC.....	C-154, C-160	YSR34FX6CFXLTCKITC.....	C-152, C-159	YSR4CFX10CLTCKITC.....	C-155, C-161
YSR29FX25FXLTCKITC.....	C-153, C-160	YSR38FX26FXLTCKITC.....	C-151, C-158	YSR4CFX6CFXLTCKITC.....	C-155, C-161
YSR29FX25FXTCKITC.....	C-169, C-171	YSR38FX28FXLTCKITC.....	C-151, C-158	YSR4CFX6CFXTCKITC.....	C-169, C-172
YSR29FX28LTCKITC.....	C-153, C-160	YSR38FX28LTCKITC.....	C-151, C-158	YSR4CFX8CFXLTCKITC.....	C-155, C-161
YSR29FX2CFXLTCKITC.....	C-153, C-160	YSR38FX28TCKITC.....	C-168, C-170	YSR6CFX10CLTCKITC.....	C-155, C-162
YSR29FX2CFXTCKITC.....	C-169, C-171	YSR38FX29FXKITC.....	C-174, C-175	YSR6CFX14CLTCKITC.....	C-155, C-162
YSR2CFX4CFXLTCKITC.....	C-155, C-161	YSR38FX29FXLKITC.....	C-164, C-165	YSR6CFX8CFXLTCKITC.....	C-155, C-162
YSR2CFX6CFXLTCKITC.....	C-155, C-161	YSR38FX29FXLTCKITC.....	C-151, C-158	YSR8CFX10CLTCKITC.....	C-156, C-162
YSR2CFX6CFXTCKITC.....	C-169, C-172	YSR38FX29LTCKITC.....	C-151, C-158	YSR8CFX14CLTCKITC.....	C-156, C-162
YSR2CFX8CFXLTCKITC.....	C-155, C-161	YSR38FX30LTCKITC.....	C-151, C-158	YSS2R.....	H-49
YSR3125FXLTCKITC.....	C-152, C-159	YSR38FX31LTCKITC.....	C-151, C-158	YSS4R.....	H-49

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YSS6R.....	H-49	YSV1CLBOX.....	B-51	YTS330MRTAC5.....	I-20
YSS6RG2.....	H-49	YSV25FXB.....	C-146	YTS331AT.....	I-11
YST2525.....	C-186	YSV25L.....	B-51	YTS34RT34RS.....	I-3
YST2626.....	C-186	YSV25LBOX.....	B-51	YTS34RT34RSHT.....	I-7
YST2825.....	C-186	YSV26FXB.....	C-146	YTS351AT.....	I-11
YST2828.....	C-186	YSV26L.....	B-51	YTS361AT.....	I-11
YST282C.....	C-186	YSV26LBOX.....	B-51	YTS36RT362RS.....	I-3
YST2929.....	C-186	YSV27FXB.....	C-146	YTS36RT362RSHT.....	I-7
YST2C2C.....	C-186	YSV27L.....	B-51	YTS36RT36RS.....	I-3
YST3131.....	C-186	YSV27LBOX.....	B-51	YTS36RT36RSHT.....	I-7
YST3428.....	C-186	YSV28FXB.....	C-146	YTS36RTACCC2.....	I-20
YST3434.....	C-186	YSV28L.....	B-51	YTS375E.....	H-69, I-17
YST3939.....	C-186	YSV28LBOX.....	B-51	YTS391AT.....	I-11
YST4C4C.....	C-186	YSV2CFXB.....	C-146	YTS39AT.....	I-11
YSU25A25A.....	H-47	YSV2CL.....	B-51	YTS39RT43RS.....	I-3
YSU25R25R.....	H-47	YSV2CLBOX.....	B-51	YTS39RT43RSHT.....	I-7
YSU25R2R.....	H-47	YSV4CFXB.....	C-146	YTS39RTACCC2.....	I-20
YSU25R2W.....	H-47	YSV4CL.....	B-51	YTS431AT.....	I-11
YSU25R4W.....	H-47	YSV4CLBOX.....	B-51	YTS438E.....	H-69, I-17
YSU25R6W.....	H-47	YSV6CFXB.....	C-146	YTS43RT43RS.....	I-3
YSU2R2R.....	H-47	YSV6CL.....	B-51	YTS43RT43RSHT.....	I-7
YSU2R2W.....	H-47	YSV6CLBOX.....	B-51	YTS43RTACCC2.....	I-20
YSU2R4W.....	H-47	YSV8CL.....	B-51	YTS445AT.....	I-11
YSU2R6W.....	H-47	YSV8CLBOX.....	B-51	YTS451AT.....	I-11
YSU2R8W.....	H-47	YTA25R2N.....	H-34	YTS451RT449RS.....	I-3
YSU2W2W.....	H-47	YTA262N.....	H-36	YTS451RT449RSHT.....	I-7
YSU2W4W.....	H-47	YTA26R2N.....	H-34	YTS451RT481RS.....	I-3
YSU2W6W.....	H-47	YTA27R2N.....	H-34	YTS451RT481RSHT.....	I-7
YSU2W8W.....	H-47	YTA282N.....	H-36	YTS451RT48RS.....	I-3
YSU4W4W.....	H-47	YTA28R2N.....	H-34	YTS451RT48RSHT.....	I-7
YSU4W6W.....	H-47	YTA2C2N.....	H-36	YTS451RTACCC2.....	I-20
YSU4W8W.....	H-47	YTA2R2N.....	H-34	YTS457AT.....	I-11
YSU6W6W.....	H-47	YTA321R2N.....	H-34	YTS463AT.....	I-11
YSV10.....	B-50	YTA33R2N.....	H-34	YTS470MRTAC5.....	I-20
YSV1014G2.....	B-62	YTA342N.....	H-36	YTS47AT.....	I-11
YSV10BBOX.....	B-49	YTA361R2N.....	H-34	YTS484AT.....	I-11
YSV10BOX.....	B-50	YTA37R2N.....	H-34	YTS486AT.....	I-11
YSV10H.....	B-52	YTA391A2N.....	H-34	YTS48AT.....	I-11
YSV10HBOX.....	B-52	YTA39R2N.....	H-34	YTS48RT481RS.....	I-3
YSV1214G1.....	B-62	YTA43R2N.....	H-34	YTS48RT481RSHT.....	I-7
YSV14.....	B-50	YTS160MRTAC5.....	I-20	YTS48RT48RS.....	I-3
YSV1418.....	B-62	YTS165MRTAC5.....	I-20	YTS48RT48RSHT.....	I-7
YSV14BBOX.....	B-49	YTS235MRTAC5.....	I-20	YTS48RTACCC2.....	I-20
YSV14BOX.....	B-50	YTS245MRTAC5.....	I-20	YTS49RT483RS.....	I-3
YSV14H.....	B-52	YTS301AT.....	I-11	YTS49RT483RSHT.....	I-7
YSV14HBOX.....	B-52	YTS311AT.....	I-11	YTS49RT48RS.....	I-3
YSV18.....	B-50	YTS312E.....	I-17	YTS49RT48RSHT.....	I-7
YSV18BBOX.....	B-49	YTS320RTACCC2.....	I-20	YTS500E.....	I-17
YSV18BOX.....	B-50	YTS32RT33RS.....	I-3	YTS52RT48RS.....	I-3
YSV18H.....	B-52	YTS32RT33RSHT.....	I-7	YTS52RT48RSHT.....	I-7
YSV18HBOX.....	B-52	YTS32RT34RS.....	I-3	YTS52RT521RS.....	I-3
YSV1CFXB.....	C-146	YTS32RT34RSHT.....	I-7	YTS52RT521RSHT.....	I-7
YSV1CL.....	B-51	YTS32RTACCC2.....	I-20	YTS52RT59RS.....	I-3

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YTS52RT59RSHT.....	I-7	YTW48RE15ACCK4.....	I-19	Z2936.....	K-19, K-20
YTS52RTACCC2.....	I-20	YTW52RE15ACCK4.....	I-19	Z2940.....	K-19, K-20
YTS530MRTAC5.....	I-20	YTW530MRE15ACK5.....	I-18	Z2944.....	K-20
YTS545MRTAC5.....	I-20	YTW545MRE15ACK5.....	I-19	Z29NR.....	K-18
YTS549RT521RS.....	I-3	YTW549RE15ACCK4.....	I-19	Z29P.....	K-17
YTS549RT521RSHT.....	I-7	YTW570MRE15ACK5.....	I-19	Z2C28.....	K-19, K-20
YTS549RT549RS.....	I-3	YTW590MRE15ACK5.....	I-19	Z2C29.....	K-19, K-20
YTS549RT549RSHT.....	I-7	YTW610MRE15ACK5.....	I-19	Z2C30.....	K-19
YTS549RT59RS.....	I-3	YTW690MRE15ACK5.....	I-19	Z2C32.....	K-19
YTS549RT59RSHT.....	I-7	YTW710MRE15ACK5.....	I-19	Z2C34.....	K-19
YTS549RTACCC2.....	I-20	YTW760MRE15ACK5.....	I-19	Z2MLDN20.....	K-15
YTS56RT59RS.....	I-3	YTW780MRE15ACK5.....	I-19	Z2MLDN230.....	K-15
YTS56RT59RSHT.....	I-7	Z104C4034.....	K-21	Z2MLDN230B.....	K-15
YTS570MRTAC5.....	I-20	Z104C4434.....	K-21	Z2MLDN40.....	K-15
YTS58RT48RS.....	I-3	Z144C4840.....	K-21	Z2MLDN430.....	K-15
YTS58RT48RSHT.....	I-7	Z1C28.....	K-20	Z2MLDN430B.....	K-15
YTS59RT521RS.....	I-3	Z1C29.....	K-19, K-20	Z2MLDN620.....	K-15
YTS59RT521RSHT.....	I-7	Z1C30.....	K-19, K-20	Z2MLDN630.....	K-15
YTS59RT59RS.....	I-3	Z1C32.....	K-19, K-20	Z2MLDN630B.....	K-15
YTS59RT59RSHT.....	I-7	Z1C34.....	K-19	Z3030.....	K-19
YTS610MRTAC5.....	I-20	Z2528.....	K-19, K-20	Z3032.....	K-19
YTS690MRTAC5.....	I-20	Z2529.....	K-19, K-20	Z3034.....	K-19
YTS710MRTAC5.....	I-20	Z2530.....	K-19, K-20	Z3036.....	K-19
YTS760MRTAC5.....	I-20	Z2532.....	K-19, K-20	Z3040.....	K-19
YTS780MRTAC5.....	I-20	Z2534.....	K-19, K-20	Z30NR.....	K-18
YTTAG388.....	E-25	Z2536.....	K-20	Z3132.....	K-19
YTU25R25R.....	H-33	Z2628.....	K-20	Z3134.....	K-19
YTU25R4W.....	H-33	Z2629.....	K-19, K-20	Z3136.....	K-19
YTU26R26R.....	H-33	Z2630.....	K-19, K-20	Z3140.....	K-19
YTU27R27R.....	H-33	Z2632.....	K-19, K-20	Z3232.....	K-19, K-20
YTU28R28R.....	H-33	Z2634.....	K-19, K-20	Z3234.....	K-19, K-20
YTU30R30R.....	H-33	Z2636.....	K-20	Z3236.....	K-19, K-20
YTU321R26R.....	H-33	Z2640.....	K-20	Z3240.....	K-19, K-20
YTU321R27R.....	H-33	Z2728.....	K-19, K-20	Z3244.....	K-20
YTU321R28R.....	H-33	Z2729.....	K-20	Z32NR.....	K-18
YTU321R2R.....	H-33	Z2730.....	K-19, K-20	Z3334.....	K-19, K-20
YTU321R321R.....	H-33	Z2732.....	K-19, K-20	Z3336.....	K-19, K-20
YTU33R26R.....	H-33	Z2734.....	K-19, K-20	Z3340.....	K-19, K-20
YTU33R28R.....	H-33	Z2736.....	K-20	Z3344.....	K-20
YTU33R33R.....	H-33	Z2740.....	K-20	Z3434.....	K-19, K-20
YTW160MRE15ACK6.....	I-18	Z2828.....	K-19	Z3436.....	K-19, K-20
YTW165MRE15ACK6.....	I-18	Z2829.....	K-19, K-20	Z3440.....	K-19, K-20
YTW235MRE15ACK5.....	I-18	Z2830.....	K-19, K-20	Z3444.....	K-19, K-20
YTW245MRE15ACK6.....	I-18	Z2832.....	K-19, K-20	Z34NR.....	K-18
YTW320RE15ACCC4.....	I-18	Z2834.....	K-19, K-20	Z34NRB.....	K-18
YTW320RE15ACCK4.....	I-18	Z2836.....	K-20	Z34P.....	K-17
YTW32RE15ACCK4.....	I-18	Z2840.....	K-20	Z3536.....	K-19
YTW330MRE15ACK6.....	I-18	Z2844.....	K-20	Z3540.....	K-19
YTW36RE15ACCK4.....	I-18	Z28NR.....	K-18	Z3544.....	K-19
YTW39RE15ACCK4.....	I-18	Z2929.....	K-19, K-20	Z3636.....	K-19, K-20
YTW43RE15ACCK4.....	I-18	Z2930.....	K-19, K-20	Z3640.....	K-19, K-20
YTW451RE15ACCK4.....	I-18	Z2932.....	K-19, K-20	Z3644.....	K-19, K-20
YTW470MRE15ACK5.....	I-18	Z2934.....	K-19, K-20	Z36NR.....	K-18

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

Z3740.....	K-19	ZM430B.....	K-10	ZMLDN520B.....	K-13
Z3744.....	K-19	ZM615.....	K-10	ZMLDN525.....	K-14
Z3840.....	K-19	ZM625.....	K-10	ZMLDN525B.....	K-14
Z3844.....	K-19	ZM625B.....	K-10	ZMLDN530.....	K-14
Z3940.....	K-19	ZM630.....	K-10	ZMLDN530B.....	K-14
Z3944.....	K-19	ZM630B.....	K-10	ZMLDN615.....	K-13
Z3C28.....	K-20	ZM815.....	K-10	ZMLDN620.....	K-13
Z4040.....	K-19	ZM825.....	K-10	ZMLDN620B.....	K-13
Z4044.....	K-19	ZM825B.....	K-10	ZMLDN625.....	K-14
Z40NR.....	K-18	ZM830.....	K-10	ZMLDN625B.....	K-14
Z40NRA.....	K-18	ZM830B.....	K-10	ZMLDN630.....	K-14
Z40P.....	K-17	ZMDN320.....	K-16	ZMLDN630B.....	K-14
Z4144.....	K-19	ZMDN320B.....	K-16	ZMS29.....	K-21
Z4244.....	K-19	ZMDN325.....	K-16	ZMS34.....	K-21
Z4344.....	K-19	ZMDN420.....	K-16	ZMS40.....	K-21
Z4444.....	K-19	ZMDN420B.....	K-16	ZMT1115.....	K-11
Z44NR.....	K-18	ZMDN425.....	K-16	ZMT1125.....	K-11
Z4646.....	K-19	ZMDN520.....	K-16	ZMT1125B.....	K-11
Z46NR.....	K-18	ZMDN520B.....	K-16	ZMT1130.....	K-11
Z4747.....	K-19	ZMDN525.....	K-16	ZMT1130B.....	K-11
Z47NR.....	K-18	ZMDN620.....	K-16	ZMT1315.....	K-11
Z4C28.....	K-19	ZMDN620B.....	K-16	ZMT1325.....	K-11
Z4C29.....	K-19	ZMDN625.....	K-16	ZMT1325B.....	K-11
Z4C30.....	K-19	ZMLDN115.....	K-13	ZMT1330.....	K-11
Z6C28.....	K-19	ZMLDN120.....	K-13	ZMT1330B.....	K-11
Z6C29.....	K-19	ZMLDN120B.....	K-13	ZMT150B.....	K-11
Z6C30.....	K-19	ZMLDN125.....	K-14	ZMT1515.....	K-11
Z72C3029.....	K-21	ZMLDN125B.....	K-14	ZMT1525.....	K-11
Z88C3429.....	K-21	ZMLDN130.....	K-14	ZMT1525B.....	K-11
ZM1015.....	K-10	ZMLDN130B.....	K-14	ZMT1530.....	K-11
ZM1025.....	K-10	ZMLDN215.....	K-13	ZMT1715.....	K-11
ZM1025B.....	K-10	ZMLDN220.....	K-13	ZMT1725.....	K-11
ZM1030.....	K-10	ZMLDN220B.....	K-13	ZMT1725B.....	K-11
ZM1030B.....	K-10	ZMLDN225.....	K-14	ZMT1730.....	K-11
ZM1215.....	K-10	ZMLDN225B.....	K-14	ZMT1730B.....	K-11
ZM1225.....	K-10	ZMLDN230.....	K-14	ZMT315.....	K-11
ZM1225B.....	K-10	ZMLDN230B.....	K-14	ZMT325.....	K-11
ZM1230.....	K-10	ZMLDN315.....	K-13	ZMT325B.....	K-11
ZM1230B.....	K-10	ZMLDN320.....	K-13	ZMT330.....	K-11
ZM1415.....	K-10	ZMLDN320B.....	K-13	ZMT330B.....	K-11
ZM1425.....	K-10	ZMLDN325.....	K-14	ZMT515.....	K-11
ZM1425B.....	K-10	ZMLDN325B.....	K-14	ZMT525.....	K-11
ZM1430.....	K-10	ZMLDN330.....	K-14	ZMT525B.....	K-11
ZM1430B.....	K-10	ZMLDN330B.....	K-14	ZMT530.....	K-11
ZM1615.....	K-10	ZMLDN415.....	K-13	ZMT530B.....	K-11
ZM1625.....	K-10	ZMLDN420.....	K-13	ZMT715.....	K-11
ZM1625B.....	K-10	ZMLDN420B.....	K-13	ZMT725.....	K-11
ZM1630.....	K-10	ZMLDN425.....	K-14	ZMT725B.....	K-11
ZM1630B.....	K-10	ZMLDN425B.....	K-14	ZMT730.....	K-11
ZM415.....	K-10	ZMLDN430.....	K-14	ZMT730B.....	K-11
ZM425.....	K-10	ZMLDN430B.....	K-14	ZMT915.....	K-11
ZM425B.....	K-10	ZMLDN515.....	K-13	ZMT925.....	K-11
ZM430.....	K-10	ZMLDN520.....	K-13	ZMT925B.....	K-11

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

ZMT930	K-11
ZMT930B	K-11
ZMTDN1015	K-17
ZMTDN1025	K-17
ZMTDN815	K-17
ZMTDN820	K-17
ZMX1015	K-12
ZMX1025	K-12
ZMX1025B	K-12
ZMX1030	K-12
ZMX1030B	K-12
ZMX1215	K-12
ZMX1225	K-12
ZMX1225B	K-12
ZMX1230	K-12
ZMX1230B	K-12
ZMX1415	K-12
ZMX1425	K-12
ZMX1425B	K-12
ZMX1430	K-12
ZMX1430B	K-12
ZMX1615	K-12
ZMX1625	K-12
ZMX1625B	K-12
ZMX1630	K-12
ZMX1630B	K-12
ZMX1815	K-12
ZMX1825	K-12
ZMX1825B	K-12
ZMX1830	K-12
ZMX1830B	K-12
ZMX415	K-12
ZMX425	K-12
ZMX425B	K-12
ZMX430	K-12
ZMX430B	K-12
ZMX615	K-12
ZMX625	K-12
ZMX625B	K-12
ZMX630	K-12
ZMX630B	K-12
ZMX815	K-12
ZMX825	K-12
ZMX825B	K-12
ZMX830	K-12
ZMX830B	K-12

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10. **Tooling.** Any tooling required for an initial order will be billed to Buyer. Any Non-Recurring Engineering (NRE) charges invoiced by Seller shall not be deemed to grant any right, title or interest in any tools, dies, jigs, fixtures and items of like nature, or in any design, engineering, trade secret, patent or other proprietary rights embodied in the tooling, upon Buyer's payment of such charges and such items shall at all times be, and remain, the property of Seller.

11. **Warranty.**

11.1 Seller warrants that the Products will perform substantially in accordance with Seller's published specifications (or other applicable specifications as agreed upon in writing by Seller) and will be free from defects in material and workmanship, when subject to normal, proper and intended usage by properly trained personnel, for the following warranty period, which shall begin on the date of shipment by Seller (the "Warranty Period"): (a) **Tools:** The Warranty Period shall be as specified in the product literature or, if no period is so specified, five (5) years; (b) **UL Listed Products:** the Warranty Period shall be two (2) years; (c) for all other products, the Warranty Period shall be 30 days. (d) **For UL Certified Compression Connection (the "Connection"),** provided that the Connection is made using (i) a recommended and properly calibrated tool, (ii) a recommended and properly calibrated die set, and (iii) a compression connector manufactured by Seller and specified in the UL Listing for such connection, and Buyer otherwise complies with the requirements set forth in the applicable UL Listing, Seller warrants that the Connection will conform with the UL Listing for a period of 5 years from the date the Connection is made, provided such Connection is made within one year of the purchase of the connector used in the Connection.

11.2 **Remedies.** During the Warranty Period, Seller agrees to repair or replace, at Seller's option, Products in order to ensure that the Products perform in accordance with the applicable specifications provided that Buyer shall (a) promptly notify Seller in writing upon the discovery of any defect, which notice shall include the product model and serial number (if applicable) and details of the warranty claim; and (b) after Seller's review, Seller will provide Buyer with a RMA. Buyer may return the defective Products to Seller with all costs prepaid by Buyer. In case of a defect in the Connection during the Warranty Period, Seller shall replace the connector used to make such connection. All replaced parts shall become the property of Seller. Shipment to Buyer of repaired or replacement Products shall be made in accordance with the Delivery provisions herein. Any consumables, including but not limited to, bulbs and batteries, are excluded from warranty. Seller will have no obligation to make repairs, replacements or corrections which are defective as a result of: (i) normal wear and tear, (ii) Buyer's misuse, fault or negligence, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage, maintenance, installation and handling of the Products, and in the case of the Connection, Buyer's failure to use Seller's Tool, connector and die set Products, as specified in 11.1 (d) above, and in accordance with the requirements of the UL Listing for such Connection. If Seller determines that Products for which Buyer has requested warranty services are not covered by the warranty hereunder, Buyer shall pay or reimburse Seller for all costs of investigating and responding to such request at Seller's then prevailing time and materials rates. If Seller provides repair services or replacement parts that are not covered by this warranty, Buyer shall pay Seller therefor at Seller's then prevailing time and materials rates. THE OBLIGATIONS CREATED BY THIS WARRANTY TO REPAIR OR REPLACE A DEFECTIVE PRODUCT SHALL BE THE SOLE REMEDY OF BUYER IN THE EVENT OF A DEFECTIVE PRODUCT OR SERVICE. EXCEPT AS EXPRESSLY PROVIDED HEREIN, SELLER DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, WITH RESPECT TO THE PRODUCTS, INCLUDING WITHOUT LIMITATION ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. In no event will Seller's aggregate liability under warranty exceed the price paid by Buyer for the defective Product. Products supplied by Seller that are obtained by Seller from a third party supplier are not warranted by Seller. At

STANDARD TERMS AND CONDITIONS OF SALE

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17. Miscellaneous. (a) Any legal claim shall be controlled under the laws of the state of the Seller's primary place of business. Seller and Buyer agree to accept and be bound by the exclusive jurisdiction of the federal and state courts thereof. The application to this Agreement of the U.N. Convention on Contracts for the International Sale of Goods is hereby expressly excluded.

(b) In the event that any one or more provisions contained in these terms shall be held by a court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall remain in full force and effect.

(c) Seller's failure to enforce or waiver of a breach of any provision contained herein shall not constitute a waiver of any other breach or of such provision.

(d) Any notice or communication required or permitted hereunder shall be in writing and shall be deemed received when personally delivered or three (3) business days after being sent by certified mail, postage prepaid, to a party at the address specified herein or at such other address as either party may from time to time designate to the other. (e) Buyer may not assign or delegate any rights or obligations without Seller's prior written consent. (f) Seller reserves the right to place a Lien and notifications of liens should Seller not be paid for equipment provided hereunder.

(g) Buyer agrees that all pricing, discounts, data, design and technical information, operations/maintenance manuals, testing procedures, drawings, schematics and any other information regarding the Products or Seller's processes provided by Seller to Buyer are the confidential and proprietary information of Seller. Buyer agrees to (a) keep such information confidential and not disclose such information to any third party, and (b) use such information solely for Buyer's internal purposes and in connection with the Products supplied hereunder. Nothing herein shall restrict the use of information available to the general public.



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Table of Contents

Introduction	
Basic Connection Principles.....	0-2
Hardware Data	
DURIUM™ Steel/Aluminum Tightening Torques	0-6
DURIUM™ Hex Bolts Data.....	0-6
UL Tightening Torque UL 486.....	0-7
Recommended Clamping on Bolted Connectors.....	0-9
Cable Data (Tables)	
Copper Cable	
Copper Tube.....	0-10
Solid Copper Wire.....	0-11
Compact Stranded Copper Cable.....	0-11
Stranded Copper Cable.....	0-12
Flexible Copper Stranded Cable.....	0-14
Aluminum and ACSR Cable	
Aluminum Tube	0-15
Aluminum 1350 Cable Bare - Classes AA and A	0-16
Aluminum 1350 Cable Bare - Class B	0-17
ACSR Cable	0-18
High Strength ACSR Cable	0-19
Compact Aluminum 1350 Cable.....	0-19
Aluminum Alloy 5005 Cable	0-20
Aluminum 6201 Cable	0-20
Aluminum Alloy 8000 Series "O" Temper Cable.....	0-21
Compact ACSR Cable.....	0-23
ACSR/TW Cable (Trap Wire).....	0-23
AAC/TW Cable (All Aluminum Trap Wire)	0-24
ACAR Cable	0-25
SSAC Cable.....	0-25
Steel Conductors	
Solid COPPERWELD® Cable.....	0-27
Stranded COPPERWELD® - Copper Cable.....	0-27
COPPERWELD® Copper Cable	0-28
Galvanized Steel Cable	0-29
Aluminum Coated Steel Cable.....	0-30
Terminal Stud Size Chart	0-30
AWG vs. Metric Wire Sizes.....	0-31
Inches - Millimeters Conversion Chart.....	0-33
BURNDY Conductor Numbering System	0-34
Die Index Reference	0-36
Present Installation Tool Index.....	0-37
Color Coding for Overhead Connectors	0-48
Color Coding for AL/CU Connectors.....	0-48
Color Coding for Copper Lugs and Splices	0-49
Product/Trade Name Index.....	0-50
Alpha-numeric Index.....	0-51
Standard Terms and Conditions of Sale.....	0-124

Introduction - Basic Electrical Connection Principles

Basic Factors:

The basic factors which influence the design and performance of pressure wire connections are as follows:

1. Creep
2. Surface Oxide
3. Corrosion

A fourth factor, known as thermal effects, is also a consideration, but due to the technical nature and length of this topic, it will not be discussed here.

At the outset it should be pointed out that these factors give rise to much more difficult problems in connections involving aluminum conductors than those encountered in copper to copper connections.

Creep (Cold Flow)

Creep is the cold flow of the metal under pressure and it continues until the pressure reduces to a value at which any further creep is negligible. Creep properties depend on the particular metal or alloy and on its hardness; alloys having less creep than pure metals, and harder metals have less creep than soft metals. In a typical connection, the conductors are generally of pure metal and often of soft temper and therefore, subject to considerable creep. In addition, the condition is further exaggerated when aluminum is the conductor as compared to copper, since its creep rate is many times that of copper.

Effect of Creep: Figure 2 shows typical curves of total contact resistance plotted against total contact force. Curve A shows how the contact resistance continually decreases with increasing contact force. When the full contact force F_1 is reached, the contact resistance reaches the low value of R_1 . In general, the full tightening force on a connector greatly exceeds the maximum force for which there is no appreciable creep. Therefore, the force will gradually settle down to a value after which there will be no further significant creep. Fortunately, however, the resistance does not climb back up along curve A, the tightening curve, but instead it follows a new curve B, the relaxing curve, along which the resistance changes very little until the force relaxes to a value such as F_2 .

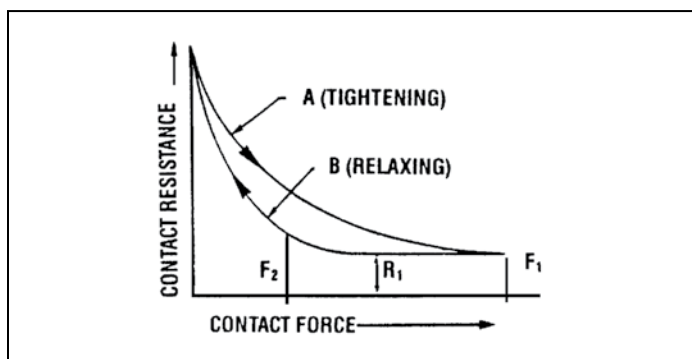


Figure 2

Admittedly, the point of “no appreciable creep” is difficult to define. For pure metals, especially in the soft state, there is always some creep, even at very low pressures at room temperature. However, we do know that the pressure required to produce the same creep rate is several times greater for copper than for aluminum. Thus, to permit the same contact force F_2 for aluminum and copper, the contact area A required for aluminum can be expected to be considerably greater than that required for copper. This explains why the contact areas for connectors for aluminum must be considerably greater than for copper and why many light duty connectors for copper are entirely inadequate for aluminum, even when specially plated and when recommended compounds are used on the contact surfaces.

Relaxation: Relaxation of pressure due to creep, or for any other reason, would be a much more difficult factor in a pressure connection were it not for the relationship of contact pressure to contact resistance on the relaxation curve as shown in Figure 2. It is frequently observed that some time after the bolts of a clamp type connector are tightened, the bolt tensions are relaxed appreciably. The question arises as to whether it is necessary to retighten the bolts to the original torque value. In a properly designed connector, retightening is unnecessary since the contact resistance should increase very little due to the relaxation of pressure, as shown by the relaxation curve of Figure 2.

This fact is largely responsible for the successful operation of a compression connector. The application of the compression tool applies very high pressure, establishing very low contact resistance. The removal of the compression tool releases a very large proportion of this pressure, and creep further relaxes this pressure. Fortunately, the contact resistance increases very little due to this pressure relaxation.

Contact Force: The previous analysis shows that the total contact force largely determines the contact resistance. Thus, to achieve the desired low value of contact resistance, the proper size and number of bolts in a clamp type connector must be supplied, and the compression tool must apply the proper force to a compression connector. In addition, the connector must be designed with sufficient structural strength, contact area, and resilience, to assure that the contact force cannot relax beyond the point where contact resistance begins to rise appreciably, as shown in Figure 2.

Surface Oxide

The contact of pure metallic surfaces cannot be assured in practical connections. Surface contamination must be expected, especially surface oxidation. These surface films are insulators as far as contact resistance is concerned, and they must be broken to achieve metal to metal contact to make an adequate electrical connection. The difficulty of breaking the film depends on the nature of the film, its thickness, and the metal on which it is formed.

Copper oxide is generally broken down by reasonably low values of contact pressure. Unless the copper is badly oxidized, good contact can be obtained with very little or no cleaning.

Introduction - Basic Electrical Connection Principles (continued)

Silver oxide is even more easily broken down by the contact pressure; and since silver oxide forms less readily at elevated temperatures, silver contact surfaces are preferred over copper when used for high temperatures. For this reason, it is considered good practice to silver plate copper contact surfaces that must operate at temperatures over 200° C.

On the other hand, aluminum oxide is a hard, tenacious, high resistance film that forms very rapidly on the surface of aluminum exposed to air. In fact, it is the toughness of this film that gives aluminum its good corrosion resistance. The oxide film that forms after more than a few hours is too thick and tough to permit a low resistance contact without cleaning. The aluminum oxide film is transparent so that even the bright and clean appearance of an aluminum connector is no assurance that the low contact resistance can be attained without cleaning.

In addition to the necessity for cleaning the oxide from aluminum, the surface should be covered with a good connector compound to prevent the oxide from reforming. Common practice is to clean the surface with a wire brush or emery cloth. The compound should be applied immediately after cleaning, or the compound should be put on first and the surface scraped through the compound. Present practice is to scratch brush dry and to apply the compound immediately thereafter. This allows a more thorough job of cleaning the conductor.

Contact Compounds: Petrolatum or No-Oxid are good contact surface compounds for aluminum, but BURNDY® PENETROX™ A, a petroleum type compound containing zinc dust, has the additional advantage of assisting in the breaking down of the contact resistance. How this is accomplished is not certain, but it appears that the zinc particles of PENETROX™ A probably act as current bridges in the breaks in the oxide film. For more complete information about the PENETROX™ line of compounds, refer to the Accessories section of this catalog.

Interstrand Resistance: The high contact resistance due to the oxide on the strands of an aluminum cable may be responsible for a poor distribution of current among the strands on the cable. Thus, the outer strands may carry much more than their share of the current and overheating of the cable may result. Tests have shown that even on new cable this effect of interstrand resistance can be considerable unless a good contact compound is used. The clamping action tends to break down the oxide and force the compound between the strands. This is particularly true of compression connectors due to the very high unit pressures developed.

The most effective way to break down interstrand resistance of aluminum cable is to use compression connectors filled with a compound having zinc particles. Then, when the end of the cable is inserted in the connector, the compound is forced between the strands where it very effectively breaks down the interstrand resistance upon application of the compressive force.

Plating Aluminum: Plating the contact surfaces of aluminum connectors will prevent the formation of aluminum oxide. Electro-tin, cadmium and zinc platings have been used for this purpose. However, the use of a plated aluminum connector does not make it less necessary to scratch brush the aluminum conductor, nor does it reduce the need for a good contact compound. Additional problems are introduced due to the plating on aluminum which render it of very doubtful value over the proper use of base aluminum. This will be more fully discussed later.

Corrosion

The electrical conductivity and mechanical strength of an electrical connection must remain stable under the deteriorating influences of the environment. This deterioration is corrosion. It is the electrolytic action of moisture and other elements of the atmosphere in conjunction with the metals of the connection. If the conductors and connectors are of copper or a corrosion resistant copper alloy, corrosion is usually a minor factor. However, it is a very vital factor if aluminum is involved.

If moisture can be kept away from the connection, corrosion will not be a factor. The electrical connection of a high voltage splice on insulated cable is generally free from corrosion since the taping may be used to avoid corrosion on bare cable, provided it excludes moisture. It is difficult to get a good tape seal to the conductor itself, especially on stranded cable. If moisture does penetrate the taping, it will not dry out as readily as if the joint were untaped. Various plastic materials are available today for covering low voltage connections or for bare conductor connections on high voltage. Unless such coverings are completely moisture-proof, it is better to rely on installation with a good contact compound, using a connector designed to resist corrosion.

Galvanic Action: Whenever dissimilar metals are in the presence of an electrolyte, a difference in electric potential is developed. One metal becomes the cathode and receives a positive charge. The other becomes the anode and receives a negative charge. When these metals are in contact, an electrical current will flow, as in the case of any short-circuited electric cell. This electrolytic action causes an attack of the anodic metal, leaving the cathodic metal unharmed. The extent of the attack is proportional to the strength of the electrolytic current, which in turn is proportional to the electric potential difference developed.

The magnitude of the potential difference generated between two dissimilar metals can be seen by the position of these metals in the electrolytic series. Figure 3 is such a series. When two metals are in contact in an electrolyte, the one higher up in this series is the anode, the corroded metal, while the one lower is the cathode, the protected metal. The further apart the metals are in this series, the greater the electrolytic potential difference, and the greater the attack to the anodic metal. Note that copper and aluminum are quite far apart in the series, copper being cathodic and aluminum anodic. Hence, when aluminum and copper are in contact in an electrolyte, the aluminum can be expected to be severely attacked.

Crevice Corrosion: Electrolytic attack can also occur between like metals due to a phenomenon known as oxygen concentration cell or crevice corrosion. Since oxygen is necessary for corrosive action, a variation in the concentration of oxygen where a metal is exposed to an electrolyte will generate a difference of potential, and cause a corrosive attack in the oxygen starved area. Thus, since an electrolyte in a deep crevice is freely exposed to the air at the outside, the concentration of oxygen will be greatest at the mouth of the crevice. Then corrosion can be expected to occur in the crevice remote from the surface. Crevice corrosion can be prevented if the crevice is filled with a compound to exclude moisture. Thus, within the contact groove of an aluminum connector containing an aluminum conductor, there will be numerous crevices in which corrosion will take place unless a good connector compound is applied during installation. Copper, being a more noble metal, appears to be much less subject to crevice corrosion.

Introduction - Basic Electrical Connection Principles (continued)

- ✦ LESS NOBLE (ANODIC)
- ↓ Magnesium
- ↓ Magnesium alloys
- ↓ Zinc
- ↓ Aluminum 1100
- ↓ Cadmium
- ↓ Aluminum 2024-T4
- ↓ Steel or Iron
- ↓ Cast Iron
- ↓ Chromium Iron (Active)
- ↓ Ni-Resist
- ↓ Type 304 Stainless (Active)
- ↓ Type 316 Stainless (Active)
- ↓ Lead Tin Solders
- ↓ Lead
- ↓ Tin
- ↓ Nickel (Active)
- ↓ Inconel
- ↓ Brasses
- ↓ Copper
- ↓ Bronzes
- ↓ Copper-Nickel alloys
- ↓ Monel
- ↓ Silver Solder
- ↓ Nickel (Passive)
- ↓ Inconel (Passive)
- ↓ Chromium-Iron (Passive)
- ↓ Type 304 Stainless (Passive)
- ↓ Type 316 Stainless (Passive)
- ↓ Silver
- ↓ Titanium
- ↓ Graphite
- ↓ Gold
- ↓ Platinum
- MORE NOBLE (CATHODIC)

Figure 3

Corrosion Testing: The effectiveness of an electrical connection to resist corrosion can be tested in the laboratory under conditions designed to greatly accelerate the natural corrosive conditions of actual service. The most widely accepted means is the standard salt spray chamber. In this chamber the specimens are placed in a salt fog made by atomizing a 20% salt solution at 100° F.

BURNDY, as well as other manufacturers and utility companies, have done a great deal of testing and a considerable area of agreement has been reached. There are, however, minor differences in recommended practices. The problem is concerned with aluminum and aluminum to copper connections since the effect of corrosion on copper to copper connections is far less serious. Let us study the recommended practices.

Aluminum to Aluminum Connections: For joining aluminum to aluminum conductors, there is little disagreement that an aluminum bodied connector is the proper choice, since this obviously eliminates the galvanic corrosion of dissimilar metals. However, even in this case, care must be taken to prevent crevice corrosion and to select an alloy of aluminum for the connector body that is free from cracking due to stress corrosion.

Aluminum to Copper Connections: Similarly, for joining aluminum to copper conductors, an aluminum bodied connector is the best choice since it prevents galvanic corrosion of the aluminum conductor, the most vulnerable element to attack in the connection. Realizing this, BURNDY initiated a research program aimed at finding the best way to make an aluminum connector suitable for joining aluminum to copper conductors.

This led to the evolution of the "Massive Anode Principle" of connector design for joining conductors of dissimilar metal. On the basis of this principle, properly designed, all-aluminum connectors became available for universal use in joining aluminum to aluminum or aluminum to copper conductors.

Massive Anode Principle: By making the aluminum connector massive in comparison to the copper conductor, when the copper conductor emerges from the connector, the electrolytic current density over the exposed face of the aluminum connector is greatly reduced. This is schematically represented in Figure 4. Since the rate of corrosion is directly related to the current density on the surface of the anodic material, the relatively large face of the aluminum connector will suffer only minor attack.

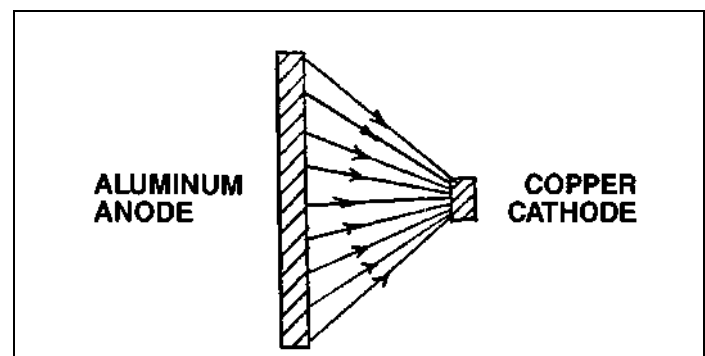


Figure 4

In addition, because the aluminum connector body is massive in the region where the corrosion occurs, the small loss of metal caused by corrosion is insignificant, even after long periods of service. Furthermore, the connector design should be such that clamping bolts, and areas of high stress which provide structural strength, are not in the regions subject to galvanic attack.

The effectiveness of this theory has been amply demonstrated in salt spray corrosion tests in which the connectors were subject to 1,000 hours in the salt

Introduction - Basic Electrical Connection Principles (continued)

spray fog with only minor corrosive pitting adjacent to the copper conductor, as seen in Figure 5. In addition, the aluminum conductor was completely protected, and the joint resistance remained virtually unchanged. The test involved a wide variety of sizes and types of connectors showing the effectiveness for small service connectors as well as large power connectors. Figure 6 shows a large all aluminum clamp type T connector installed on 3-1/2" diameter copper run and 750 kcmil aluminum tap. The figure shows this connector which was opened up after 1,400 hours of the salt spray test. Note that the contact surfaces are bright and clean and the only evidence is minor pitting along the faces adjacent to the copper.

*It should be emphasized that a good compound should be used on the contact surfaces whether aluminum or copper is used in an aluminum connector.

Position of Conductor: A properly designed aluminum connector for joining aluminum to copper must provide adequate separation between the conductors to prevent electrolytic attack on the aluminum conductor. Even then, it is good practice to install the aluminum conductor above the copper conductor if possible. This will prevent pitting of the aluminum conductor due to copper salts being washed over the aluminum.

Plated Aluminum Connectors: Plating has been used as a means to make an aluminum connector suitable for copper conductor. Such platings as copper, zinc, tin and cadmium have been used. The plating of aluminum is much more critical than plating a more noble metal such as copper. In addition, a preplate, usually of copper or brass, must be applied, thus introducing numerous metals and further possibilities for galvanic corrosion.

To be effective in reducing galvanic corrosion between the copper conductor and the aluminum connector, the plated metal must be closer in the Electrolytic Series to copper than is aluminum. It must therefore, be cathodic to aluminum. Since porosity and minor scratches are always present, galvanic action can be expected in the presence of moisture, resulting in attack of the aluminum under the plating. Corrosion tests reveal attack in the form of a mottled appearance and flaking of the plating.

In addition, the presence of plated metal can cause galvanic attack of the aluminum conductor, thus reducing the protection offered to this conductor in an aluminum connector.

Cleaning and the Use of Compound: It should be emphasized that when aluminum connectors or conductors are involved, proper cleaning of the aluminum and the use of a good connector compound, such as BURNDY PENETROX™ A, are essential for trouble-free service. BURNDY, as well as other manufacturers, provide the contact grooves with a coating to make it unnecessary to clean the connectors, but in all cases the aluminum conductor should be cleaned by means such as scratch brushing, and immediately coated with the connector compound.

To simplify the application of the compound, and to assure its use, almost all BURNDY aluminum connectors, except the large clamp type substation connectors, are supplied factory filled with PENETROX™ compound. For the tubular compression connectors, the tubular barrels are sufficiently filled with PENETROX™ and capped. For other types, the contact grooves are filled with PENETROX™ and enclosed in plastic packaging in a process called 'stripsealing'.

Clamp vs. Compression: In general, a compression connection can be expected to be more corrosion resistant than a clamp connection. The high pressures applied to a compression connector more effectively seal the contact against the penetration of moisture. The tubular sleeve of a compression connector has no side openings such as exist in clamp connectors between the clamping members. On the other hand, the clamp connector can be made more corrosion resistant if the conductor grooves conform more closely with the conductor contour. Thus a clamp connector made to accommodate a wide range of conductor sizes cannot be expected to be as corrosion resistant as one designed for one specific conductor size. Nevertheless, the differences in effectiveness of various designs can be minimized if a good contact compound is used.

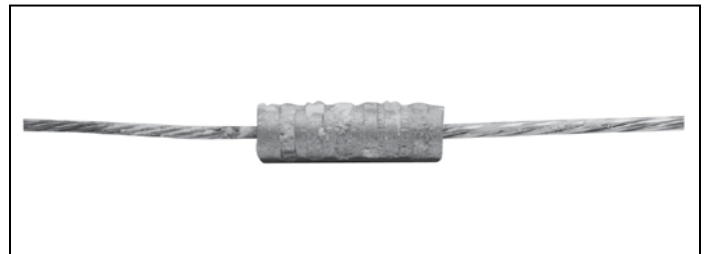


Figure 5

Negligible Corrosion of Severe Salt Spray on Compression Connector Joining Aluminum to Copper.

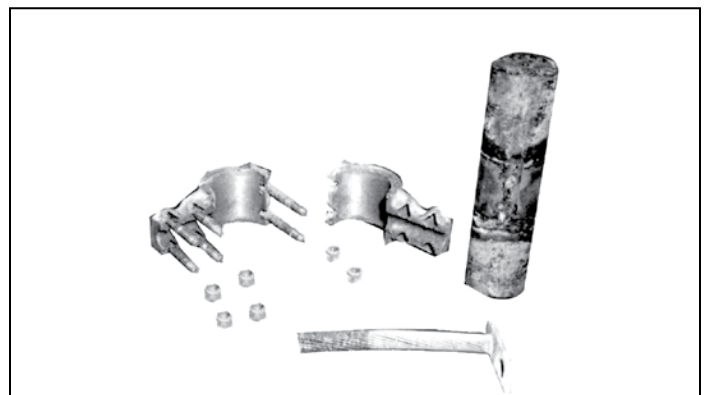


Figure 6

Large Aluminum Bolted Connector Joining Copper Run to Aluminum Tap After Severe Salt Spray Test.

HARDWARE DATA

Recommended Tightening Torque

The hardware used in connectors must be compatible with the connector material, have high mechanical strength and be corrosion resistant.

Copper alloy connectors have hardware made of DURIMUM™, which is the BURNDY trade name for silicon bronze alloy ASTM B99. This material was first introduced by BURNDY in 1927 for use in outdoor construction and today is the standard throughout the industry.

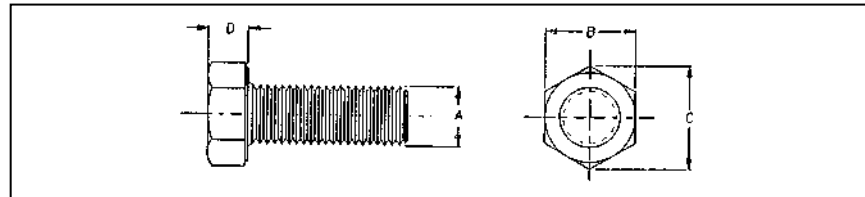
Aluminum connectors generally have aluminum alloy hardware. The bolts are 2024T4 and anodized to resist corrosion. The nuts are 6061T6, which is resistant to corrosion and does not require anodizing. Bolts are lubricated to eliminate galling and to provide consistent clamping forces.

The size material for clamping hardware are selected to provide the required force when tightened to the recommended torque. To reduce or greatly exceed the recommended torque can adversely affect the performance of the connector.

Steel Hardware	
Bolt Size	Recommended Torque (Inch Pounds)
1/4 - 20	80
5/16 - 18	180
3/8 - 16	240
1/2 - 13	480
5/8 - 11	660
3/4 - 10	1050

Aluminum Hardware	
Bolt Size	Recommended Torque (Inch Pounds)
1/2 - 13	300
5/8 - 11	480
3/4 - 10	650

DURIMUM™ (Silicon Bronze) Hexagonal Bolt Data



DURIMUM™ (Silicon Bronze) Hardware							
Catalog Number Series*	"A" Bolt Size	"B"	"C"	"D"	Recommended Torque (in-lb)**	Min. Breaking Force (lb)	Min. Shearing Force (lb)
25X__HEB	1/4 - 20	7/16	.50	.16	80	1,780	990
31X__HEB	5/16 - 18	1/2	.56	.21	180	2,930	1,640
38X__HEB	3/8 - 16	9/16	.65	.24	240	4,350	2,430
50X__HEB	1/2 - 13	3/4	.87	.32	480	7,950	4,460
62X__HEB	5/8 - 11	15/16	1.08	.40	660	12,700	7,100
75X__HEB	3/4 - 10	1-1/8	1.30	.48	1050	17,510	10,540

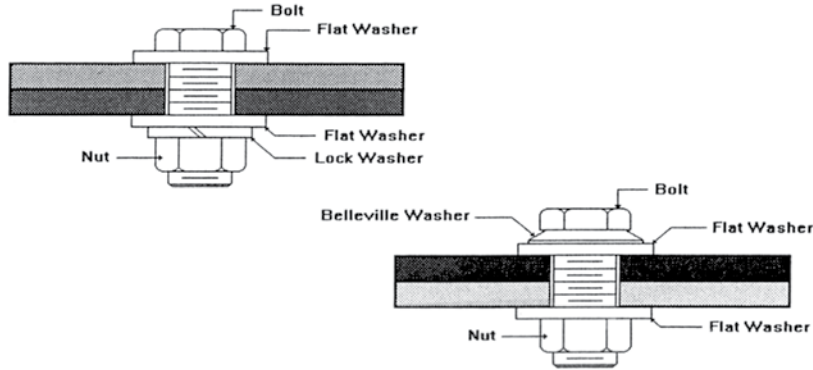
* __ __ is substituted for bolt length; Consult sales representative for available lengths

**These torque values develop maximum bolt preload

This drawing is based on BURNDY engineering specification

HARDWARE DATA (continued)

Recommended Termination Hardware



Recommended Tightening Torque per UL486A & UL486B

Table 21 - Tightening torque for screws

Test Conductor Size Installed in Connector		Tightening Torque, N•m (lbf-in)							
		Slotted Head No. 10 and Larger*				Hexagonal Head - External Drive Socket Wrench			
		Slot Width - 1.2mm (.047 in) or Less and Slot Length - 6.4mm (1/4 in.) or less		Slot Width - Over 1.2mm (.047 in) or Slot Length - Over 6.4mm (1/4 in.)		Split-Bolt Connectors		Other Connectors	
AWG or kcmil	mm ²	A	B	A	B	A	B	A	B
30 - 10	.05 - 5.3	1.7 (15)	2.3 (20)	2.8 (25)	4.0 (35)	7.3 (65)	9.0 (80)	6.8 (60)	8.5 (75)
8	8.4	2.3 (20)	2.8 (25)	3.4 (30)	4.5 (40)	7.3 (65)	9.0 (80)	6.8 (60)	8.5 (75)
6 - 4	13.2 - 21.2	2.8 (25)	4.0 (35)	4.0 (35)	5.1 (45)	15.3 (135)	18.6 (165)	10.2 (90)	12.4 (110)
3	26.7	2.8 (25)	4.0 (35)	4.5 (40)	5.6 (50)	25.4 (225)	31.1 (275)	14.1 (125)	16.9 (150)
2	33.6	3.4 (30)	4.5 (40)	4.5 (40)	5.6 (50)	25.4 (225)	31.1 (275)	14.1 (125)	16.9 (150)
1	42.4	-	-	4.5 (40)	5.6 (50)	25.4 (225)	31.1 (275)	14.1 (125)	16.9 (150)
1/0 - 2/0	53.5 - 67.4	-	-	4.5 (40)	5.6 (50)	35.6 (315)	43.5 (385)	16.9 (150)	20.3 (180)
3/0 - 4/0	85.0 - 107.2	-	-	4.5 (40)	5.6 (50)	45.2 (400)	56.5 (500)	22.6 (200)	28.2 (250)
250 - 350	127 - 177	-	-	4.5 (40)	5.6 (50)	62.1 (550)	73.4 (650)	28.2 (250)	36.7 (325)
400	203	-	-	4.5 (40)	5.6 (50)	76.3 (675)	93.2 (825)	28.2 (250)	36.7 (325)
500	253	-	-	4.5 (40)	5.6 (50)	76.3 (675)	93.2 (825)	33.9 (300)	42.4 (375)
600 - 750	304 - 380	-	-	4.5 (40)	5.6 (50)	90.4 (800)	113.0 (1000)	33.9 (300)	42.4 (375)
800 - 1000	406 - 508	-	-	4.5 (40)	5.6 (50)	111.7 (900)	124.3 (1100)	45.2 (400)	56.5 (500)
1250 - 2000	635 - 1000	-	-	-	-	111.7 (900)	124.3 (1100)	56.5 (500)	67.8 (600)

* For values of slot width or length not corresponding to those specified, select the largest torque value associated with the conductor size. Slot width is the nominal design value. Slot length shall be measured at the bottom of the slot.

HARDWARE DATA (continued)

Recommended Tightening Torque per UL486A & UL486B

Table 22 - Tightening torque for slotted head screws smaller than No. 10 intended for use with 8 AWG (8.4 mm²) or smaller conductors

Slot Length of Screw*		Tightening Torque, N•m (lbf-in)			
		Slot Width of Screw Smaller than 1.2 mm (.047 in.) ^b		Slot Width of Screw 1.2mm (.047 in.) and larger**	
mm	inch	A	B	A	B
Less than 4	Less than 5/32	0.68 (6)	0.79 (7)	0.79 (7)	1.0 (9)
4	5/32	0.68 (6)	0.79 (7)	1.1 (10)	1.4 (12)
4.8	3/16	0.68 (6)	0.79 (7)	1.1 (10)	1.4 (12)
5.6	7/32	0.68 (6)	0.79 (7)	1.1 (10)	1.4 (12)
6.4	1/4	0.79 (7)	1.0 (9)	1.1 (10)	1.4 (12)
7.1	9/32	-	-	1.4 (12)	1.7 (15)
Above 7.1	Above 9/32	-	-	1.8 (16)	2.3 (20)

* For slot lengths of intermediate values, select torques pertaining to next shorter slot length.

Also see Table 21 for screws with multiple tightening means.

Slot length shall be measured at the bottom of the slot.

** Slot width is the nominal design value

Recommended Tightening Torque per UL486A & UL486B

Table 23 - Tightening torque for screws with recessed allen or square drives

Socket Width Across Flats*		Tightening Torque, N•m (lbf-in)	
mm	inch	A	B
3.2	1/8	4.0 (35)	5.1 (45)
4.0	5/32	9.0 (80)	11.3 (100)
4.8	3/16	11.3 (100)	13.6 (120)
5.6	7/32	13.6 (120)	16.9 (150)
6.4	1/4	16.9 (150)	25.4 (225)
7.9	5/16	25.4 (225)	33.9 (300)
9.5	3/8	33.9 (300)	45.2 (400)
12.7	1/2	45.2 (400)	56.6 (500)
14.3	9/16	56.6 (500)	67.8 (600)

* See Table 21 for screws with multiple tightening means

HARDWARE DATA (continued)

Recommended Clamping on Bolted Connectors:

When installing a bolted connector, an appropriate sequence needs to be followed.

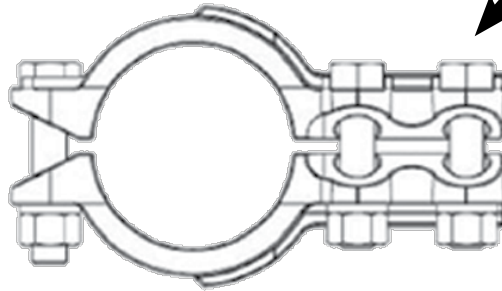
INSTALLATION INSTRUCTIONS:

1. Nuts need to be tightened up to 30% of expected torque.
2. A check needs to be done to ensure the clamping elements are even.

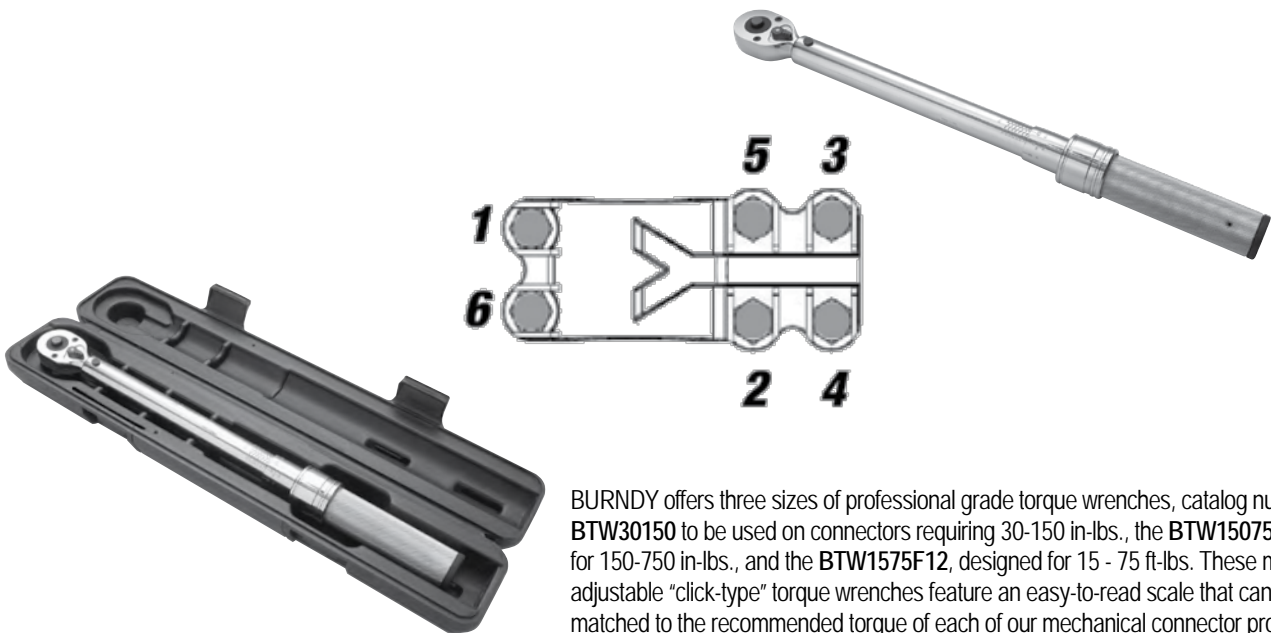
Even clamping elements



Tightened up to 30%



3. Tightening has to follow a sequence (1-6) as shown below. As a general rule, the torque has to be applied to the nut. For ease of installation most connectors are designed for one wrench installation. A torque wrench is recommended when tightening the nut to ensure the proper torque is applied.



BURNDY offers three sizes of professional grade torque wrenches, catalog number **BTW30150** to be used on connectors requiring 30-150 in-lbs., the **BTW150750**, designed for 150-750 in-lbs., and the **BTW1575F12**, designed for 15 - 75 ft-lbs. These micro-adjustable "click-type" torque wrenches feature an easy-to-read scale that can be easily matched to the recommended torque of each of our mechanical connector products. Calibration traceable to N.I.S.T.

CABLE DATA

Copper Tube (Bus)

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
STANDARD PIPE SIZES			
1/4"	0.540	0.375	0.082
3/8"	0.675	0.494	0.090
1/2"	0.840	0.625	0.107
3/4"	1.050	0.822	0.114
1"	1.315	1.062	0.126
1-1/4"	1.660	1.368	0.146
1-1/2"	1.900	1.600	0.150
2"	2.375	2.062	0.156
2-1/2"	2.875	2.500	0.187
3"	3.500	3.062	0.219
3-1/2"	4.000	3.500	0.250
4"	4.500	4.000	0.250
4-1/2"	5.000	4.500	0.250
5"	5.563	5.063	0.250
6"	6.625	6.125	0.250
EXTRA HEAVY PIPE SIZES			
1/4"	0.540	0.294	0.123
3/8"	0.675	0.421	0.127
1/2"	0.840	0.542	0.149
3/4"	1.050	0.736	0.157
1"	1.315	0.951	0.182
1-1/4"	1.660	1.272	0.194
1-1/2"	1.900	1.494	0.203
2"	2.375	1.933	0.221
2-1/2"	2.875	2.315	0.280
3"	3.500	2.892	0.304
3-1/2"	4.000	3.358	0.321
4"	4.500	3.818	0.341
4-1/2"	5.000	4.250	0.375
5"	5.563	4.813	0.375
6"	6.625	5.751	0.437

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
DOUBLE EXTRA HEAVY PIPE SIZES			
1/2"	0.840	0.252	0.294
3/4"	1.050	0.434	0.308
1"	1.315	0.599	0.358
1-1/4"	1.660	0.896	0.382
1-1/2"	1.900	1.100	0.400
2"	2.375	1.503	0.436
2-1/2"	2.875	1.771	0.552
3"	3.500	2.300	0.600
3-1/2"	4.000	2.728	0.636
4"	4.500	3.152	0.674
4-1/2"	5.000	3.580	0.710
5"	5.563	4.063	0.750
6"	6.625	4.897	0.864

Tube dimensions (excepting wall thickness of double extra heavy) taken from A.S.T.M. Specification B42-33.

Tubular values based on a density of 0.322 pound per cubic inch.

* Conductivity of 98% I.A.C.S. at 20° C or 68° F

CABLE DATA (continued)

Solid Copper Wire (ASTM B1, B2, & B3)

Size AWG (Solid)	Wire Dia (Inch)	Hard Drawn	Medium Drawn	Soft Drawn
		Normal Breaking Load (Pounds)	Minimum Breaking Load (Pounds)	Elongation in 10 in. % Min.
18	.040	85.8	67.6	25
17	.045	107.5	84.7	25
16	.050	135.2	106.2	25
15	.057	170.0	133.0	25
14	.064	213.8	166.6	25
13	.071	268.2	208.0	25
12	.080	337.0	261.6	25
11	.090	422.5	327.6	25
10	.101	529.2	410.4	25
9	.114	661.0	514.2	30
8	.128	826.0	643.9	30
7	.144	1,030.0	806.6	30
6	.162	1,280.0	1,010.0	30
5	.181	1,591.0	1,265.0	30
4	.204	1,970.0	1,584.0	30
3	.229	2,439.0	1,984.0	30
2	.257	3,003.0	2,450.0	30
1	.289	3,688.0	3,024.0	30
1/0	.324	4,519.0	3,730.0	35
2/0	.364	5,518.0	4,599.0	35
3/0	.409	6,722.0	5,667.0	35
4/0	.460	8,143.0	6,980.0	35

Compact Stranded Copper Cable (ASTM B496)

Conductor Size		Number of Wires	Conductor Dia (in)
KCMIL	AWG		
1000		61 ¹	1.060
900		61 ¹	0.999
800		61 ¹	0.938
750		61 ¹	0.908
700		61 ¹	0.877
650		61 ¹	0.845
600		61 ¹	0.813
550		61 ¹	0.775
500		37 ²	0.736
450		37 ²	0.700
400		37 ²	0.659
350		37 ²	0.616
300		37 ²	0.570
250		37 ²	0.520
	4/0	19 ³	0.475
	3/0	19 ³	0.423
	2/0	19 ³	0.376
	1/0	19 ³	0.336
	1	19 ³	0.299
	2	7	0.268
	4	7	0.213
	6	7	0.169
	8	7	0.134

¹ 58 Wires Minimum² 35 Wires Minimum³ 18 Wires Minimum

CABLE DATA

Stranded Copper Wire (ASTM B8 Excluding Breaking Loads)

Size		A.S.T.M. Strandings			Hard Drawn	Medium Drawn	Soft Drawn
Stranded		Class	No. of Wires	Cable Diameter (Inches)	Minimum Breaking Load (Pounds)		
Circular Mils	AWG						
1,022	20	B	7	0.036	50.0	40.67	32.1
1,624	18	B	7	0.045	79.0	63.91	51.0
2,583	16	B	7	0.057	124.7	100.4	81.1
4,107	14	B	7	0.072	197.1	157.7	124.2
6,530	12	B	7	0.091	311.1	247.7	197.5
10,380	10	B	7	0.116	491.7	388.9	314.0
13,090	9	B	7	0.130	618.2	487.4	395.9
16,510	8	B	7	0.146	777.2	610.7	499.2
20,820	7	B	7	0.164	977.1	765.2	629.5
26,250	6	B	7	0.184	1,288.0	958.6	793.8
33,100	5	B	7	0.206	1,542.0	1,201.0	1,001.0
41,740	4	AA	3	0.254	1,879.0	1,465.0	1,213.0
41,740	4	B&A	7	0.232	1,938.0	1,505.0	1,262.0
52,630	3	AA	3	0.285	2,359.0	1,835.0	1,530.0
52,630	3	B&A	7	0.260	2,433.0	1,885.0	1,592.0
66,370	2	AA	3	0.320	2,913.0	2,299.0	1,929.0
66,370	2	B&A	7	0.292	3,045.0	2,361.0	2,007.0
83,690	1	AA	3	0.360	3,621.0	2,879.0	2,432.0
83,690	1	A	7	0.328	3,804.0	2,958.0	2,432.0
83,690	1	B	19	0.332	3,899.0	3,037.0	2,531.0
105,500	1/0	A&A	7	0.368	4,752.0	3,705.0	3,067.0
105,500	1/0	-	12	0.390	4,841.0	3,755.0	3,191.0
105,500	1/0	B	19	0.373	4,901.0	3,805.0	3,191.0
133,100	2/0	A&A	7	0.414	5,926.0	4,640.0	3,867.0
133,100	2/0	-	12	0.438	6,048.0	4,703.0	3,867.0
133,100	2/0	B	19	0.419	6,152.0	4,765.0	4,024.0
167,800	3/0	A&A	7	0.464	7,366.0	5,812.0	4,876.0
167,800	3/0	-	12	0.492	7,556.0	5,890.0	4,876.0
167,800	3/0	B	19	0.470	7,698.0	5,970.0	5,074.0
211,600	4/0	A&A	7	0.522	9,154.0	7,278.0	6,149.0
211,600	4/0	-	12	0.522	9,483.0	7,378.0	6,149.0
211,600	4/0	B	19	0.528	9,617.0	7,479.0	6,149.0

CABLE DATA

Stranded Copper Wire (ASTM B8 Excluding Breaking Loads) continued)

Size	A.S.T.M. Strandings			Hard Drawn	Medium Drawn	Soft Drawn
Circular Mills	Class	No. of Wires	Cable Diameter (Inches)	Minimum Breaking Load (Pounds)		
250 kcmil	AA	12	0.600	11,130	8,717	7,265
250 kcmil	A	19	0.574	11,360	8,986	7,265
250 kcmil	B	37	0.575	11,560	8,952	7,559
300 kcmil	AA	12	0.657	13,170	10,390	8,718
300 kcmil	A	19	0.628	13,510	10,530	8,718
300 kcmil	B	37	0.630	13,870	10,740	9,071
350 kcmil	AA	12	0.710	15,140	12,040	10,170
350 kcmil	A	19	0.679	15,590	12,200	10,170
350 kcmil	B	37	0.681	16,060	12,450	10,580
400 kcmil	A&AA	19	0.726	17,810	13,950	11,620
400 kcmil	B	37	0.728	18,320	14,140	11,620
450 kcmil	AA	19	0.770	19,750	15,590	13,080
450 kcmil	B&A	37	0.772	20,450	15,900	13,080
500 kcmil	AA	19	0.811	21,950	17,320	14,530
500 kcmil	B&A	37	0.813	22,510	17,550	14,530
600 kcmil	A&AA	37	0.891	27,020	21,060	17,440
600 kcmil	B	61	0.893	27,530	21,350	18,140
700 kcmil	AA	37	0.963	31,170	24,410	20,340
700 kcmil	B&A	61	0.964	31,820	24,740	20,340
750 kcmil	AA	37	0.997	33,400	26,150	21,790
750 kcmil	B&A	61	0.998	34,090	26,510	21,790
800 kcmil	AA	37	1.029	35,120	27,710	23,250
800 kcmil	B&A	61	1.031	36,360	28,270	23,250
900 kcmil	AA	37	1.092	39,510	31,170	26,150
900 kcmil	B&A	61	1.094	40,520	31,590	26,150
1000 kcmil	AA	37	1.151	43,830	34,400	29,060
1000 kcmil	B&A	61	1.152	45,030	35,100	29,060
1250 kcmil	A	61	1.288	55,670	43,590	36,320
1250 kcmil	B	91	1.289	56,280	43,880	36,320
1500 kcmil	A	61	1.411	65,840	51,950	43,590
1500 kcmil	B	91	1.412	67,540	52,650	43,590
1750 kcmil	A	91	1.526	77,930	61,020	50,850
1750 kcmil	B	127	1.526	78,800	61,430	50,850
2000 kcmil	A	91	1.630	87,790	69,270	58,120
2000 kcmil	B	127	1.632	90,050	70,210	58,120

CABLE DATA

Flexible Copper Stranded Cable

Conductor Size kcmil or B & S G (AWG)	# Strands	Strand Diameter	Nominal Diameter	Class
8	41	.0201	.156	I
8	49	.0184	.166	G
8	133	.0111	.167	H
8	168	.010	.157	K
8	420	.0063	.162	M
7	49	.0206	.185	G
7	52	.0201	.185	I
7	133	.0125	.188	H
7	210	.010	.179	K
7	532	.0063	.196	M
6	49	.0231	.208	G
6	63	.0201	.207	I
6	133	.0140	.210	H
6	266	.010	.210	K
6	665	.0063	.215	M
5	49	.0260	.234	G
5	84	.0201	.235	I
5	133	.0158	.237	H
5	336	.010	.235	K
5	836	.0063	.240	M
4	49	.0292	.263	G
4	105	.0201	.263	I
4	133	.0177	.266	.H
4	420	.010	.272	K
4	1064	.0063	.269	M
3	49	.0328	.295	G
3	133	.0199	.299	I
3	133	.0201	.291	H
3	532	.010	.304	K
3	1323	.0063	.305	M
2	49	.0368	.331	G
2	133	.0223	.335	I
2	161	.0201	.319	H
2	665	.010	.338	K
2	1666	.0063	.337	M
1	133	.0251	.377	G
1	210	.0201	.367	I
1	259	.018	.378	H
1	836	.010	.397	K
1	2107	.0063	.376	M
1/0	133	.0282	.423	I
1/0	259	.0202	.424	G
1/0	266	.0201	.441	H
1/0	1064	.010	.451	K
1/0	2646	.0063	.423	M

Conductor Size kcmil or B & S G (AWG)	# Strands	Strand Diameter	Nominal Diameter	Class
2/0	133	.0316	.474	G
2/0	259	.0227	.477	I
2/0	342	.0201	.500	H
2/0	1323	.010	.470	K
2/0	3325	.0063	.508	M
3/0	133	.0355	.533	G
3/0	259	.0255	.536	I
3/0	418	.0201	.549	H
3/0	1666	.010	.533	K
3/0	4256	.0063	.576	M
4/0	133	.0399	.599	G
4/0	259	.0286	.601	I
4/0	532	.0201	.613	H
4/0	2107	.010	.627	K
4/0	5320	.0063	.645	M
250	259	.0311	.650	G
250	427	.0242	.653	I
250	637	.0201	.682	.H
250	2499	.010	.682	K
250	6384	.0063	.713	M
300	259	.0340	.714	G
300	427	.0265	.716	I
300	735	.0201	.737	H
300	2989	.010	.768	K
300	7581	.0063	.768	M
350	259	.0368	.773	G
350	427	.0286	.772	I
350	882	.0201	.800	H
350	3458	.010	.809	K
350	8806	.0063	.825	M
400	259	.0393	.825	G
400	427	.0306	.826	I
400	980	.0201	.831	H
400	3990	.010	.878	K
400	10101	.0063	.901	M
450	259	.0417	.876	I
450	427	.0325	.878	G
450	1127	.0201	.894	H
450	4522	.010	.933	K
450	11396	.0063	.940	M
500	259	.0439	.922	G
500	427	.0342	.923	I
500	1225	.0201	.941	H
500	5054	.010	.988	K
500	12691	.0063	.997	M

CABLE DATA

Flexible Copper Stranded Cable (continued)

Conductor Size kcmil or B & S G (AWG)	# Strands	Strand Diameter	Nominal Diameter	Class
600	427	.0375	1.013	G
600	703	.0292	1.022	I
600	1470	.0201	1.027	H
600	5985	.010	1.125	K
600	14945	.0063	1.084	M
700	427	.0405	1.094	G
700	703	.0316	1.106	I
700	1729	.0201	1.194	H
700	6916	.010	1.207	K
700	17507	.0063	1.183	M
800	427	.0433	1.169	G
800	703	.0337	1.180	I
800	1995	.0201	1.290	H
800	7980	.010	1.305	K
800	20069	.0063	1.256	M
900	427	.0459	1.239	G
900	703	.0358	1.253	I
900	2261	.0201	1.372	H
900	9065	.010	1.323	K
900	22631	.0063	1.331	M
1000	427	.0484	1.307	G
1000	703	.0377	1.320	I
1000	2527	.0201	1.427	H
1000	10101	.010	1.419	K
1000	25193	.0063	1.404	M

Aluminum Tube

Size of Tube IPS	Diameter of Tube (Inches)		Wall Thickness (Inches)
	Outside	Inside	
STANDARD PIPE SIZES			
1/4"	0.540	0.364	0.088
3/8"	0.675	0.493	0.091
1/2"	0.840	0.622	0.109
3/4"	1.050	0.824	0.113
1"	1.315	1.049	0.133
1-1/4"	1.660	1.380	.0.140
1-1/2"	1.900	1.610	0.145
2"	2.375	2.067	0.154
2-1/2"	2.875	2.469	0.203
3"	3.500	3.068	0.213
3-1/2"	4.000	3.548	0.226
4"	4.500	4.026	0.237
4-1/2"	5.000	4.506	0.247
5"	5.563	5.047	0.258
6"	6.625	6.065	0.280
EXTRA HEAVY PIPE SIZES			
1/4"	0.540	0.302	0.119
3/8"	0.675	0.423	0.126
1/2"	0.840	0.546	0.147
3/4"	1.050	0.742	0.154
1"	1.315	0.957	0.179
1-1/4"	1.660	1.278	0.191
1-1/2"	1.900	1.500	0.200
2"	2.375	1.939	0.218
2-1/2"	2.875	2.323	0.276
3"	3.500	2.900	0.300
3-1/2"	4.000	3.364	0.318
4"	4.500	3.826	0.337
4-1/2"	5.000	4.290	0.355
5"	5.563	4.813	0.375
6"	6.625	5.761	0.432

CABLE DATA

Aluminum 1350 Cable Bare - Classes AA and A - Hard Drawn

Cable Code Word	Size (circular mils or AWG)	Copper Equivalent based on equal D.C. resistance, Cu 97% Al 61%	# of Wires	Cable Dia. (inches)	Ultimate Strength (pounds)
Peachbell	6	8	7	0.184	528
Rose	4	6	7	0.232	826
Lily	3	5	7	0.260	1022
Iris	2	4	7	0.292	1266
Pansy	1	3	7	0.328	1537
Poppy	1/0	2	7	0.368	1865
Aster	2/0	1	7	0.414	2350
Phlox	3/0	1/0	7	0.464	2845
Oxlip	4/0	2/0	7	0.522	3590
Daisy	266800	3/0	7	0.586	4525
Laurel	266800	3/0	19	0.593	4800
Tulip	336400	4/0	19	0.666	5940
Canna	397500	250000	19	0.724	6880
Cosmos	477000	300000	19	0.793	8090
Syringa	477000	300000	37	0.795	8600
Dahlia	556500	350000	19	0.856	9440
Mistletoe	556500	350000	37	0.858	9830
Orchid	636000	400000	37	0.918	11240
Violet	715500	450000	37	0.974	12640
Nasturtium	715500	450000	61	0.975	13150
Arbutus	795000	500000	37	1.026	13770
Lilac	795000	500000	61	1.028	14330
Anemone	874500	550000	37	1.077	14830
Crocus	874500	550000	61	1.078	15760
Magnolia	954000	600000	37	1.124	16180
Goldenrod	954000	600000	61	1.126	16860
Bluebell	1033500	650000	37	1.170	17530
Larkspur	1033500	650000	61	1.172	18260
Marigold	1113000	700000	61	1.216	19660
Narcissus	1272000	800000	61	1.300	22000
Carnation	1431000	900000	61	1.379	24300
Coreopsis	1590000	1000000	61	1.454	27000
Dogwood	1590000	1000000	91	1.454	28100

CABLE DATA

Aluminum 1350 Cable (Bare - Class B)

Size (circular mils or AWG)	Copper Equivalent based on equal D.C. resistance, Cu 97% Al 61%	# of Wires	Cable Dia. (inches)	Ultimate Strength (pounds) Hard Drawn	Minimum Ultimate Strength (pounds) 3/4 Hard	Minimum Ultimate Strength (pounds) Inter Temper
250000	157300	37	0.575	4860	3338	2946
300000	188800	37	0.629	5831	4005	3534
350000	220200	37	0.681	6680	4673	4123
400000	251500	37	0.728	7352	5341	4713
450000	283000	37	0.772	8110	6007	5301
500000	314500	37	0.813	9012	6675	5890
550000	346000	61	0.855	10490	7344	6480
600000	377000	61	0.893	11450	8010	7068
650000	409000	61	0.929	11940	8678	7657
700000	440000	61	0.964	12860	9346	8247
750000	472000	61	0.998	13510	10010	8835
800000	503000	61	1.031	14410	10680	9424
900000	566000	61	1.094	15900	12010	10600
1000000	629000	61	1.152	17670	13350	11780
1100000	692000	91	1.209	20210	14680	12950
1200000	755000	91	1.263	21630	16020	14130
1250000	786000	91	1.289	22530	16690	14720
1300000	818000	91	1.315	23430	17350	15310
1400000	880000	91	1.364	24750	18700	16500
1500000	943000	91	1.412	26500	20020	17670
1600000	1006000	127	1.459	28840	21360	18850
1700000	1069000	127	1.504	30630	22690	20020
1750000	1101000	127	1.526	31530	23350	20610
1800000	1132000	127	1.548	32450	24030	21210
1900000	1195000	127	1.590	33570	25360	22380
2000000	1258000	127	1.632	35340	26700	23560
2500000	1570000	127	1.824	43300	33380	29460
3000000	1890000	169	1.998	53010	40050	35340
3500000	2200000	169	2.158	60610	46730	41230

CABLE DATA

ACSR

Cable Code Word	Size (circular mils or AWG)	No. Alum Strands	No. Steel Strands	Complete Cable Dia. (inches)	Steel Core Dia. (inches)	Copper Equiv. based on equal D.C. resistance, Cu 97% Al 61%	Ultimate Strength (pounds)
Turkey	6	6	1	0.198	0.0661	8	1170
Thrush	5	6	1	0.223	0.0743	7	1460
Swan	4	6	1	0.250	0.0834	6	1830
Swanate	4	7	1	0.257	0.1029	6	2288
Swallow	3	6	1	0.281	0.0937	5	2250
Sparrow	2	6	1	0.316	0.1052	4	2790
Sparate	2	7	1	0.325	0.1299	4	3525
Robin	1	6	1	0.355	0.1182	3	3480
Raven	1/0	6	1	0.398	0.1327	2	4280
Quail	2/0	6	1	0.447	0.1490	1	5345
Pigeon	3/0	6	1	0.502	0.1672	1/0	6675
Penguin	4/0	6	1	0.563	0.1878	2/0	8420
Waxwing	266800	18	1	0.609	0.1217	3/0	7100
Owl	266800	26	7	0.633	0.2109	3/0	9645
Partridge	266800	26	7	0.642	0.2364	3/0	11250
Ostrich	300000	26	7	0.680	0.2505	188700	12650
Merlin	336400	18	1	0.684	0.1367	4/0	8950
Linnet	336400	26	7	0.721	0.2655	4/0	14050
Oriole	336400	30	7	0.741	0.3177	4/0	17040
Chickadee	397500	18	1	0.743	0.1486	250000	10400
Brant	397500	24	7	0.771	0.2575	250000	14690
Ibis	397500	26	7	0.783	0.2883	250000	16190
Lark	397500	30	7	0.806	0.3453	250000	19980
Pelican	477000	18	1	0.814	0.1628	300000	12300
Flicker	477000	24	7	0.846	0.2820	300000	17200
Hawk	477000	26	7	0.858	0.3162	300000	19430
Hen	477000	30	7	0.883	0.3783	300000	23300
Parakeet	556500	24	7	0.914	0.3045	350000	19850
Dove	556500	26	7	0.927	0.341	350000	22400
Eagle	556500	30	7	0.953	0.409	350000	27200
Peacock	605000	24	7	0.953	0.318	380500	21500
Squab	605000	26	7	0.966	0.356	380500	24100
Teal	605000	30	19	0.994	0.426	380500	30000
Rook	636000	24	7	0.977	0.326	400000	22600
Grosbeak	636000	26	7	0.990	0.365	400000	25000
Egret	636000	30	19	1.019	0.437	400000	31500
Flamingo	666600	24	7	1.000	0.333	419000	23700
Crow	715500	54	7	1.036	0.345	450000	26300
Starling	715500	26	7	1.051	0.387	450000	28100
Redwing	715500	30	19	1.081	0.463	450000	34600
Condor	795000	54	7	1.093	0.364	500000	28500
Drake	795000	26	7	1.108	0.408	500000	31200
Mallard	795000	30	19	1.140	0.489	500000	38400

CABLE DATA

ACSR (continued)

Cable Code Word	Size (circular mils or AWG)	No. Alum Strands	No. Steel Strands	Complete Cable Dia. (inches)	Steel Core Dia. (inches)	Copper Equiv. based on equal D.C. resistance, Cu 97% Al 61%	Ultimate Strength (pounds)
Crane	874500	54	7	1.146	0.382	550000	31400
Canary	900000	54	7	1.162	0.387	566000	32300
Cardinal	954000	54	7	1.196	0.399	600000	34200
Curlew	1033500	54	7	1.246	0.415	650000	37100
Finch	1113000	54	19	1.293	0.431	700000	40200
Pheasant	1272000	54	19	1.382	0.461	800000	44800
Plover	1431000	54	19	1.465	0.489	900000	50400
Falcon	1590000	54	19	1.545	0.515	100000	56000

High Strength ACSR

Cable Code Word	Size (circular mils or AWG)	No. Alum Strands	No. Steel Strands	Complete Cable Dia. (inches)	Steel Core Dia. (inches)	Copper Equivalent based on equal D.C. resistance, Cu 97% Al 61%	Ultimate Strength (pounds)
Grouse	80000	8	1	0.367	0.1670	50310	5200
Petrel	101800	12	7	0.461	0.2763	64160	9860
Minorca	110800	12	7	0.481	0.2883	69700	10730
Leghorn	134600	12	7	0.530	0.3177	84600	12920
Guinea	159000	12	7	0.576	0.3453	100000	15200
Dotterel	176900	12	7	0.607	0.3642	111200	16440
Dorking	190800	12	7	0.631	0.3783	120000	17730
Cochin	211300	12	7	0.663	0.3981	132900	19640
Brahma	203200	16	9	0.714	0.4885	127800	27500

Compact Aluminum 1350 Cable (ASTM B400) Extra Hard

Conductor Size		Class	No. of Wires	Cable Dia. (Inches)	Breaking Strength (pounds)
kcmil	AWG				
1000		B	61 ¹	1.060	17700
900		B	61 ¹	0.999	15900
800		B	61 ¹	0.938	14400
750		B	61 ¹	0.908	13500
700		B	61 ¹	0.877	12900
650		B	61 ¹	0.845	11900
600		B	61 ¹	0.813	11500
556		AA	19 ³	0.780	9750
550		B	61 ¹	0.775	10500
500		B	37 ²	0.736	9110
500		AA	19 ³	0.736	8760
477		AA	19 ³	0.722	8360
450		B	37 ²	0.700	8200
400		B	37 ²	0.659	7440
397		AA, A	19 ³	0.659	7110
350		B	37 ²	0.616	6760
350		A	19 ³	0.616	6390
336		A	19 ³	0.603	6150
336		AA	7	0.603	5960
300		B	37 ²	0.570	5890
300		A	19 ³	0.570	5480
300		AA	7	0.570	5430

Conductor Size		Class	No. of Wires	Cable Dia. (Inches)	Breaking Strength (pounds)
kcmil	AWG				
266		A	19 ³	0.537	4970
266		AA	7	0.537	4830
250		B	37 ²	0.520	4910
250		A	19 ³	0.520	4660
250		AA	7	0.520	4520
	4/0	B	19 ³	0.475	4020
	4/0	AA, A	7	0.475	3830
	3/0	B	19 ³	0.423	3310
	3/0	AA, A	7	0.423	3040
	2/0	B	19 ³	0.376	2670
	2/0	AA, A	7	0.376	2510
	1/0	B	19 ³	0.336	2160
	1/0	AA, A	7	0.336	1990
	1	B	19 ³	0.299	1740
	1	AA, A	7	0.299	1640
	2	AA, A, B	7	0.268	1350
	3	A, B	7	0.238	1090
	4	A, B	7	0.213	.881
	6	A, B	7	0.169	.563
	8	A, B	7	0.134	.312

CABLE DATA

Aluminum Alloy 5005 Cable (ASTM B397)

Conductor Size cmil	Number of Wires	Approx. Aluminum 1350 Size having Equivalent Resistance		Size & Stranding of ACSR with Equal Diameter			Rated Strength (pounds)
		cmil	AWG	cmil	AWG	Stranding	
927200	37	795000	-	795000	-	26/7	23900
740800	37	636000	-	636000	-	26/7	19300
652400	19	556500	-	556500	-	26/7	16200
587200	19	506500	-	506500	-	18/1	14600
559500	19	477000	-	477000	-	26/7	13900
503600	19	435500	-	435500	-	18/1	12500
465400	19	397500	-	397500	-	26/7	12200
419400	19	362000	-	362000	-	18/1	11200
394500	19	336400	-	336400	-	26/7	10500
355100	19	306400	-	306400	-	18/1	9600
312800	19	266800	-	266800	-	26/7	8450
281400	19	242900	-	242900	-	18/1	7610
246900	7	211600	4/0	211600	4/0	6/1	6330
195700	7	167800	3/0	167800	3/0	6/1	5020
155400	7	133100	2/0	133100	2/0	6/1	4280
123300	7	105600	1/0	105600	1/0	6/1	3440
77470	7	66360	2	66360	2	6/1	2200
48690	7	41740	4	41740	4	6/1	1430
30580	7	26240	6	26240	6	6/1	922

Aluminum Alloy 6201 Cable (ASTM B399)

Conductor Size cmil	Number of Wires	Approx. Aluminum 1350 Size having Equivalent Resistance		Size & Stranding of ACSR with Equal Diameter			Rated Strength (pounds)
		cmil	AWG	cmil	AWG	Stranding	
1439200	61	1272000	-	1272000	-	54/7	46800
1348800	61	1192500	-	1192500	-	54/7	43900
1259600	61	1113000	-	1113000	-	54/7	41000
1165100	61	1033500	-	1033500	-	54/7	37900
1077400	61	954000	-	954000	-	54/7	35000
927200	37	795000	-	795000	-	26/7	30500
740800	37	636000	-	636000	-	26/7	24400
652400	19	556500	-	556500	-	26/7	21900
559500	19	477000	-	477000	-	26/7	18800
465400	19	397500	-	397500	-	26/7	15600
394500	19	336400	-	336400	-	26/7	13300
312800	19	266800	-	266800	-	26/7	11000
246900	7	211600	4/0	211600	4/0	6/1	8560
195700	7	167800	3/0	167800	3/0	6/1	6790
155400	7	133100	2/0	133100	2/0	6/1	5390
123300	7	105600	1/0	105600	1/0	6/1	4460
77470	7	66360	2	66360	2	6/1	2800
48690	7	41740	4	41740	4	6/1	1760
30580	7	26240	6	26240	6	6/1	1110

CABLE DATA

Aluminum Alloy 8000 Series "O" Temper Cable (ASTM B801)

Conductor Size		Number of Wires†	Class	Conductor Diameter (inches)			Min. Breaking Strength (pounds)
kcmil	AWG			Conventional	Compressed	Compact	
1000		127	D	1.153	1.119	1.060	6010
1000		91	C	1.153	1.118	1.060	6010
1000		61	B, A	1.152	1.117	1.060	6010
900		127	D	1.095	1.062	0.999	5400
900		91	C	1.093	1.060	0.999	5400
900		61	B, A	1.093	1.060	0.999	5400
800		127	D	1.032	1.001	0.938	4800
800		91	C	1.032	1.001	0.938	4800
800		61	B, A	1.031	1.000	0.938	4800
750		127	D	0.998	0.968	0.908	4500
750		91	C	0.999	0.969	0.908	4500
750		61	B, A	0.998	0.938	0.908	4500
700		127	D	0.965	0.936	0.877	4200
700		91	C	0.965	0.936	0.877	4200
700		61	B, A	0.964	0.935	0.877	4200
650		127	D	0.930	0.902	0.845	3900
650		91	C	0.930	0.902	0.845	3900
650		61	B	0.929	0.901	0.845	3900
650		37	A	0.928	0.900	0.845	3950
600		127	D	0.893	0.866	0.813	3600
600		91	C	0.893	0.866	0.813	3600
600		61	B	0.893	0.866	0.813	3600
600		37	A	0.891	0.864	0.813	3640
556		127	D	0.861	0.835	0.780	3340
556		91	C	0.860	0.834	0.780	3340
556		61	B	0.860	0.834	0.780	3340
556		37	A	0.858	0.832	0.780	3380
550		127	D	0.855	0.829	0.775	3300
550		91	C	0.855	0.829	0.775	3300
550		61	B	0.855	0.829	0.775	3300
550		37	A	0.853	0.827	0.775	3340
500		91	D	0.815	0.791	0.736	3000
500		61	C	0.815	0.791	0.736	3000
500		37	B, A	0.813	0.789	0.736	3040
477		91	D	0.796	0.772	0.722	2860
477		61	C	0.796	0.772	0.722	2860
477		37	B, A	0.795	0.771	0.722	2900
450		91	D	0.773	0.750	0.700	2700
450		61	C	0.773	0.750	0.700	2700
450		37	B, A	0.772	0.749	0.700	2730
400		91	D	0.729	0.707	0.659	2400
400		61	C	0.729	0.707	0.659	2400
400		37	B, A	0.728	0.706	0.659	2430
397		91	D	0.727	0.705	0.659	2390
397		61	C	0.726	0.704	0.659	2390
397		37	B	0.725	0.703	0.659	2410
397		19	A	0.724	0.702	0.659	2470

CABLE DATA

Aluminum Alloy 8000 Series "O" Temper Cable (ASTM B801) (Continued)

Conductor Size		Number of Wires†	Class	Conductor Diameter (inches)			Min. Breaking Strength (pounds)
kcmil	AWG			Conventional	Compressed	Compact	
350		91	D	0.682	0.661	0.616	2100
350		61	C	0.681	0.661	0.616	2100
350		37	B	0.681	0.661	0.616	2130
350		19	A	0.679	0.659	0.616	2170
336		61	C	0.669	.0649	0.603	2020
336		37	B	0.668	0.648	0.603	2040
336		19	A	0.666	0.646	0.603	2090
300		61	C	0.631	0.612	0.570	1800
300		37	B	0.630	0.611	0.570	1820
300		19	A	0.629	0.610	0.576	1860
266		61	C	0.595	0.577	0.537	1600
266		37	B	0.594	0.576	0.537	1620
266		19	A	0.593	0.575	0.537	1660
250		61	C	0.576	0.559	0.520	1500
250		37	B	0.575	0.558	0.520	1520
250		19	A	0.574	0.557	0.520	1550
	4/0	37	C	0.529	0.513	0.475	1280
	4/0	19	B	0.528	0.512	0.475	1310
	4/0	7	A	0.522	0.506	0.475	1360
	3/0	37	C	0.471	0.457	0.423	1020
	3/0	19	B	0.470	0.456	0.423	1040
	3/0	7	A	0.464	0.450	0.423	1070
	2/0	19	B	0.419	0.406	0.376	826
	2/0	7	A	0.414	0.402	0.376	853
	1/0	19	B	0.373	0.362	0.336	655
	1/0	7	A	0.368	0.357	0.336	676
	1	19	B	0.332	0.322	0.229	519
	2	7	B, A	0.292	0.283	0.268	425
	3	7	B, A	0.260	0.252	0.238	337
	4	7	B, A	0.232	0.225	0.213	267
	6	7	B, A	0.184	0.178	0.169	168
	8	7	B, A	0.146	0.142	0.134	106

† For compact-stranded constructions, the number of wires may be reduced as follows:

19-Wire Constructions - 18 Wires Minimum

61-Wire Constructions - 58 Wires Minimum

127-Wire Constructions - 122 Wires Minimum

37-Wire Constructions - 35 Wires Minimum

91-Wire Constructions - 87 Wires Minimum

CABLE DATA

Compact ACSR (ASTM B401)

Conductor Size		Cable Diameter (Inches)	Breaking Strength (pounds)
kcmil	AWG		
336.4		0.628	8260
266.8		0.559	6540
	4/0	0.517	7420
	3/0	0.461	5880
	2/0	0.410	4880
	1/0	0.365	3980
	1	0.326	3290
	2	0.298	3260
	2	0.290	2640
	3	0.258	2130
	4	0.236	2160
	4	0.229	1760
	6	0.182	1120

ACSR/TW (Trap Wire) Cable (ASTM B779)

Conductor Size kcmil	Stranding		Nominal Diameter (inches)	Rated Strength (pounds)
	No. Aluminum Wires	No. Steel Wires		
336.4	14	1	0.63	8600
405.1	14	1	0.68	10200
477.0	18	7	0.78	17200
477.0	18	7	0.79	19400
556.5	18	7	0.84	20000
556.5	20	7	0.85	22600
565.3	20	7	0.86	22900
571.7	18	7	0.85	20600
636.0	27	1	0.85	13500
636.0	18	7	0.89	22900
636.0	20	7	0.91	25400
664.8	20	7	0.93	26600
666.6	20	7	0.91	24000
762.8	20	7	0.99	30500
768.2	20	7	0.98	27700
768.9	27	1	0.93	16400
795.0	17	7	0.96	21000
795.0	18	7	0.98	25900
795.0	20	7	0.99	28200
795.0	20	7	1.01	31800
946.7	35	7	1.08	29600
954.0	30	7	1.05	23700
954.0	32	7	1.06	25900
954.0	20	7	1.08	33500
957.2	32	7	1.06	26000
959.6	22	7	1.11	37000
966.2	21	7	1.09	34000

Conductor Size kcmil	Stranding		Nominal Diameter (inches)	Rated Strength (pounds)
	No. Aluminum Wires	No. Steel Wires		
1033.5	30	7	1.09	25700
1033.5	32	7	1.10	28100
1033.5	21	7	1.13	36300
1113.0	30	7	1.13	27500
1113.0	33	7	1.14	30000
1113.0	38	19	1.19	39100
1158.0	33	7	1.17	31600
1158.4	25	7	1.20	39600
1168.1	30	7	1.16	28900
1192.5	30	7	1.17	29500
1192.5	33	7	1.18	32400
1192.5	38	19	1.22	41900
1233.6	38	19	1.25	42900
1257.1	35	7	1.21	34200
1272.0	30	7	1.20	31400
1272.0	35	7	1.22	34600
1272.0	39	19	1.26	44100
1334.6	39	19	1.29	46300
1351.5	35	7	1.26	36700
1351.4	39	19	1.30	46800
1359.7	36	7	1.26	36900
1372.5	30	7	1.25	33400
1431.0	36	7	1.29	38900
1431.0	39	19	1.34	49600
1433.6	39	19	1.34	49700
1455.3	36	7	1.30	39200
1467.8	33	7	1.29	35800

CABLE DATA

ACSR/TW (Trap Wire) Cable (ASTMB779)

Conductor Size kcmil	Stranding		Nominal Diameter (Inches)	Rated Strength (pounds)
	No. Aluminum Wires	No. Steel Wires		
1533.3	39	19	1.38	53200
1557.4	36	7	1.35	41900
1569.0	33	7	1.33	38200
1590.0	36	7	1.36	42200
1590.0	42	19	1.41	55100
1622.0	39	19	1.42	57500
1657.4	36	7	1.39	44000
1730.6	39	19	1.47	59400
1758.6	37	19	1.47	34600
1780.0	37	19	1.45	50700
1926.9	42	19	1.55	65300
1949.6	42	7	1.50	51900
2153.8	64	19	1.60	61100
2156.0	64	19	1.61	61100
2627.3	64	19	1.76	74500

AAC/TW (ALL ALUMINUM TRAP WIRE) (ASTM B778)

Conductor Size kcmil	Nominal Diameter (inches)	Number of Wires	Rated Strength (pounds)
336.4	0.612	17	6220
397.5	0.661	17	7230
477.0	0.720	17	8530
500.0	0.736	17	8940
556.5	0.775	17	9950
600.0	0.803	17	10700
636.0	0.825	17	11400
700.0	0.864	17	12500
750.0	0.893	17	13400
795.0	0.919	17	13900
900.0	0.990	31	15800
954.0	1.018	31	16700
1000.0	1.041	31	17500
1033.5	1.057	31	18100
1113.0	1.095	31	19500
1192.5	1.132	31	20900
1272.0	1.168	31	22300
1351.5	1.202	31	23700
1431.0	1.236	31	24600
1590.0	1.315	49	27300
1750.0	1.377	49	30000
2000.0	1.468	49	34300

CABLE DATA

ACAR Cable (ASTM B524)

Conductor Size		Number of Wires	Nominal Outside Diameter (inches)
kcmil	AWG		
2000		91	1.630
2000		61	1.630
1900		61	1.588
1800		61	1.546
1750		61	1.525
1700		61	1.502
1600		61	1.458
1500		61	1.411
1400		61	1.364
1300		61	1.314
1300		37	1.312
1250		61	1.288
1250		37	1.287
1200		61	1.263
1200		37	1.261
1100		61	1.209
1100		37	1.207
1000		61	1.152
1000		37	1.151
950		37	1.121
900		37	1.092
850		37	1.061
800		37	1.029
750		37	0.997
700		37	0.962

Conductor Size		Number of Wires	Nominal Outside Diameter (inches)
kcmil	AWG		
650		37	0.928
600		37	0.891
600		19	0.888
550		37	0.853
550		19	0.850
500		37	0.813
500		19	0.811
450		19	0.770
400		19	0.726
350		19	0.678
300		19	0.628
250		19	0.574
246.9		7	0.563
	4/0	7	0.522
195.7		7	0.502
	3/0	7	0.464
155.4		7	0.447
	2/0	7	0.414
123.3		7	0.398
	1/0	7	0.368
77.4		7	0.316
	2	7	0.292
48.6		7	0.250
	4	7	0.232
30.5		7	0.198

SSAC CABLE

Size AWG or kcmil	# Alum Strands	# Steel Strands	Conductor Diameter	Rated Strength (pounds)
266.8	22	7	.622	6030
266.8	24	7	.633	7410
266.8	26	7	.642	8880
266.8	30	7	.660	11700
300.0	26	7	.680	9970
336.4	20	7	.692	5990
336.4	22	7	.701	7610
336.4	24	7	.710	9340
336.4	26	7	.720	11200
336.4	30	7	.741	14800
397.5	20	7	.752	7090
397.5	22	7	.762	8990
397.5	24	7	.772	11000
397.5	26	7	.783	13000
397.5	30	7	.806	17500
477.0	20	7	.823	8490
477.0	22	7	.834	10800
477.0	24	7	.846	13000

Size AWG or kcmil	# Alum Strands	# Steel Strands	Conductor Diameter	Rated Strength (pounds)
477.0	26	7	.858	15600
477.0	30	7	.883	21000
500.0	30	7	.904	22000
556.5	20	7	.890	9910
556.5	22	7	.901	12600
556.5	24	7	.914	15200
556.5	26	7	.927	18200
556.5	30	7	.953	24500
605.0	24	7	.953	16500
605.0	26	7	.966	19700
605.0	30	7	.994	26000
605.0	30	19	.994	26600
636.0	20	7	.951	11300
636.0	22	7	.963	14100
636.0	24	7	.977	17300
636.0	26	7	.990	20700
636.0	30	7	1.019	27400
636.0	30	19	1.019	28000

CABLE DATA

SSAC Cable (Continued)

Size AWG or kcmil	# Alum Strands	# Steel Strands	Conductor Diameter	Rated Strength (pounds)
666.6	24	7	1.000	18200
666.6	26	7	1.104	21700
715.5	24	7	1.036	19500
715.5	26	7	1.051	23300
715.5	30	19	1.081	30800
795.0	42	7	1.055	11800
795.0	20	7	1.063	14200
795.0	45	7	1.063	14200
795.0	22	7	1.077	17700
795.0	24	7	1.092	21700
795.0	54	7	1.092	21700
795.0	26	7	1.108	25900
795.0	30	19	1.140	34300
900.0	45	7	1.131	15800
900.0	54	7	1.162	24600
954.0	42	7	1.155	14200
954.0	20	7	1.185	16700
954.0	45	7	1.165	16700
954.0	48	7	1.175	19700
954.0	24	7	1.196	26000
954.0	54	7	1.196	26000
954.0	30	19	1.248	41100
1033.5	42	7	1.203	15400

Size AWG or kcmil	# Alum Strands	# Steel Strands	Conductor Diameter	Rated Strength (pounds)
1033.5	45	7	1.212	18100
1033.5	48	7	1.222	21300
1033.5	54	7	1.245	28200
1113.0	42	7	1.248	16300
1113.0	45	7	1.259	19500
1113.0	48	7	1.269	23000
1113.0	54	19	1.293	30400
1192.5	42	7	1.292	17500
1192.5	45	7	1.302	20900
1192.5	48	7	1.313	24600
1192.5	54	19	1.338	32600
1272.0	42	7	1.334	18700
1272.0	45	7	1.345	22300
1272.0	48	7	1.357	26200
1272.0	54	19	1.382	34100
1351.5	42	7	1.376	19900
1351.5	45	7	1.386	23700
1351.5	48	7	1.398	27900
1351.5	54	19	1.424	36200
1431.0	42	7	1.415	21000
1431.0	45	7	1.427	25100
1431.0	48	7	1.439	29500
1431.0	54	19	1.465	38400
1510.5	45	7	1.466	26500
1510.5	54	19	1.505	40500
1590.0	42	7	1.492	23400
1590.0	45	7	1.504	27900
1590.0	48	7	1.517	32200
1590.0	54	19	1.545	42600
1780.0	84	19	1.602	35400
1869.0	68	7	1.603	21500
2034.5	72	7	1.681	27200

CABLE DATA

Solid COPPERWELD® Cable (ASTM B227)

Conductor Size (AWG)	Nominal Diameter (inches)	Circular Mils	Minimum Breaking Load (pounds)			
			Grade 40 HS	Grade 40 EHS	Grade 30 HS	Grade 30 EHS
4	0.2043	41740	3540	-	3934	4671
5	0.1819	33090	2937	-	3249	3911
-	0.1650*	27230	2779	-	2779	3367
6	0.1620	26240	2679	-	2679	3246
7	0.1443	20820	2207	-	2207	2681
8	0.1285	16510	1816	-	1816	2205
-	0.1280*	16380	1802	-	1802	2188
9	0.1144	13090	1491	-	1491	1790
-	0.1040*	10820	1283	1325	1283	1487
10	0.1019	10380	1231	-	1231	1460
12	0.0808	6530	774	-	774	918
-	0.0800*	6400	759	-	759	900
-	0.0640*	4096	485	-	485	576
18	0.0403	1624	193	-	193	228
-	0.0390*	1521	180	-	180	214
20	0.0320	1024	121	-	121	144

* These diameters are often employed by purchasers for communication lines BUT are not in the American Wire Gauge (B&S Wire Gauge) series, as are the other diameter listed.

Stranded COPPERWELD® Cable (ASTM B228)

Nominal Diameter† (inch) Size AWG‡	Circular Mils	Diameter* (inch)	Breaking Load (pounds)**		
			High Strength		Extra High Strength
			40% Cond.	30% Cond.	30% Cond.
7/8 (19 No. 5)	628900	.910	50240	55570	66910
13/16 (19 No. 6)	498800	.810	41600	45830	55530
23/32 (19 No. 7)	395500	.721	34390	37740	45850
27/32 (19 No. 8)	313700	.642	28380	31040	37690
9/16 (19 No. 9)	248800	.572	23390	25500	30610
5/8 (7 No. 4)	292200	.613	22310	24780	29430
9/16 (7 No. 5)	231700	.546	18510	20470	24650
1/2 (7 No. 6)	183800	.486	15330	16890	20460
7/16 (7 No. 7)	145700	.433	12670	13910	16890
3/8 (7 No. 8)	115600	.385	10460	11440	13890
11/32 (7 No. 9)	91650	.343	8616	9393	11280
5/16 (7 No. 10)	72680	.306	7121	7758	9196
3 No. 5	99310	.392	8373	9262	11860
3 No. 6	78750	.349	6934	7639	9754
3 No. 7	62450	.311	5732	6291	7922
3 No. 8	49530	.277	4730	5174	6282
3 No. 9	39280	.247	3898	4250	5129
3 No. 10	31150	.220	3221	3509	4160
3 No. 12	19590	.174	2236	-	-

† The designation "inch" is the approximate diameter in proper fraction of an inch.

‡ The designation AWG is a combination of the number of wires each of the American Wire Gauge size indicated by "No."

* Diameter of circumscribing.

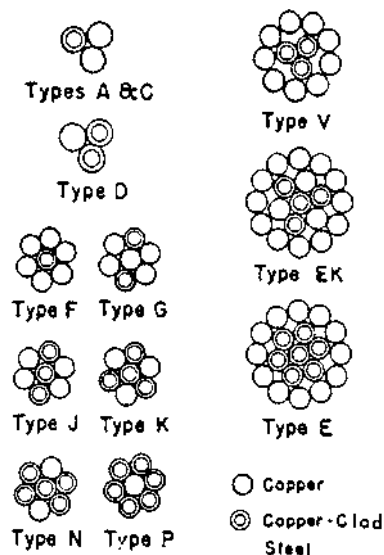
** Breaking loads of 7-wire and 19-wire conductors are taken as 90% of the sum of the breaking loads of individual wires; breaking load of 3-wire conductors is taken as 95% of the sum of the breaking loads of the individual wires.

CABLE DATA

COPPERWELD®-COPPER CABLE (ASTM B229)

Conductor size Hard Drawn Copper Equivalent			Nom. Dia. of Conductor (inches)	Min. Breaking Load (pounds)
cmil	AWG	Type		
350000	-	E	0.788	32420
350000	-	EK	0.735	23850
350000	-	V	0.754	23480
300000	-	E	0.729	27770
300000	-	EK	0.680	20960
300000	211600	V	0.698	20730
250000	-	E	0.666	23920
250000	-	EK	0.621	17840
250000	-	V	0.637	17420
	4/0	E	0.613	20730
211600	4/0	G	0.583	15640
211600	4/0	EK	0.571	15370
211600	4/0	V	0.586	15000
211600	4/0	F	0.550	12290
167800	3/0	E	0.545	16800
167800	3/0	J	0.555	16170
167800	3/0	G	0.519	12860
167800	3/0	EK	0.509	12370
167800	3/0	V	0.522	12200
167800	3/0	F	0.490	9980
133100	2/0	K	0.534	17600
133100	2/0	J	0.494	13430
133100	2/0	G	0.463	10510
133100	2/0	V	0.465	9846
133100	2/0	F	0.436	8094
105600	1/0	K	0.475	14490
105600	1/0	J	0.440	10970
105600	1/0	G	0.412	8563
105600	1/0	F	0.388	6536
83690	1	N	0.464	15410
83690	1	K	0.423	11900
83690	1	J	0.392	9000
83690	1	G	0.367	6956
83690	1	F	0.346	5266
66360	2	P	0.462	16870
66360	2	N	0.413	12680
66360	2	K	0.377	9730
66360	2	J	0.349	7322

Conductor size Hard Drawn Copper Equivalent			Nom. Dia. of Conductor (inches)	Min. Breaking Load (pounds)
cmil	AWG	Type		
66360	2	A	0.366	5876
66360	2	G	0.327	5626
66360	2	F	0.308	4233
55620	3	P	0.411	13910
52620	3	N	0.368	10390
52620	3	K	0.336	7910
52620	3	J	0.311	5955
52620	3	A	0.326	4810
41740	4	P	0.366	11420
41740	4	N	0.328	8460
41740	4	D	0.348	7340
41740	4	A	0.290	3938
33090	5	P	0.326	9311
33090	5	D	0.310	6035
33090	5	A	0.258	3193
26240	6	D	0.276	4942
26240	6	A	0.230	2585
26240	6	C	0.225	2143
20820	7	D	0.246	4022
20820	7	A	0.223	2754
16510	8	D	0.219	3256
16510	8	A	0.199	2233
16510	8	C	0.179	1362
11750	9	D	0.174	1743



CABLE DATA

GALVANIZED STEEL CABLE (ASTM A475)

inches	Nom. Dia. of Strand (mm)	Number of Wires in Strand	Minimum Breaking Load (pounds)				
			Utilities Grade	Common Grade	Siemens-Martin Grade	High-Strength Grade	Extra High-Strength Grade
1/8	3.18	7	-	540	910	1330	1830
5/32	3.97	7	-	870	1470	2140	2940
3/16	4.76	7	-	1150	1900	2850	3990
3/16	4.76	7	2400	-	-	-	-
7/32	5.56	3	-	1400	2340	3500	4900
7/32	5.56	7	-	1540	2560	3850	5400
1/4	6.35	3	3150	1860	3040	4730	6740
1/4	6.35	3	4500	-	-	-	-
1/4	6.35	7	-	1900	3150	4750	6650
9/32	7.14	3	-	2080	3380	5260	7500
9/32	7.14	7	4600	2570	4250	6400	8950
5/16	7.94	3	6500	2490	4090	6350	9100
5/16	7.94	7	-	3200	5350	8000	11200
5/16	7.94	7	6000	-	-	-	-
3/8	9.52	3	8500	3330	5560	8360	11800
3/8	9.52	7	11500	4250	6950	10800	15400
7/16	11.11	7	18000	5700	9350	14500	20800
1/2	12.70	7	25000	7400	12100	18800	26900
1/2	12.70	19	-	7620	12700	19100	26700
9/16	14.29	7	-	9600	15700	24500	35000
9/16	14.29	19	-	9640	16100	24100	33700
5/8	15.88	7	-	11600	19100	29600	42400
5/8	15.88	19	-	11000	18100	28100	40200
3/4	19.05	19	-	16000	26200	40800	58300
7/8	22.22	19	-	21900	35900	55800	79700
1	25.40	9	-	28700	47000	73200	104500
1	25.40	37	-	28300	46200	71900	102700
1-1/8	28.58	37	-	36000	58900	91600	130800
1-1/4	31.75	37	-	44600	73000	113600	162200















CABLE DATA







ALUMINUM-COATED STEEL CABLE (ASTM A474)

Nom. Dia. of Strand (inches)	Number of Wires in Strand	Minimum Breaking Strength (pounds)				
		Utilities Grade*	Common Grade	Siemens-Martin Grade	High-Strength Grade	Extra High-Strength Grade
3/16	7		1150	1900	2850	
3/16	7	2400				
1/4	3	3150				
1/4	3	4500				
1/4	7		1900	3150	4750	6650
9/32	7	4600				
5/16	3	6500				
5/16	7		3200	5350	8000	11200
5/16	7	6000				
3/8	3	8500				
3/8	7	11500	4250	6950	10800	15400
7/16	7	18000	5350	9350	14500	20800
1/2	7	25000	7400	12100	18800	26900

* The Utilities Grade is used principally by communications and power and light industries.

TERMINAL STUD SIZE CHART*

STUD SIZE	#0	#1	#2	#3	#4	#5	#6	#8	#10	#12	#14	1/4"	5/16"	3/8"
Stud Diameter	.060	.073	.086	.090	.112	.125	.138	.164	.190	.216	.242	.250	.312	.375
														
Stud Hole	.067	.093	.119			.145		.171	.197	.223	.250	17/64	21/64	25/64

STUD SIZE	7/16"	1/2"	5/8"	3/4"	7/8"	1"
Stud Diameter	.437	.500	.625	.750	.875	1.000
						
Stud Hole	29/64	33/64	21/32	29/32	29/32	1 - 1/32

*Tolerance .003" on decimal and .005" on fractional dimensions

AWG VS. METRIC WIRE SIZES

Circ. Mils	Equivalent Circ. Mils	AWG Size	Metric Wire Size (mm)	Number of Strands	Wire Dia. per Strand		Approx. Overall Diameter	
					inches	mm	inches	mm
-	937	-	.50	1	.032	.813	.032	.81
1020	-	20	-	7	.0121	.307	.036	.91
-	1480	-	.75	1	.039	.091	.039	.99
1620	-	18	-	1	.0103	1.02	.040	1.02
1620	-	18	-	7	.0152	.386	.046	1.16
-	1974	-	1.0	1	.045	1.14	.045	1.14
-	1974	-	1.0	7	.017	.422	.061	1.30
2580	-	16	-	1	.0503	1.29	.051	1.29
2580	-	16	-	7	.0192	.468	.058	1.46
-	2960	-	1.5	1	.055	1.40	.055	1.40
-	2960	-	1.5	7	.021	5.33	.063	1.60
4110	-	14	-	1	.0641	1.63	.064	1.63
4110	-	14	-	7	.0242	.615	.073	1.84
-	4934	-	2.5	1	.071	1.80	.071	1.80
-	4934	-	2.5	7	.027	6.66	.081	2.06
6530	-	12	-	1	.0308	2.05	.081	2.05
6530	-	12	-	7	.0305	.775	.092	2.32
-	7894	-	4	1	.089	2.26	.089	2.26
-	7894	-	4	7	.034	.864	.102	2.59
10380	-	10	-	1	.1019	2.59	.102	2.59
10380	-	10	-	7	.0355	.978	.116	2.93
-	11840	-	6	1	.109	2.77	.109	2.77
-	11840	-	6	7	.042	.107	.126	3.21
13000	-	9	-	1	.1144	2.91	.114	2.91
13090	-	9	-	7	.0432	1.10	.130	3.30
16510	-	8	-	1	.1285	3.26	.128	3.25
16510	-	8	-	7	.0486	1.23	.146	3.70
-	19740	-	10	1	.141	3.58	.141	3.58
-	19740	-	10	7	.054	1.37	.162	4.12
20520	-	7	-	1	.1443	3.67	.144	3.67
20520	-	7	-	7	.0545	1.38	.164	4.15
26240	-	6	-	1	.162	4.11	.162	4.11
26240	-	6	-	7	.0612	1.55	.184	4.66
-	31580	-	16	7	.008	1.73	.204	5.13
33090	-	5	-	7	.0688	1.75	.206	5.24
41740	-	4	-	7	.0772	1.96	.232	5.88
-	49340	-	25	7	.085	2.16	.255	6.48
-	49340	-	25	19	.052	1.32	.260	6.60
52620	-	3	-	7	.0867	2.20	.260	6.61
66300	-	2	-	7	.0974	2.47	.292	7.42

AWG VS. METRIC WIRE SIZES (continued)

Circ. Mils	Equivalent Circ. Mils	AWG Size	Metric Wire Size (mm)	Number of Strands	Wire Dia. per Strand		Approx. Overall Diameter	
					inches	mm	inches	mm
-	69070	-	35	7	.100	2.54	.300	7.62
-	69070	-	35	19	.001	1.55	.305	7.75
83690	-	1	-	19	.0064	1.50	.332	8.43
-	98680	-	50	19	.073	1.85	.365	9.27
105000	-	1/0	-	19	.0745	1.59	.373	9.46
133100	-	2/0	-	19	.0837	2.13	.419	10.6
-	138100	-	70	19	.086	2.18	.430	10.9
167800	-	3/0	-	19	.094	2.59	.470	11.9
167800	-	3/0	-	36	.0673	1.71	.471	12.0
-	187500	-	95	19	.101	2.57	.505	12.8
-	187500	-	95	37	.072	1.83	.504	12.5
211600	-	4/0	-	19	.1055	2.89	.528	13.4
-	237.8 kcmil	-	120	37	.081	2.06	.567	14.4
250 kcmil	-	-	-	37	.0822	2.07	.575	14.6
300 kcmil	-	-	150	37	.090	2.29	.630	16.0
350 kcmil	-	-	-	37	.0973	2.47	.681	17.3
-	365.1 kcmil	-	185	37	.100	2.54	.700	17.8
400 kcmil	-	-	-	37	.104	2.64	.728	18.5
-	473.6 kcmil	-	240	37	.114	2.90	.798	20.3
-	473.6 kcmil	-	240	61	.089	2.26	.801	20.3
500 kcmil	-	-	-	37	.1162	2.95	.813	20.7
500 kcmil	-	-	-	61	.0905	2.30	.814	20.7
-	592.1 kcmil	-	300	61	.099	2.51	.891	22.6
600 kcmil	-	-	-	61	.0992	2.52	.893	22.7
700 kcmil	-	-	-	61	.1071	2.72	.964	24.5
750 kcmil	-	-	-	6	.1109	2.82	.998	25.4
750 kcmil	-	-	-	91	.0908	2.31	.998	25.4
-	789.4 kcmil	-	400	61	.114	2.90	1.026	26.1
800 kcmil	-	-	-	61	.1145	2.91	1.031	26.2
800 kcmil	-	-	-	91	.0938	2.38	1.032	26.2
1000 kcmil	986.8 kcmil	-	500	61	.1280	3.25	1.152	28.3
1000 kcmil	-	-	-	91	.1048	2.66	1.153	29.3
-	1233.7 kcmil	-	625	91	.117	2.97	1.287	32.7
1250 kcmil	-	-	-	91	.1172	2.93	1.289	32.7
1250 kcmil	-	-	-	127	.0992	2.52	1.200	32.8
1500 kcmil	-	-	-	91	.1284	3.26	1.412	36.9
1500 kcmil	-	-	-	127	.1087	2.76	1.413	36.9
-	1578.8 kcmil	-	800	91	.132	3.35	1.452	36.9
-	1973.5 kcmil	-	1000	91	.147	3.73	1.617	41.1
2000 kcmil	-	-	-	127	.1255	3.19	1.632	41.5
2000 kcmil	-	-	-	169	.1088	2.76	1.632	41.5

INCHES & MILLIMETERS CONVERSION CHART

INCHES		MM	INCHES		MM	MM	INCHES	MM	INCHES
$\frac{1}{64}$	.015625	0.397	$\frac{33}{64}$	.515625	13.097	.1	.0039	46	1.8110
$\frac{1}{32}$	.03125	0.794	$\frac{17}{32}$	.53125	13.494	.2	.0079	47	1.8504
$\frac{3}{64}$	.046875	1.191	$\frac{35}{64}$	.546875	13.891	.3	.0118	48	1.8898
$\frac{1}{16}$	.0625	1.588	$\frac{9}{16}$	.5625	14.288	.4	.0157	48	1.9291
$\frac{5}{64}$	.078125	1.984	$\frac{37}{64}$	.578125	14.684	.5	.0197	50	1.9685
$\frac{3}{32}$	.09375	2.381	$\frac{19}{32}$	.59375	15.081	.6	.0236	51	2.0079
$\frac{7}{64}$	.109375	2.778	$\frac{39}{64}$	.609375	15.478	.7	.0276	52	2.0472
$\frac{1}{8}$	.1250	3.175	$\frac{5}{8}$	.6250	15.875	.8	.0315	53	2.0866
$\frac{9}{64}$	.140625	3.572	$\frac{41}{64}$	.640625	16.272	.9	.0354	54	2.1260
$\frac{5}{32}$	.15625	3.969	$\frac{21}{32}$	.65625	16.669	1	.0394	55	2.1654
$\frac{11}{64}$	.171875	4.366	$\frac{43}{64}$	.671875	17.066	2	.0787	56	2.2047
$\frac{3}{16}$	.1875	4.763	$\frac{11}{16}$	.6875	17.463	3	.1181	57	2.2441
$\frac{13}{64}$	.203125	5.159	$\frac{45}{64}$	.703125	17.859	4	.1575	58	2.2835
$\frac{7}{32}$	.21875	5.556	$\frac{23}{32}$	.71875	18.256	5	.1969	59	2.3228
$\frac{15}{64}$	.234375	5.953	$\frac{47}{64}$	.734375	18.653	6	.2362	60	2.3622
$\frac{1}{4}$	.2500	6.350	$\frac{3}{4}$	.7500	19.050	7	.2756	61	2.4016
$\frac{17}{64}$	.265625	6.747	$\frac{49}{64}$	.765625	19.447	8	.3150	62	2.4409
$\frac{9}{32}$	.28125	7.144	$\frac{25}{32}$	.78125	19.844	9	.3543	63	2.4803
$\frac{19}{64}$	.296875	7.541	$\frac{51}{64}$	.796875	20.241	10	.3937	64	2.5197
$\frac{5}{16}$	.3125	7.938	$\frac{13}{16}$	.8125	20.638	11	.4331	65	2.5591
$\frac{21}{64}$	.328125	8.334	$\frac{53}{64}$	.828125	21.034	12	.4724	66	2.5984
$\frac{11}{32}$	.34375	8.731	$\frac{27}{32}$	.84375	21.431	13	.5118	67	2.6378
$\frac{23}{64}$	.359375	9.128	$\frac{55}{64}$	.859375	21.828	14	.5512	68	2.6772
$\frac{3}{8}$	.3750	9.525	$\frac{7}{8}$	.8750	22.225	15	.5906	69	2.7165
$\frac{25}{64}$	.390625	9.922	$\frac{57}{64}$	.890625	22.622	16	.6299	70	2.7559
$\frac{13}{32}$	.40625	10.319	$\frac{29}{32}$	.90625	23.019	17	.6693	71	2.7953
$\frac{27}{64}$	.421875	10.716	$\frac{59}{64}$	.921875	23.416	18	.7087	72	2.8346
$\frac{7}{16}$	.4375	11.113	$\frac{15}{16}$	.9375	23.813	19	.7480	73	2.8740
$\frac{29}{64}$	.453125	11.509	$\frac{61}{64}$	.953125	24.209	20	.7874	74	2.9134
$\frac{15}{32}$	.46875	11.906	$\frac{31}{32}$	.96875	24.606	21	.8268	75	2.9528
$\frac{31}{64}$	.484375	12.303	$\frac{63}{64}$	.984375	25.003	22	.8661	76	2.9921
$\frac{1}{2}$	.5000	12.700	1	1.000	25.400	23	.9055	77	3.0315
						24	.9449	78	3.0709
						25	.9843	79	3.1102
						26	1.0236	80	3.1496
						27	1.0630	81	3.1890
						28	1.1024	82	3.2283
						29	1.1417	83	3.2677
						30	1.1811	84	3.3071
						31	1.2205	85	3.3465
						32	1.2598	86	3.3858
						33	1.2992	87	3.4252
						34	1.3386	88	3.4646
						35	1.3780	89	3.5039
						36	1.4173	90	3.5433
						37	1.4567	91	3.5827
						38	1.4961	92	3.6220
						39	1.5354	93	3.6614
						40	1.5748	94	3.7008
						41	1.6142	95	3.7402
						42	1.6535	96	3.7795
						43	1.6929	97	3.8189
						44	1.7323	98	3.8583
						45	1.7717	99	3.8976
								100	3.9370

BURNDY CONDUCTOR NUMBERING SYSTEM - © BURNDY ENGINEERING CO., INC., 1940

Outside Dia. IN	Outside Dia. MM	STR. CABLE		SOL. WIRE		AREA MM ² Copper Cable	ACSR		PIPE SIZE CONDUCTOR				TUBE & ROD		SERVIT NO.
		Cat. No.	Size	Cat. No.	Size		Cat. No.	Cable Size	Cat. No.	ST D	Cat No.	Ex Hvy	Cat. No.	Dia.	
.102	2.594			10W	10	5.261									KS90
.114	2.896			9W	9	6.634									
.116	2.946	10 C	10			5.261									
.125	3.175												60	1/8	
.129	3.277			8W	8	8.366									KS15
.130	3.302	9 C	9			6.634									
.144	3.658			7W	7	10.550									
.146	3.708	8 C	8			8.366									
.158	4.013						8R	8							
.162	4.115			6W	6	13.300									KS17
.164	4.166	7 C	7			10.550									
.176	4.470						7R	7							
.182	4.597			5W	5	16.770									
.184	4.648	6 C	6			13.300									
.198	5.029						6R	6							
.204	5.182			4W	4	21.150									KS20
.206	5.258	5 C	5			16.770									
.223	5.664						5R	5							
.229	5.817			3W	3	26.670									
.232	5.867	4 C	4			21.150									
.250	6.350						4R	4					61	1/4	
.258	6.553			2W	2	33.630									KS22
.260	6.629	3 C	3			2.6670									
.281	7.137						3R	3							
.289	7.344			1W	1	42.410									
.292	7.394	2 C	2			33.630									KS23
.316	8.026						2R	2							
.325	8.255			75	1/0	53.480									
.332	8.382	1 C	1			42.410									
.355	9.017						1R	1							
.365	9.274			76	2/0	67.430									
.372	9.474	25	1/0			53.480									KS25
.375	9.525												62	3/8	
.398	10.109						25R	1/0							
.405	10.287								10	1/8	50	1/8			
.410	10.414			77	3/0	85.030									
.419	10.617	26	2/0			67.430									KS26
.447	11.354						26R	2/0							
.460	11.684			78	4/0	107.200									
.470	11.938	27	3/0			85.030									
.500	12.700												63	1/2	
.502	12.725						27R	3/0							
.528	13.414	28	4/0			107.200									KS28
.540	13.716								11	1/4	51	1/4			
.563	14.326						28R	4/0							
.575	14.605	29	250			127.000									
.630	16.002	30	300			152.000									
.633	16.078						29R	266.800							
.642	16.307						30R	266.800							
.675	17.145								12	3/8	52	3/8			
.680	17.272						31R	300.000							
.681	17.297	31	350			177.000									KS31
.721	18.313						32R	336.400							
.728	18.494	32	400			203.000									
.741	18.824						33R	336.400							
.750	19.050												64	3/4	
.772	19.609	33	450			228.000									
.783	19.888						34R	397.500							
.806	20.472						35R	397.500							
.813	20.676	34	500			253.000									
.840	21.336								13	1/2	53	1/2			
.855	21.717	35	550			279.000									KS34
.858	21.742						36R	477.000							
.883	22.428						37R	477.000							
.893	22.682	36	600			304.000									
.904	22.962						38R	500.000							
.927	23.546						39R	556.500							
.929	23.597	37	650			329.000									
.953	24.206						40R	556.500							
.953	24.206						41R	605.000							
.964	24.486	38	700			355.000									
.977	24.714						42R	636.000							
.998	25.349	39	750			380.000									KS39
1.000	25.400						43R	666.600					65	1	

BURNDY CONDUCTOR NUMBERING SYSTEM (continued)

Outside Dia. IN	Outside Dia. MM	STR. CABLE		SOL. WIRE		AREA MM ² Copper Cable	ACSR		PIPE SIZE CONDUCTOR				TUBE & ROD		SERVIT NO.	
		Cat. No.	Size	Cat. No.	Size		Cat. No.	Cable Size	Cat. No.	ST D	Cat No.	Ex Hvy	Cat. No.	Dia.		
1.031	26.187	40	800			405.000										
1.036	26.314						44R	715,500								
1.050	26.670								14		54					
1.062	26.975	41	850			431.000										
1.094	27.762	42	900			456.000	45R	795,000								
1.123	28.524	43	950			481.000										
1.146	29.108						46R	874,000								
1.152	29.264	44	1000			507.000										KS44
1.162	29.515						47R	900,000								
1.196	30.378						48R	954,000								
1.209	30.709	444	1100			557.000										
1.246	31.648						49R	1,033,500								
1.250	31.750												66	1		
1.263	32.080	448	1200			608.000										
1.289	32.744	45	1250			633.000										
1.293	32.817						50R	1,113,000								
1.315	33.404	452	1300						15	1	55	1				
1.338	33.960						51R	1,192,500								
1.364	34.646	456	1400			709.000										
1.382	35.103						52R	1,272,000								
1.412	35.865	46	1500			760.000										
1.424	36.170						53R	1,351,500								
1.459	37.059	464	1600			811.000										
1.465	37.214						54R	1,431,000								
1.500	38.100												67	1-1/2		
1.504	38.202	468	1700			861.000										
1.506	38.252						55R	1,510,500								
1.526	38.786	47	1750			866.000										
1.545	39.218						56R	1,590,000								
1.548	39.319	472	1800			912.000										
1.590	40.386	476	1900			963.000										
1.632	41.427	48	2000			1013.00										
1.660	42.164								16	1	56	1				
1.729	43.917	483	2250			1140.000										
1.824	46.330	486	2500			1267.000										
1.900	48.260								17	1-1/2	57	1-1/2				
1.914	48.616	490	2750			1393.000										
1.988	50.495	493	3000			1520.000										
2.000	50.800												68	2		
2.375	60.325								18	2	58	2				
2.500	63.500												69	2-1/2		
2.875	73.025								19	2-1/2	59	2-1/2				
3.000	76.200												70	3		
3.500	88.900								20	3	90	3	71	3-1/2		
4.000	101.600								21	3-1/2	91	3-1/2	72	4		
4.500	114.300								22	4	92	4	73	4-1/2		
5.000	127.000								23	4-1/2	93	4-1/2	74	5		
5.563	141.300								24	5	94	5				
6.063	154.000								85	5-1/2	95	5-1/2				
6.625	168.275								86	6	96	6				
7.625	193.675								87	7	97	7				
8.625	219.075								88	8	98	8				

DIE INDEX REFERENCE

This chart provides a cross reference between die index numbers marked on BURNDY® Compression Connectors and corresponding BURNDY® Die Sets used with the various BURNDY® Installation Tools.

This is the only way to have complete connections with The BURNDY® Engineered System.

A die index number has been assigned to each required groove configuration. A prefix letter is used to indicate the specific installation tool for which the die has been designed, as shown.

DIE PROFILES

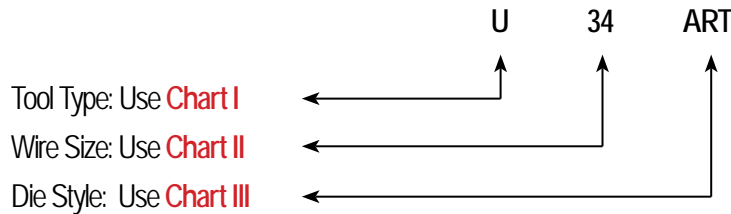
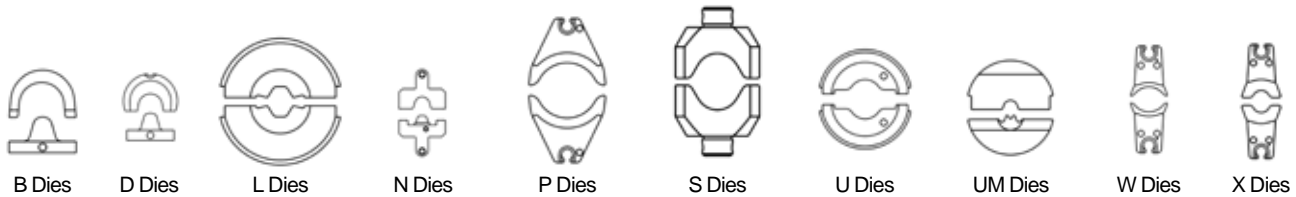


CHART I - Tool Type

B = Y34BH	U = 35 and 750 Series, 46 Series w/PUADP1 U-die Adapter
D = Y29BH	
L = 60 Series	UM = OEM840NCP, 750 Series, 46 Series w/PUADP1 U-die Adapter
N = M8ND	
P = 46 Series	W = MD and PATMD Series, PAT500SJ, PAT600
S = Y45	X = MD6 and MD7 Series, OUR840

CHART II - Wire Size

12 = #12 AWG	27 = 3/0
10 = #10 AWG	28 = 4/0
8C = #8 AWG	29 = 250 kcmil
6C = #6 AWG	30 = 300 kcmil
5C = #5 AWG	31 = 350 kcmil
4C = #4 AWG	32 = 400 kcmil
3C = #3 AWG	34 = 500 kcmil
2C = #2 AWG	36 = 600 kcmil
1C = #1 AWG	39 = 750 kcmil
25 = 1/0	44 = 1000 kcmil
26 = 2/0	

Or **INDEX NUMBER**: Example U312 = **312** Die Index

CHART III - Die Style

- A** = Aluminum
- R** = Round (circumferential)
- T** = Twin Die (both halves)

Footnotes for the chart in the following pages:

- ① - Cat. No. Y35P3 Adapter is required to use "Y34PR" type indenters with "U" type nest dies in 35 and 750 Series
- ② - Cat. No. PT6515 Adapter is required to use "U" type dies in 45 Series
- ③ - Cat. No. PUADP1 Adapter is required to use "U" type dies in 46 Series
- ④ - These sizes (250 - 500 kcmil) are not recommended for use with MD6 & MD7 Series tools due to high handle force
- ⑤ - Hexagonal crimp
- ⑥ - Die 302 recommended for 1.84 O.D. barrel

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
BURNDY	E EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
A		DIE SET							UA	UA	UA	UA	
BG		DIE SET				Perm. GR WBG	XBG XNBG		UBG	UBG	UBG	UBG	
C		DIE SET	BROWN			WC			UC	UC	UC	UC	
D		DIE SET							UD	UD	UD	UD	
D3		DIE SET	BLUE						UYFD	UYFD	UYFD	UYFD	
						Perm. GR			UD3	UD3	UD3	UD3	
E		DIE SET							UE	UE	UE	UE	
F		DIE SET							UF	UF	UF	UF	
H		DIE SET							UH	UH	UH	UH	
K1/4		DIE SET				WK14							
K5/16		DIE SET				WK516			UK516T	UK516T	UK516T	UK516T	
K3/8		DIE SET				WK38			UK38T	UK38T	UK38T	UK38T	
K1/2		DIE SET				WK12							
K9/16		DIE SET				WK916			UK916T	UK916T	UK916T	UK916T	
K19/32		DIE SET				WK1932							
K5/81		DIE SET							UK581T	UK581T	UK581T	UK581T	
K11/16		DIE SET				WK1116			UK1116T	UK1116T	UK1116T	UK1116T	
K3/4		DIE SET							UK34T	UK34T	UK34T	UK34T	
K1		DIE SET							UK1T	UK1T	UK1T	UK1T	
K15/16		DIE SET							UK1516T	UK1516T	UK1516T	UK1516T	
K635		DIE SET				WK737			UK737T	UK737T	UK737T	UK737T	
K747		DIE SET				WK747							
K781		DIE SET				WK781							
K840		DIE SET				WK840			UK840T	UK840T	UK840T	UK840T	
KB		DIE SET				WKB			UKBT	UKBT	UKBT	UKBT	
KBKT		DIE SET							UKBKTT	UKBKTT	UKBKTT	UKBKTT	
KC		DIE SET							UKCT	UKCT	UKCT	UKCT	
KK		DIE SET				WKK							
KR		DIE SET	YELLOW									PYFR	
											SKR	PKR	
KT		DIE SET				WKT							
KU		DIE SET							UKUT	UKUT	UKUT	UKUT	
L		DIE SET				WL			UL	UL	UL	UL	
L80		DIE SET							U32XRT	U32XRT	U32XRT	U32XRT	
L99		DIE SET	PINK						U38XRT	U38XRT	U38XRT	U38XRT	
L115		DIE SET	YELLOW						U44XRT	U44XRT	U44XRT	U44XRT	
M		DIE SET							UM	UM	UM	UM	
N		DIE SET	RED						UYFN	UYFN	UYFN	UYFN	
									UN	UN	UN	UN	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES								
BURNDY	EEl	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series	
O		DIE SET	GREEN						UYFO	UYFO	UYFO	UYFO		
							Perm. GR WO			UO	UO	UO	UO	
Q		DIE SET				WQ								
R		DIE SET							UR	UR	UR	UR		
T		DIE SET									ST			
Z		DIE SET									SZ			
7 94		DIE SET	BLUE	MR4C MY293 MY2911	1 CRIMP	W5CRT	X5CRT		U5CRT	U5CRT	U5CRT	U5CRT		
		NEST						D6CL	U6CD1	U6CD1	U6CD1	U6CD1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
8 95		DIE SET	GRAY	MR4C MY293 MY2911	1 CRIMP	W4CRT	X4CRT		U4CRT	U4CRT	U4CRT	U4CRT		
		NEST						D4CL	U4CD1	U4CD1	U4CD1	U4CD1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
9 96		DIE SET	WHITE	MY293 MY2911	1 CRIMP	W3CRT	X3CRT		U3CRT	U3CRT	U3CRT	U3CRT		
		NEST						D3CL	U3CD1	U3CD1	U3CD1	U3CD1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
10 97		DIE SET	BROWN	MY293 MY2911	1 CRIMP	W2CRT	X2CRT		U2CRT	U2CRT	U2CRT	U2CRT		
		NEST						D2CL	U2CD1	U2CD1	U2CD1	U2CD1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
11 98		DIE SET	GREEN	MY293 MY2911	1 CRIMP	W1CRT1	X1CRT1		U1CRT1	U1CRT1	U1CRT1	U1CRT1		
		NEST						D1CL	U1CD1	U1CD1	U1CD1	U1CD1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
12 99		DIE SET	PINK	MY293 MY2911	1 CRIMP	W25RT	X25RT		U25RT	U25RT	U25RT	U25RT		
		NEST						D25L	U25D1	U25D1	U25D1	U25D1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
13 100		DIE SET	BLACK	MY293 MY2911	1 CRIMP	W26RT	X26RT		U26RT	U26RT	U26RT	U26RT		
		NEST						D26L	U26D1	U26D1	U26D1	U26D1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
14 101		DIE SET	ORANGE	MY293 MY2911	1 CRIMP	W27RT	X27RT		U27RT	U27RT	U27RT	U27RT		
		NEST						D27L	U27D1	U27D1	U27D1	U27D1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
15		DIE SET	PURPLE	MY293 MY2911	1 CRIMP	W28RT	X28RT		U28RT	U28RT	U28RT	U28RT		
		NEST						D28L	U28D1	U28D1	U28D1	U28D1		
		INDENTOR						Y29PR	Y34PR	Y34PR	Y34PR	Y34PR	Y34PR	
16		DIE SET	YELLOW	MY293 MY2911	1 CRIMP	W29RT ④	X29RT		U29RT	U29RT	U29RT	U29RT		
		NEST						D29L		U29D1	U29D1	U29D1		
		INDENTOR						Y29PR		Y34PR	Y34PR	Y34PR	Y34PR	
17		DIE SET	WHITE		1 CRIMP	W30RT ④			U30RT	U30RT	U30RT	U30RT	L30RT	
		NEST								U30D1	U30D1	U30D1		
		INDENTOR								Y34PR	Y34PR	Y34PR		

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
GROOVE		TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
BURNDY	EEI												
18		DIE SET	RED		1 CRIMP	W31RT ④			U31RT	U31RT	U31RT	U31RT	L31RT
		NEST								U31D1	U31D1	U31D1	
		INDENTOR								Y34PR	Y34PR	Y34PR	
19		DIE SET	BLUE		1 CRIMP	W32RT ④			U32RT	U32RT	U32RT	U32RT	L32RT
		NEST								U32D1	U32D1	U32D1	
		INDENTOR								Y34PR	Y34PR	Y34PR	
20		DIE SET	BROWN		1 CRIMP	W34RT ④			U34RT	U34RT	U34RT	U34RT	L34RT
		NEST								U34D1	U34D1	U34D1	
		INDENTOR								Y34PR	Y34PR	Y34PR	
21		DIE SET	YELLOW		1 CRIMP				U35RT	U35RT	U35RT		
		NEST											
		INDENTOR											
22		DIE SET	GREEN		1 CRIMP				U36RT	U36RT	U36RT	U36RT	L36RT
		NEST										P36D	
		INDENTOR										P44PR	
23		DIE SET	ORANGE		1 CRIMP				U37RT	U37RT	U37RT		
		NEST											
		INDENTOR											
24		DIE SET	BLACK		1 CRIMP				U39RT	S39RT	P39RT	L39RT	
		NEST										P39D	
		INDENTOR										P44PR	
25		DIE SET	ORANGE		1 CRIMP						S40RT	P40RT	
		NEST										P40D	
		INDENTOR										P44PR	
26		DIE SET	GOLD		1 CRIMP								
		NEST											
		INDENTOR											
27		DIE SET	WHITE		1 CRIMP						S44RT	P44RT	L44RT
		NEST										P44D	
		INDENTOR										P44PR	
29		DIE SET	YELLOW		1 CRIMP							P45RT	L45RT
		NEST											
		INDENTOR											
30		DIE SET	ORANGE		1 CRIMP								
		NEST											
		INDENTOR											
31		DIE SET	GREEN		1 CRIMP						S46RT	P46RT	L46RT
		NEST										No Nest	
		INDENTOR										P44PR	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
GROOVE		TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
BURNDY	EEl												
33		DIE SET	GRAY										L47RT
		NEST											
		INDENTOR											
34		DIE SET	BROWN										L48RT
		NEST											
		INDENTOR											
38		NEST		MR4C MR8G98 MR89Q MY28 Y8MRB1				DV8L	UV8L	UV8L	UV8L	UV8L	
		INDENTOR						Y29PL	Y34PL	Y34PL	Y34PL	Y34PL	Y34PL
39		NEST		MR4C MY28	1 CRIMP			DV6L	UV6L	UV6L	UV6L	UV6L	
		INDENTOR						Y29PL	Y34PLA	Y34PLA	Y34PLA	Y34PLA	Y34PLA
40		NEST		MR4C MY28				DV4L	UV4L	UV4L	UV4L	UV4L	
		INDENTOR						Y29PL	Y34PLA	Y34PLA	Y34PLA	Y34PLA	Y34PLA
41		NEST		MY28				DV2L	UV2L	UV2L	UV2L	UV2L	
		INDENTOR						Y29PL	Y34PLA	Y34PLA	Y34PLA	Y34PLA	Y34PLA
42		NEST		MY28				DV1L	UV1L	UV1L	UV1L	UV1L	
		INDENTOR						Y29PL	Y34PLA	Y34PLA	Y34PLA	Y34PLA	Y34PLA
43		NEST		MY28				DV25L	UV25L	UV25L	UV25L	UV25L	
		INDENTOR						Y29PL	Y34PA	Y34PA	Y34PA	Y34PA	Y34PA
44		NEST		MY28				DV26L	UV26L	UV26L	UV26L	UV26L	
		INDENTOR						Y29PL	Y34PA	Y34PA	Y34PA	Y34PA	Y34PA
45		NEST		MY28					UV27L	UV27L	UV27L	UV27L	
		INDENTOR							Y34PA	Y34PA	Y34PA	Y34PA	Y34PA
46		NEST		MY28					UV28L	UV28L	UV28L	UV28L	
		INDENTOR							Y34PA	Y34PA	Y34PA	Y34PA	Y34PA
49		DIE SET	RED			W8CRT	X8CRT		U8CRT	U8CRT	U8CRT	U8CRT	
161		DIE SET				W161	X161		U161	U161	U161	U161	
162		DIE SET				W162	W162		U162	U162	U162	U162	
163 505		DIE SET				W163	W163		U163	U163	U163	U163	
164 275		DIE SET				W164			U164	U164	U164	U164	
165 205 287 339		DIE SET				W165	X165		U165/ U205	U165/ U205	U165/ U205	U165/U205	L165
166 206 459		DIE SET				W166			U166/ U459	U166/ U459	U166/ U459	U166/U459	L166
167 207 211 256 568		DIE SET				W167			U167/ U568	U167/ U568	U167/ U568	U167/U568	L167
168 208		DIE SET							U168	U168	U168	U168	L168
169		DIE SET							U169	U169	U169	U169	L169
170 306		DIE SET							U170	U170	U170	U170	L170
171		DIE SET							U171	U171	U171	U171	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
GROOVE													
BURNDY	EEI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
193		DIE SET							U193	U193	U193	U193	L193
202		DIE SET							U202	U202	U202	U202	
203		DIE SET							U203	U203	U203	U203	
204		DIE SET							U204	U204	U204	U204	
205 165 287 339		DIE SET				W165	X165		U165/ U205	U165/ U205	U165/ U205	U165/U205	L165
206 166 459		DIE SET				W166			U166/ U459	U166/ U459	U166/ U459	U166/U459	L166
207 167 211 256 568		DIE SET				W167			U167/ U568	U167/ U568	U167/ U568	U167/U568	L167
208 168		DIE SET							U168	U168	U168	U168	L168
209		DIE SET							U209	U209	U209	U209	L209
210		DIE SET							U210	U210	U210	U210	L210
211 167 256 568		DIE SET				W167			U167/ U568	U167/ U568	U167/ U568	U167/U568	L167
236		DIE SET				W236			U236	U236	U236	U236	
237		DIE SET				W237	X237		U237	U237	U237	U237	
238		DIE SET				W238			U238	U238	U238	U238	
239		DIE SET				W239	X239		U239	U239	U239	U239	
240		DIE SET	RED			W240			U240	U240	U240	U240	
241		DIE SET				W241	X241		U241	U241	U241	U241	
242 244	3S/4S	DIE SET				W242			U242	U242	U242	U242	L242
243		DIE SET				W243			U243	U243	U243	U243	L243
244 242	3S/4S	DIE SET				W242			U242	U242	U242	U242	L242
245	9A	DIE SET				W245	X245		U245	U245	U245	U245	L245
246 248	5S	DIE SET				W248			U248	U248	U248	U248	L248
247		DIE SET				W247	X247		U247	U247	U247	U247	L247
248 246	5S	DIE SET				W248			U248	U248	U248	U248	L248
249	11A	DIE SET				W249	X249		U249	U249	U249	U249	L249
250		DIE SET							U250	U250	U250	U250	L250
251	12A	DIE SET	RED			W251			U251	U251	U251	U251	L251
252		DIE SET							U252	U252	U252	U252	L252
253		DIE SET							U253	U253	U253	U253	L253
254		DIE SET									S254	P254	L254
255		DIE SET							U255	U255	U255	U255	L255
256 167 207 211 568		DIE SET				W167			U167/ U567	U167/ U567	U167/ U567	U167/U567	L167
257		DIE SET							U257	U257	U257	U257	L257
259		DIE SET							U259	U259	U259	U259	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES								
GROOVE														
BURNDY	EEL	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series	
260		DIE SET											L260	
261 318	15A	DIE SET							U261	U261	U261	U261	L261	
263		DIE SET							U263	U263	U263	U263		
267		DIE SET							U267	U267	U267	U267	L267	
275 164		DIE SET				W164			U164	U164	U164	U164		
276		DIE SET							U276	U276	U276	U276		
285		DIE SET							U285	U285	U285	U285		
287 165 205 339		DIE SET				W165			U165/ U205	U165/ U205	U165/ U205	U165/U205	L165	
292 578		DIE SET									S292	P292	L292	
293 294		DIE SET											L293	
296		DIE SET	TAN	MY293	1 CRIMP		X25ART		U25ART	U25ART	U25ART	U25ART		
		NEST										P27D		
		INDENTOR											P34PR5	
297		DIE SET	OLIVE	MY293	1 CRIMP		X26ART		U26ART	U26ART	U26ART	U26ART		
		NEST											P29D	
		INDENTOR											P34PR5	
298		DIE SET	WHITE	MY293	1 CRIMP		X28ART		U28ART	U28ART	U28ART	U28ART	L28ART	
		NEST											P31D	
		INDENTOR											Y45PR5	
299		DIE SET	BROWN		1 CRIMP				U31ART	U31ART	U31ART	U31ART	L31ART	
		NEST											P35D	
		INDENTOR											P48PR1	
300		DIE SET	PINK		1 CRIMP				U34ART	U34ART	U34ART	U34ART	L34ART	
		NEST											P39D	
		INDENTOR											P48PR1	
301		DIE SET	RED		1 CRIMP						S39ART	P39ART	L39ART	
		NEST											P45D	
		INDENTOR											P48PR1	
302		DIE SET	BROWN		1 CRIMP						S44ART	P44ART	L44ART	
		NEST											No Nest	
		INDENTOR											P48PR1	
303		DIE SET	GRAY						U42ART	U42ART	U42ART	U42ART		
304		DIE SET							U304	U304	U304	U304	L304	
305 341		DIE SET							U305	U305	U305	U305	L305	
306 170		DIE SET							U170	U170	U170	U170	L170	
308		DIE SET							U308	U308	U308	U308		
313		DIE SET							U313	U313	U313	U313	L313	
314 376		DIE SET											L314	

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
BURNDY	E EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
316		DIE SET							U316	U316	U316	U316	L316
317 426		DIE SET							U317	U317	U317	U317	L317
318 261		DIE SET							U261	U261	U261	U261	L261
319		DIE SET									S319	P319	L319
320		DIE SET									S320	P320	L320
321		DIE SET							U321	U321	U321	U321	L321
322		DIE SET							U322	U322	U322	U322	
324		DIE SET	RED		1 CRIMP				U29ART	U29ART	U29ART	U29ART	L29ART
		NEST										P32D	
		INDENTOR											P34PR5
326 538		DIE SET							U33RT	U33RT	U33RT	U33RT	
327	14A	DIE SET							U327	U327	U327	U327	L327
328		DIE SET											L328
329		DIE SET							U329	U329	U329	U329	
331		DIE SET							U331	U331	U331	U331	
339 165 205 287		DIE SET					X339		U165/ U205	U165/ U205	U165/ U205	U165/U205	L165
341 305		DIE SET							U305	U305	U305	U305	L305
342		DIE SET									S342	P342	L342
344		DIE SET											L344
345		DIE SET											L345
346 ③		DIE SET	GRAY		1 CRIMP		X6CART		U6CABT	U6CABT	U6CABT	U6CABT	
348		DIE SET	PINK		1 CRIMP		X2CART		U2CABT	U2CABT	U2CABT	U2CABT	
350		DIE SET							U350	U350	U350	U350	L350
352		DIE SET									S352	P352	L352
373		DIE SET							U373	U373	U373	U373	
374		DIE SET	BLUE	MY293			X8CART		U8CABT	U8CABT	U8CABT	U8CABT	
375		DIE SET	GREEN	MY293	1 CRIMP		X4CART		U4CABT	U4CABT	U4CABT	U4CABT	
376 314		DIE SET											L314
400		DIE SET	PINK						U38RT	U38RT	U38RT	U38RT	
403		DIE SET							U403	U403	U403	U403	
419		DIE SET									S419	P419	L419
422		DIE SET											L422
426 317		DIE SET							U317	U317	U317	U317	
459 166		DIE SET							U166/ U459	U166/ U459	U166/ U459	U166/U459	
467		DIE SET	RUBY	MY293	1 CRIMP				X27ART	U27ART	U27ART	U27ART	U27ART
		NEST										P30D	
		INDENTOR											P34PR5
468		DIE SET							U468	U468	U468	U468	
469		DIE SET									S469	P469	L469

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES								
BURNDY	EEl	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series	
470		DIE SET	BLUE		1 CRIMP				U30ART	U30ART	U30ART	U30ART	L30ART	
		NEST											P34D	
		INDENTOR												P48PR1
471		DIE SET	GOLD		MY293 1 CRIMP		X1CART		U1CART	U1CART	U1CART	U1CART		
		NEST												
		INDENTOR												
472		DIE SET	GREEN		1 CRIMP				U32ART	U32ART	U32ART	U32ART	L32ART	
		NEST											P35D	
		INDENTOR												P48PR1
473		DIE SET	BLACK		1 CRIMP				U36ART	U36ART	U36ART	U36ART	L36ART	
		NEST											P44D	
		INDENTOR												P48PR1
474		DIE SET	GOLD		1 CRIMP						S40ART	P40ART	L40ART	
		NEST												
		INDENTOR												
478		DIE SET	BLUE										L46ART	
		NEST												
		INDENTOR												
479		DIE SET	RED										L48ART	
490547		DIE SET							U490	U490	U490	U490	L490	
495		DIE SET											L495	
505 163		DIE SET				W163			U163	U163	U163	U163	L163	
511		NEST INDENTOR		MY293										
512		NEST INDENTOR		MY293										
513		NEST INDENTOR		MY293										
514		NEST INDENTOR		MY293										
515		NEST INDENTOR		MY293										
516		NEST INDENTOR		MY293										
517		NEST INDENTOR		MY293										
518		NEST INDENTOR		MY293										
519		NEST INDENTOR		MY293										
520		NEST INDENTOR		MY293										

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
BURNDY	E EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
538 326		DIE SET							U33RT	U33RT	U33RT	U33RT	
547 490		DIE SET							U490	U490	U490	U490	L490
552		DIE SET							U552	U552	U552	U552	
568 167 207 211 256		DIE SET				W167			U167/ U568	U167/ U568	U167/ U568	U167/U568	
575		DIE SET											L575
576		DIE SET											L576
578 292		DIE SET									S292	P292	L292
579		DIE SET									S579	P579	L579
587		DIE SET											L47ART
607		DIE SET							U607	U607	U607	U607	
608		DIE SET							U608	U608	U608	U608	L608
609		DIE SET							U609	U609	U609	U609	
627		DIE SET											L627
642		DIE SET							U642	U642	U642	U642	L642
643		DIE SET							U643	U643	U643	U643	
647 ④		DIE SET											L45ART
648		DIE SET											L648
654		DIE SET	PURPLE						U654	U654	U654	U654	L654
655	13A	DIE SET							U655	U655	U655	U655	
658		DIE SET							U658	U658	U658	U658	
659		DIE SET				W659			U659	U659	U659	U659	
660		DIE SET				W660	X660		U660	U660	U660	U660	
667		DIE SET											L667
668		DIE SET							U668	U668	U668	U668	
676		DIE SET							U676	U676	U676	U676	
677		DIE SET							U677	U677	U677	U677	L677
678		DIE SET							U678	U678	U678	U678	
679		DIE SET							U679	U679	U679	U679	
684		DIE SET											L684
687		DIE SET				W687	X687						
690	1S	DIE SET				W690			U690	U690	U690	U690	
691	2S	DIE SET				W691			U691	U691	U691	U691	
692	4S	DIE SET				W692			U692	U692	U692	U692	
693	6A	DIE SET				W693			U693	U693	U693	U693	
694	10A	DIE SET				W694			U694	U694	U694	U694	
702		DIE SET				W702							

See Footnotes preceding the table.

PRESENT INSTALLATION TOOL INDEX

DIE GROOVE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES							
BURNDY	EI	TYPE	COLOR	MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series	60 Series
705		DIE SET							U705	U705	U705	U705	
717 ⑤		DIE SET									S717	P717	L717/ L717W
718 ⑤		DIE SET											L718
719 ⑤		DIE SET									S719	P719	L719/ L719W
720 ⑤		DIE SET									S720	P720	L720/ L720W
721 ⑤		DIE SET											L721
722 ⑤		DIE SET									S722	P722	L722/ L722W
723 ⑤		DIE SET											L723
724 ⑤		DIE SET									S724	P724	L724/ L724W
725 ⑤		DIE SET									S725	P725	L725/ L725W
726 ⑤		DIE SET											L726
727 ⑤		DIE SET											L727/ L727W
728 ⑤		DIE SET											L728/ L728W
729 ⑤		DIE SET											L729/ L729W
735 ⑤		DIE SET											L735/ L735W
740 ⑤		DIE SET											L740
786		DIE SET							U786	U786	U786	U786	
788		DIE SET							U788	U788	U788	U788	
789		DIE SET											L789
936 ⑤		DIE SET	YELLOW		1 CRIMP				U39ART2	U39ART2	U39ART2	U39ART2	L39ART2
997		DIE SET	ORANGE						U997	U997	U997	U997	
998		DIE SET								PU998	S998	P998	
999		DIE SET									S999	P999	
1011		DIE SET								U1011	S1011	P1011	
1012		DIE SET									S1012		
1013		NEST		MY2911					UV8L	UV8L	UV8L	UV8L	
		INDENTOR							Y34PL	Y34PL	Y34PL	Y34PL	
1014		NEST		MY2911					U6CD1	U6CD1	U6CD1	U6CD1	
		INDENTOR							Y34PR	Y34PR	Y34PR	Y34PR	
1015		NEST		MY2911					U4CD1	U4CD1	U4CD1	U4CD1	
		INDENTOR							Y34PR	Y34PR	Y34PR	Y34PR	
1016		NEST		MY2911					U3CD1	U3CD1	U3CD1	U3CD1	
		INDENTOR							Y34PR	Y34PR	Y34PR	Y34PR	

See Footnotes preceeding the table.

PRESENT INSTALLATION TOOL INDEX

DIE		DIE INFORMATION		DIELESS TOOLS		INSTALLATION TOOLING USING DIES								
GROOVE						MR, MY	444S/644 Series	MD/PATMD Series	OUR840	Y29BH	35 ① Series	750 ① Series	Y45 ②	46 ③ Series
BURNDY	EEl	TYPE	COLOR											
1017		NEST		MY2911					U2CD1	U2CD1	U2CD1	U2CD1		
		INDENTOR											Y34PR	Y34PR
1018		NEST		MY2911					U1CD1	U1CD1	U1CD1	U1CD1		
		INDENTOR											Y34PR	Y34PR
1019		NEST		MY2911					U25D1	U25D1	U25D1	U25D1		
		INDENTOR											Y34PR2	Y34PR2
1020		NEST		MY2911					U26D1	U26D1	U26D1	U26D1		
		INDENTOR											Y34PR2	Y34PR2
1021		NEST		MY2911					U27D1	U27D1	U27D1	U27D1		
		INDENTOR											Y34PR2	Y34PR2
1022		NEST		MY2911					U28D1	U28D1	U28D1	U28D1		
		INDENTOR											Y34PR2	Y34PR2
1023		NEST		MY2911					U29D1	U29D1	U29D1	U29D1		
		INDENTOR											Y34PR2	Y34PR2
1024		NEST							U30D1	U30D1	U30D1	U30D1		
		INDENTOR											Y34PR2	Y34PR2
1025		NEST							U31D1	U31D1	U31D1	U31D1		
		INDENTOR											Y34PR2	Y34PR2
1026		NEST							U32D1	U32D1	U32D1	U32D1		
		INDENTOR											Y34PR2	Y34PR2
1027		NEST							U34D1	U34D1	U34D1	U34D1		
		INDENTOR											Y34PR2	Y34PR2
1028		NEST											P36D	
		INDENTOR												
1029		NEST											P38D	
		INDENTOR												
1030		NEST											P39D	
		INDENTOR												
1031		NEST											P40D	
		INDENTOR												
1032		NEST											P44D	
		INDENTOR												
1102		DIE SET	WHITE										P1102	
1103		DIE SET	BLUE											P1103
1104		DIE SET	BROWN							U1104				P1104
1105		DIE SET								U1105				P1105
2000		NEST							U27B	U27B	U27B			
		INDENTOR											Y34PR15	Y34PR15

See Footnotes preceding the table.

COLOR CODING FOR OVERHEAD CONNECTORS

Color Code	Wire Dia. per Strand			
	Str.	Compact	Sol.	ACSR
Brown	10		8	
Green	8		6	
Blue	5, 6		4	6
Orange	3, 4	#2	2	4
Red	1-19, 2	1/0	1	2
Yellow	1/0	2/0		1/0, 1
Gray	2/0	3/0		2/0
Black	3/0	4/0		3/0
Pink	4/0	266, 300		4/0
Red	250			
White	266			
Blue	300	350		266.8 (26/7, 18/1)
Brown	336			
Green	350, 397, 400			336.4 (26/7, 18/1)
Gray	450			
Pink	500			477 (18/1)
Green	556			
Purple	600			
Yellow				556.5 (24/7, 26/7)
Blue	650			
Red	700			
Yellow	750			
Orange	800			
White	900			
Brown	1000			

NOTE: This chart is only intended as a guide. For specific applications, refer to the catalog page of the connector.

COLOR CODING FOR AL/CU CONNECTORS

Color Code	Str.	Color Code	Str.
Blue	8	Blue	300
Gray	6	Brown	350
Green	4	Green	400
Pink	2	Pink	500
Gold	1	Black	600
Tan	1/0	Yellow	700/750
Olive	2/0	Red	700/750
Ruby	3/0	Brown	1000
White	4/0	Blue	1500
Red	250	Red	2000

NOTE: This chart is only intended as a guide. For specific applications, refer to the catalog page of the connector.

COLOR CODING FOR COPPER LUGS AND SPLICES

Color Code	Code Size		Flex Cable
	Str.	Sol.	
Red	8	6	8
Blue	6		6
Blue	5		
Gray	4		4
White	3	2	
Brown	2		2
Green	1		1
Pink	1/0		1/0
Black	2/0		2/0
Orange	3/0		3/0
Purple	4/0		4/0
Yellow	250		4/0 and 250
White	300		250
Red	350		313.1
Blue	400		373.7
Brown	500		444.4
Green	600		
Pink	700		535.3
Purple			600
Black	750		646
Yellow			777.7
Orange	800		
White	1000		
Yellow			1111
Green	1500		
Brown	2000		

NOTE: This chart is only intended as a guide. For specific applications, refer to the catalog page of the connector.

BURNDY® REGISTERED AND TRADE NAMES

Registered Name	Registered/Trade Name	Catalog Section	Registered/Trade Name	Catalog Section
4-POINT®	4-POINT™	N	MOLE™	A, K
BONDIT®	ALFLUID™	N	MOLIMITER™	K
BURNDY®	BARTAP™	A, E, L	OKLIP™	A, H
BURNDYWeld®	BONDIT®	E	PATRIOT®	N
The CONSTRICTOR®	BURNDYWeld®	E	PENETROX™	F
ENFORCER®	CABELOK™	H	POLYTAP™	A
GRIDMAX®	CLIPIT™	H	POPPER™	N
HYGROUND®	CRIMPIT™	C, E, H	POSI-PRESS™	N
IMPLO®	The CONSTRICTOR®	E	POWERLUG™	J
INFINITY DRIVE®	DURIUM™	F	QIKLINK™	A
IN-LINE®	ENFORCER®	N	QIKLITE®	E
PATRIOT®	FASTAP™	H	QIKLUG™	A, E
SERVIT®	FINGRIP™	B	QIKTAP™	B
WEEB®	FLEXITAP™	A	SCRULUG™	A
There is Only One IMPLO®	GRIDLOK™	E	SERVIT POST™	E
	GRIDMAX®	E	SERVIT®	A, H
Connecting Power to Your World®	GROUNDLINK™	E	STIRRUP™	H, J
	GROUNDMAX™	E	STUDBUG™	E
	HYCRAB™	K	SUPER-CLAMP™	E
	HYCRIMP™	H	TAPIT™	H
	HYDENT™	B, C	TRITAP™	A
	HYFLUID™	N	U-BLOK™	A
	HYGRID™	E	UNIGROUND™	E
	HYGROUND®	E	UNIRAP™	G
	HYLINK™	B, C, E	UNISPLICE™	H
	HYLUG™	B, C, E, H	UNITAP™	A
	HYPLUG™	C, H	VARILUG™	L
	HYPRESS™	N	VARITAP™	A
	HYREDUCER™	B, C	VERSILUG™	A
	HYSEALPLUG™	H	VERSIPOLE™	A
	HYSEALUG™	H	VERSITAIL™	E
	HYSPLICE™	C, H	VERSITAP™	A, H
	Hystack™	C	VINYLUG™	B
	HYTAIL™	E	VISEIT™	H
	HYTAP™	C, E	VISI-SHRINK™	D
	HYTEE™	H	WEEB®	E
	HYTOOL™	N	WEJTAP™	J
	INFINITY DRIVE®	N	WIREMIKE™	N
	IN-LINE®	N		
	INSULUG™	B		
	KA-LUG™	A		
	KOMPRESSOR™	N		
	L'IL CRIMP™	N		
	LINEMAN ASSIST™	H		
	LOKTAP™	H		

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

15	E-105	1PLD2504	A-54	31SWBOX	F-7
25	E-105	1PLD2506	A-54	31X100HEBBOX	F-6
32	E-105	1PLD3502	A-54	31X125HEBBOX	F-6
45	E-105	1PLD3503	A-54	31X150HEBBOX	F-6
65	E-105	1PLD3504	A-54	31X175HEBBOX	F-6
90	E-105	1PLD3506	A-54	31X200HEBBOX	F-6
115	E-105	1PLD3508	A-54	31X250HEBBOX	F-6
150	E-105	1PLD43	A-54	31X300HEBBOX	F-6
200	E-105	1PLD44	A-54	31X50HEBBOX	F-6
250	E-105	1PLD6002	A-54	31X62HEBBOX	F-6
500	E-105	1PLD6003	A-54	31X75HEBBOX	F-6
433206016010	N-27	1PLD6004	A-54	32Q	E-104
07CD60	N-57	1PLD6005	A-54	34AH60	N-62
08CD60	N-57	1PLD6006	A-54	36AH60	N-62
09CD60	N-57	1PLD6008	A-54	38AH60	N-62
100X200HGSBBOX	F-9	1PLD75010HD	A-54	38FWBOX	F-7
10CD60	N-57, N-58	1PLD75012HD	A-54	38FWSSBOX	F-10
10SH60	N-61, N-62	1PLD7502HD	A-54	38HGSN009BOX	F-9
115Q	E-104	1PLD7503HD	A-54	38HGSNBOX	F-9
11CD60	N-58	1PLD7504HD	A-54	38HSSNBOX	F-10
12CD60	N-58, N-59	1PLD7505HD	A-54	38NWBOX	F-7
12SH60	N-61, N-62	1PLD7506HD	A-54	38NWGSBOX	F-9
13CD60	N-59	1PLD7508HD	A-54	38SWBOX	F-7
145PTAG	G-32	1PLO2/02	A-53	38SWSSMDBOX	F-10
14CD60	N-59	1PLO2502	A-53	38X100HEBBOX	F-6
14SH60	N-61, N-62	1PLO3502	A-53	38X125HEBBOX	F-6
150Q	E-104	1PLO42	A-53	38X125HGSBBOX	F-9
15CD60	N-59	1PLO6002	A-53	38X125HSSBBOX	F-10
15Q	E-104	200Q	E-104	38X150HEBBOX	F-6
16CD60	N-60	20AH60	N-61	38X175HEBBOX	F-6
16SH60	N-62	24AH60	N-61	38X200HEBBOX	F-6
17CD60	N-60	250Q	E-104	38X225HEBBOX	F-6
1PBS1/0	A-53	25FWBOX	F-7	38X225HGSBBOX	F-9
1PBS2	A-53	25FWSBOX	F-10	38X225HSSBBOX	F-10
1PBS250	A-53	25HSSNBOX	F-10	38X250HEBBOX	F-6
1PBS350	A-53	25NWBOX	F-7	38X250HSSBBOX	F-10
1PBS500	A-53	25Q	E-104	38X275HEBBOX	F-6
1PBS750HD	A-53	25SWBOX	F-7	38X275HGSBBOX	F-9
1PL2/02	A-53	25SWSSLTBOX	F-10	38X275HSSBBOX	F-10
1PL2/03	A-53	25X100HEBBOX	F-6	38X300HEBBOX	F-6
1PL2502	A-53	25X125HEBBOX	F-6	38X325HEBBOX	F-6
1PL2503	A-53	25X150HEBBOX	F-6	38X350HEBBOX	F-6
1PL3502	A-53	25X200HEBBOX	F-6	38X400HEBBOX	F-6
1PL42	A-53	25X250HEBBOX	F-6	38X450HEBBOX	F-6
1PL43	A-53	25X300HEBBOX	F-6	38X500HEBBOX	F-6
1PL44	A-53	25X50HEBBOX	F-6	38X50HEBBOX	F-6
1PL6002	A-53	25X62HEBBOX	F-6	38X62HEBBOX	F-6
1PLD2/02	A-54	25X75HEBBOX	F-6	38X75BWSSBOX	F-11
1PLD2/03	A-54	27AH60	N-61	38X75HEBBOX	F-6
1PLD2/04	A-54	30AH60	N-61, N-62	38X81FWGSBOX	F-9
1PLD2/06	A-54	31CHGSNBOX	F-9	38X88HEBBOX	F-6
1PLD2502	A-54	31FWBOX	F-7	3S	A-62
1PLD2503	A-54	31NWBOX	F-7	3U	A-62

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

40AH60.....	N-62	50X425HABBOX.....	F-8	75FWBOX.....	F-7
44FWBOX.....	F-7	50X450HABBOX.....	F-8	75HGSNBOX.....	F-9
44NWBOX.....	F-7	50X450HEBBOX.....	F-6	75HSSNBOX.....	F-10
44SWBOX.....	F-7	50X500HABBOX.....	F-8	75NWBOX.....	F-7
44X150HEBBOX.....	F-6	50X500HEBBOX.....	F-6	75NWGSBOX.....	F-9
44X200HEBBOX.....	F-6	50X550HABBOX.....	F-8	75SH60.....	N-61
45Q.....	E-104	50X550HEBBOX.....	F-6	75SWBOX.....	F-7
4S.....	A-62	50X600HEBBOX.....	F-6	75X125HGSSBBOX.....	F-9
4U.....	A-62	50X75HEBBOX.....	F-6	75X200HGSSBBOX.....	F-9
500Q.....	E-104	62FWABOX.....	F-8	75X300HSSBBOX.....	F-10
50FWABOX.....	F-8	62FWBOX.....	F-7	75X500HGSSBBOX.....	F-9
50FWBOX.....	F-7	62FWSSBOX.....	F-10	75X600HGSSBBOX.....	F-9
50FWSSBOX.....	F-10	62HANBOX.....	F-8	76AH60.....	N-61
50HANBOX.....	F-8	62HGSNBOX.....	F-9	90Q.....	E-104
50HGSNBOX.....	F-9	62HSSNBOX.....	F-10	ACC.....	E-137, G-30
50HSSNBOX.....	F-10	62NWBOX.....	F-7	ACC-ECTA1211.....	E-140
50NWBOX.....	F-7	62NWGSBOX.....	F-9	ACC-ECTA1214.....	E-140
50NWGSBOX.....	F-9	62SWALBOX.....	F-8	ACC-ECTA128.....	E-140
50SWALBOX.....	F-8	62SWBOX.....	F-7	ACC-ECTA611.....	E-140
50SWBOX.....	F-7	62SWSSMDBOX.....	F-10	ACC-ECTA614.....	E-140
50SWSSMDBOX.....	F-10	62X100HEBBOX.....	F-6	ACC-ECTA68.....	E-140
50X100HEBBOX.....	F-6	62X100HGSSBBOX.....	F-9	ACC-ECTB1211.....	E-140
50X100HGSSBBOX.....	F-9	62X125HEBBOX.....	F-6	ACC-ECTB1214.....	E-140
50X106BWSSBOX.....	F-11	62X131FWGSBOX.....	F-9	ACC-ECTB128.....	E-140
50X106FWGSBOX.....	F-9	62X150HEBBOX.....	F-6	ACC-ECTB611.....	E-140
50X125HEBBOX.....	F-6	62X175HABBOX.....	F-8	ACC-ECTB614.....	E-140
50X150HABBOX.....	F-8	62X175HEBBOX.....	F-6	ACC-ECTB68.....	E-140
50X150HEBBOX.....	F-6	62X175HGSSBBOX.....	F-9	ACC-F1-270.....	E-138, G-31
50X150HGSSBBOX.....	F-9	62X200HABBOX.....	F-8	ACC-F2-90.....	E-138, G-31
50X175HABBOX.....	F-8	62X200HEBBOX.....	F-6	ACC-F490.....	E-138, G-31
50X175HEBBOX.....	F-6	62X225HABBOX.....	F-8	ACC-F4-90-1.....	E-138, G-31
50X200HABBOX.....	F-8	62X225HEBBOX.....	F-6	ACC-F4F.....	E-138, G-31
50X200HEBBOX.....	F-6	62X250HABBOX.....	F-8	ACC-F90-1.....	E-138, G-31
50X200HGSSBBOX.....	F-9	62X250HEBBOX.....	F-6	ACC-FBC.....	E-139, G-28
50X200HSSBBOX.....	F-10	62X275HEBBOX.....	F-6	ACC-FLD.....	E-137, G-30
50X225HABBOX.....	F-8	62X300HABBOX.....	F-8	ACC-FPV.....	E-137, G-30
50X225HEBBOX.....	F-6	62X300HEBBOX.....	F-6	ACC-FPV180.....	E-138, G-31
50X250HABBOX.....	F-8	62X300HSSBBOX.....	F-10	ACC-FPV90.....	E-138, G-31
50X250HEBBOX.....	F-6	62X325HEBBOX.....	F-6	ACC-PV.....	E-137, G-30
50X250HSSBBOX.....	F-10	62X350HABBOX.....	F-8	ACC-R2.....	E-138, G-31
50X275HABBOX.....	F-8	62X350HEBBOX.....	F-6	ACC-R4.....	E-138, G-31
50X275HEBBOX.....	F-6	62X400HABBOX.....	F-8	ACC-RBC15.....	E-138, G-31
50X300HABBOX.....	F-8	62X400HEBBOX.....	F-6	ACE-1P.....	E-156
50X300HEBBOX.....	F-6	62X450HABBOX.....	F-8	ACE-2C.....	E-156
50X300HSSBBOX.....	F-10	62X450HEBBOX.....	F-6	ACE-2P.....	E-156
50X325HABBOX.....	F-8	62X500HABBOX.....	F-8	ACE-3C.....	E-156
50X325HEBBOX.....	F-6	62X500HEBBOX.....	F-6	ACE-3C-1GND.....	E-156
50X350HABBOX.....	F-8	62X550HABBOX.....	F-8	ACE-3C-DF.....	E-156
50X350HEBBOX.....	F-6	62X600HABBOX.....	F-8	ACE-3P.....	E-156
50X375HABBOX.....	F-8	62X600HEBBOX.....	F-6	ACE-4C.....	E-156
50X375HEBBOX.....	F-6	65Q.....	E-104	ACE-4P.....	E-156
50X400HABBOX.....	F-8	74SH60.....	N-61	ACE-PT.....	E-156
50X400HEBBOX.....	F-6	75AH60.....	N-61	ACE-PTD.....	E-156

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

AFLUIDQT.....	N-98	B-1225-H.....	E-120	B-1321.....	E-111
AGSKIT2.....	A-32	B-1226-H.....	E-120	B-1322.....	E-111
AGSKIT250.....	A-32	B-1228-H.....	E-120	B-1323.....	E-111
ALFLUIDGAL.....	N-98	B-1270.....	E-110	B-1324.....	E-111
AMS0.....	A-30	B-1271.....	E-110	B-1325.....	E-111
AMS1000.....	A-30	B-1272.....	E-110	B-1326.....	E-111
AMS2.....	A-30	B-1273.....	E-110	B-1327.....	E-111
AMS250.....	A-30	B-1274.....	E-110	B-1328.....	E-111
AMS350.....	A-30	B-1275.....	E-110	B-1329.....	E-111
AMS4/0.....	A-30	B-1276.....	E-110	B-1330.....	E-111
AMS500.....	A-30	B-1277.....	E-110	B-1331.....	E-111
AMS750.....	A-30	B-1278.....	E-110	B-1332.....	E-111
ASA1000U.....	C-134	B-1279.....	E-110	B-1333.....	E-111
ASA250U.....	C-134	B-1280.....	E-110	B-1334.....	E-111
ASA800U.....	C-134	B-1281.....	E-110	B-1335.....	E-111
AYP1.....	C-199	B-1282.....	E-110	B-1336.....	E-111
AYP1/0.....	C-199	B-1283.....	E-110	B-1581.....	E-114
AYP2.....	C-199	B-1284.....	E-110	B-1582.....	E-114
AYP250.....	C-199	B-1285.....	E-110	B-1583.....	E-114
AYP350.....	C-199	B-1286.....	E-110	B-1584.....	E-114
AYP4.....	C-199	B-1287.....	E-110	B-1586.....	E-114
AYP500.....	C-199	B-1288.....	E-110	B-1587.....	E-114
AYP6.....	C-199	B-1289.....	E-110	B-1588.....	E-114
AYP750.....	C-199	B-1290.....	E-110	B-1589.....	E-114
AYP900.....	C-199	B-1291.....	E-110	B-1593.....	E-114
AYPO1000.....	C-199	B-1292.....	E-110	B-1594.....	E-114
AYPO2/0.....	C-199	B-1293.....	E-110	B-1595.....	E-114
AYPO250.....	C-199	B-1294.....	E-110	B-1596.....	E-114
AYPO3/0.....	C-199	B-1295.....	E-110	B-1597.....	E-114
AYPO300.....	C-199	B-1296.....	E-110	B-1601.....	E-114
AYPO350.....	C-199	B-1297.....	E-110	B-1602.....	E-114
AYPO4/0.....	C-199	B-1298.....	E-110	B-1603.....	E-114
AYPO400.....	C-199	B-1299.....	E-110	B-1604.....	E-114
AYPO500.....	C-199	B-1300.....	E-110	B-1605.....	E-114
AYPO600.....	C-199	B-1301.....	E-110	B-1606.....	E-114
AYPO750.....	C-199	B-1302.....	E-110	B-1610.....	E-114
AYPO900.....	C-199	B-1303.....	E-110	B-1611.....	E-114
B-106.....	E-130	B-1304.....	E-110	B-1613.....	E-122
B106-32.....	E-131	B-1305.....	E-110	B-1614.....	E-122
B106-37.....	E-131	B-1306.....	E-110	B-1615.....	E-122
B-107.....	E-130	B-1307.....	E-110	B-1616.....	E-122
B107-32.....	E-131	B-1308.....	E-110	B-1617.....	E-122
B-1208.....	E-111	B-1309.....	E-110	B-1618.....	E-122
B-1212.....	E-116	B-1310.....	E-110	B-1619.....	E-122
B-1215.....	E-120	B-1311.....	E-111	B-1620.....	E-122
B-1216.....	E-120	B-1313.....	E-111	B-1626.....	E-121
B-1218.....	E-120	B-1314.....	E-111	B-1627.....	E-121
B-1219.....	E-120	B-1315.....	E-111	B-1628.....	E-121
B-1220.....	E-120	B-1316.....	E-111	B-1629.....	E-121
B-1221.....	E-120	B-1317.....	E-111	B-1630.....	E-121
B-1222.....	E-120	B-1318.....	E-111	B-1631.....	E-121
B-1223.....	E-120	B-1319.....	E-111	B-1632.....	E-121
B-1224.....	E-120	B-1320.....	E-111	B-1633.....	E-121

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-1634	E-121	B22F364N	E-81	B24G244N	E-81
B-1635	E-121	B22G184N	E-81	B24G364N	E-81
B-1636	E-121	B22G244N	E-81	B-250	E-107
B-1637	E-121	B22G364N	E-81	B-2506	E-117
B-1638	E-121	B-230	E-107	B-2507	E-117
B-1639	E-121	B-231	E-107	B-2509	E-117
B-1640	E-121	B-232	E-107	B-251	E-107
B-1641	E-121	B-2320	E-116	B-2510	E-116
B-1642	E-121	B-234	E-107	B-2511	E-117
B1643	E-121	B-235	E-107	B-252	E-107
B-1644	E-121	B-236	E-107	B-253	E-107
B-1645	E-121	B-237	E-107	B-254	E-107
B-1646	E-121	B-238	E-107	B-2540	E-120
B-1648	E-121	B-239	E-107	B-2542	E-117
B-1649	E-121	B23F184N	E-81	B-255	E-107
B-1650	E-121	B23F244N	E-81	B-2558	E-116
B-205	E-106	B23F364N	E-81	B-256	E-107
B-206	E-106	B23G184N	E-81	B-2566	E-115
B-207	E-106	B23G244N	E-81	B-2567	E-122
B-208	E-106	B23G364N	E-81	B-2568	E-122
B-2084	E-116	B-240	E-107	B-257	E-107
B-209	E-106	B-241	E-107	B-258	E-107
B-210	E-106	B-242	E-107	B-2583	E-119
B-211	E-106	B-243	E-107	B-2583-S	E-119
B-213	E-106	B-244	E-107	B-259	E-107
B-214	E-106	B-245	E-107	B-260	E-107
B-215	E-106	B-2450	E-116	B-261	E-107
B-2154	E-114	B-246	E-107	B-262	E-107
B-2155	E-114	B-247	E-107	B-263	E-107
B-2156	E-114	B-2476	E-119	B-264	E-107
B-2157	E-114	B-2477	E-119	B-265	E-107
B-2158	E-114	B-2478	E-119	B-266	E-107
B-2159	E-114	B-248	E-107	B-267	E-107
B-2160	E-114	B-2480	E-119	B-268	E-107
B-2161	E-114	B-2480-S	E-119	B-2687	E-109
B-2162	E-114	B-2482	E-119	B-2689	E-109
B-2163	E-114	B-2483	E-119	B-269	E-107
B-2164	E-114	B-2484	E-119	B-2690	E-109
B-2165	E-114	B-2486	E-119	B-2691	E-109
B-2189	E-120	B-2487	E-119	B-2692	E-109
B-2199	E-117	B-2488	E-119	B-2693	E-109
B-2200	E-117	B-249	E-107	B-2694	E-109
B-221	E-107	B-2490	E-119	B-2695	E-109
B-223	E-107	B-2491	E-119	B-2696	E-109
B-2235	E-116	B-2493	E-119	B-2697	E-109
B-224	E-107	B-2494	E-119	B-2698	E-109
B-225	E-107	B-2495	E-119	B-2699	E-109
B-226	E-107	B-2497	E-119	B-270	E-107
B-227	E-107	B-2498	E-119	B-2700	E-109
B-228	E-107	B24F184N	E-81	B-2701	E-109
B-229	E-107	B24F244N	E-81	B-2702	E-109
B22F184N	E-81	B24F364N	E-81	B-2703	E-109
B22F244N	E-81	B24G184N	E-81	B-2704	E-109

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-2705.....	E-109	B32G244N.....	E-82	B3G12N.....	E-76
B-2706.....	E-109	B32G364N.....	E-82	B40-0106-27.....	E-131
B-2707.....	E-109	B-333.....	E-107	B40-0106-41.....	E-131
B-2708.....	E-109	B33F184N.....	E-82	B40-0106-75.....	E-130
B-2709.....	E-109	B33F244N.....	E-82	B40-0106-76.....	E-131
B-2710.....	E-109	B33F364N.....	E-82	B40-0106-77.....	E-131
B-2711.....	E-109	B33G184N.....	E-82	B40-0106-78.....	E-131
B-2712.....	E-109	B33G244N.....	E-82	B40-0319-01.....	E-132
B-2713.....	E-109	B33G364N.....	E-82	B40-0319-03.....	E-132
B-2714.....	E-109	B370320-01.....	E-105	B40-3657-00.....	E-130
B-2715.....	E-109	B370320-02.....	E-105	B40-4431-00.....	E-131
B-2716.....	E-109	B370320-03.....	E-105	B40-4431-01.....	E-131
B-2717.....	E-109	B38-0101-00.....	E-133	B-423.....	E-108
B-2718.....	E-109	B38-0101-01.....	E-133	B-424.....	E-108
B-2719.....	E-109	B38-0135-01.....	E-132	B-425.....	E-108
B-2747.....	E-109	B38-0302-00.....	E-133	B-426.....	E-108
B-2751.....	E-109	B38-0302-02.....	E-133	B-427.....	E-108
B-2752.....	E-109	B38-0303-00.....	E-133	B-428.....	E-108
B-2753.....	E-109	B38-0304-00.....	E-133	B-429.....	E-108
B-2754.....	E-109	B38-0305-00.....	E-132, E-133	B-430.....	E-108
B-2755.....	E-109	B38-0306-00.....	E-132, E-133	B-431.....	E-108
B-2756.....	E-109	B38-0307-00.....	E-133	B-432.....	E-108
B-2757.....	E-109	B38-0308-00.....	E-133	B-433.....	E-108
B-2761.....	E-122	B38-0309-00.....	E-133	B-434.....	E-108
B-2781.....	E-120	B38-0309-01.....	E-133	B-435.....	E-108
B-280.....	E-107	B38-0330-00.....	E-132	B-436.....	E-108
B-282.....	E-107	B38-3662-01.....	E-134	B-437.....	E-108
B-283.....	E-107	B38-3662-02.....	E-134	B-438.....	E-108
B-284.....	E-107	B38-3662-03.....	E-134	B-439.....	E-108
B-285.....	E-107	B38-3662-04.....	E-134	B-440.....	E-108
B-286.....	E-107	B38-3662-05.....	E-134	B-441.....	E-108
B-287.....	E-107	B38-3662-06.....	E-134	B-442.....	E-108
B-288.....	E-107	B38-3922-00.....	E-132, E-133	B-443.....	E-108
B-289.....	E-107	B38412900.....	E-132	B-444.....	E-108
B-290.....	E-107	B38412905.....	E-132	B-445.....	E-108
B-291.....	E-107	B38-6330-00.....	E-97	B-446.....	E-108
B-293.....	E-107	B38-6330-01.....	E-97	B-447.....	E-108
B-294.....	E-107	B38-6331-00.....	E-97	B-448.....	E-108
B-295.....	E-107	B38-6333-00.....	E-97	B-449.....	E-108
B-296.....	E-107	B38-6334-00.....	E-97	B-450.....	E-108
B-297.....	E-107	B38-6334-01.....	E-97	B-451.....	E-108
B-298.....	E-107	B38-6335-00.....	E-97	B-452.....	E-108
B2D12.....	E-76	B38-7228-00.....	E-97	B-453.....	E-108
B2D12N.....	E-76	B38-7230-00.....	E-97	B-454.....	E-108
B2E12.....	E-76	B38-7725-00.....	E-97	B-455.....	E-108
B2E12N.....	E-76	B38-7725-01.....	E-97	B-456.....	E-108
B2F12.....	E-76	B3D12.....	E-76	B-457.....	E-108
B2F12N.....	E-76	B3D12N.....	E-76	B-458.....	E-108
B2G12N.....	E-76	B3E12.....	E-76	B-459.....	E-108
B32F184N.....	E-82	B3E12N.....	E-76	B-460.....	E-108
B32F244N.....	E-82	B3F12.....	E-76	B-461.....	E-108
B32F364N.....	E-82	B3F12N.....	E-76	B-462.....	E-108
B32G184N.....	E-82	B3G12.....	E-76	B-463.....	E-108

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-464.....	E-108	B-521.....	E-112	B-548.....	E-113
B-465.....	E-108	B-523.....	E-112	B-549.....	E-113
B-466.....	E-108	B-524.....	E-112	B-550.....	E-113
B-467.....	E-108	B-525.....	E-112	B-551.....	E-113
B-468.....	E-108	B-526.....	E-112	B-5513.....	E-115
B-469.....	E-108	B-527.....	E-112	B-5515.....	E-115
B-470.....	E-108	B-528.....	E-112	B-5517.....	E-116
B-471.....	E-108	B-529.....	E-112	B-552.....	E-113
B-472.....	E-108	B-5294.....	E-115	B-553.....	E-113
B-483.....	E-108	B-530.....	E-112	B-555.....	E-113
B-485.....	E-108	B-531.....	E-112	B-5555.....	E-115
B-486.....	E-108	B-5321.....	E-114	B-5556.....	E-115
B-487.....	E-108	B-533.....	E-112	B-556.....	E-113
B-488.....	E-108	B-5330.....	E-116	B-5560.....	E-116
B-489.....	E-108	B-5331.....	E-118	B-5561.....	E-115
B-490.....	E-108	B-5332.....	E-116	B-557.....	E-113
B-491.....	E-108	B-5333.....	E-116	B-5573.....	E-116
B-492.....	E-108	B-5334.....	E-116	B-5574.....	E-107
B-493.....	E-108	B-5335.....	E-116	B-558.....	E-113
B-495.....	E-112	B-5336.....	E-116	B-559.....	E-113
B-496.....	E-112	B-5337.....	E-116	B-560.....	E-113
B-497.....	E-112	B-5338.....	E-116	B-5604.....	E-116
B-498.....	E-112	B-534.....	E-112	B-561.....	E-113
B-499.....	E-112	B-5340.....	E-111	B-5618.....	E-110
B4D12.....	E-76	B-5341.....	E-116	B-562.....	E-113
B4D12N.....	E-76	B-5342.....	E-111	B-5623.....	E-106
B4E12.....	E-76	B-535.....	E-112	B-5624.....	E-106
B4E12N.....	E-76	B-5351.....	E-116	B-5625.....	E-106
B4F12.....	E-76	B-5352.....	E-116	B-5626.....	E-106
B4F12N.....	E-76	B-5353.....	E-116	B-5627.....	E-111
B4G12N.....	E-76	B-5359.....	E-120	B-5629.....	E-111
B-500.....	E-112	B-5361.....	E-120	B-563.....	E-113
B-501.....	E-112	B-5362.....	E-120	B-5630.....	E-111
B-502.....	E-112	B-5363.....	E-120	B-5631.....	E-111
B-5021.....	E-107	B-537.....	E-113	B-5632.....	E-111
B-503.....	E-112	B-538.....	E-113	B-5634.....	E-111
B-504.....	E-112	B-5380.....	E-115	B-5635.....	E-111
B-505.....	E-112	B-5389.....	E-120	B-5636.....	E-111
B-506.....	E-112	B-539.....	E-113	B-5637.....	E-111
B-5065.....	E-118	B-5390.....	E-115	B-5638.....	E-111
B-507.....	E-112	B-540.....	E-113	B-5639.....	E-111
B-508.....	E-112	B-541.....	E-113	B-564.....	E-113
B-509.....	E-112	B-5416.....	E-115	B-5640.....	E-116
B-510.....	E-112	B-5419.....	E-122	B-5642.....	E-111
B-511.....	E-112	B-542.....	E-113	B-5644.....	E-111
B-513.....	E-112	B-5428.....	E-116	B-5645.....	E-111
B-514.....	E-112	B-543.....	E-113	B-5652.....	E-111
B-515.....	E-112	B-5432.....	E-109	B-5659.....	E-111
B-516.....	E-112	B-544.....	E-113	B-566.....	E-113
B-517.....	E-112	B-545.....	E-113	B-5660.....	E-114
B-518.....	E-112	B-546.....	E-113	B-5667.....	E-116
B-519.....	E-112	B-547.....	E-113	B-5668.....	E-111
B-520.....	E-112	B-5475.....	E-107	B-567.....	E-113

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-5676.....	E-111	B-5940.....	E-115	B-6630.....	E-114
B-5677.....	E-116	B-5943.....	E-111	B-6766.....	E-116
B-5679.....	E-111	B-595.....	E-119	B-6906.....	E-114
B-5680.....	E-111	B-596.....	E-119	B-7075.....	E-117
B-5682.....	E-111	B-5961.....	E-115	B-7146.....	E-117
B-5684.....	E-111	B-5963.....	E-115	B-7192.....	E-118
B-5686.....	E-111	B-5972.....	E-115	B-7500.....	E-123
B-5688.....	E-111	B-598.....	E-119	B-7501.....	E-123
B-569.....	E-113	B-599.....	E-119	B-7502.....	E-123
B-5698.....	E-115	B-5992.....	E-115	B-7503.....	E-123
B-5699.....	E-115	B-600.....	E-119	B-7504.....	E-123
B-570.....	E-113	B-6002.....	E-116	B-7505.....	E-123
B-5702.....	E-116	B-6003.....	E-115	B-7506.....	E-123
B-5709.....	E-110	B-602.....	E-118	B-7507.....	E-123
B-571.....	E-113	B-6025.....	E-115	B-7508.....	E-123
B-572.....	E-113	B-603.....	E-118	B-7509.....	E-123
B-5722.....	E-115	B-604.....	E-118	B-7510.....	E-123
B-573.....	E-113	B-6046.....	E-111	B-7511.....	E-123
B-5732.....	E-115	B-6048.....	E-115	B-7512.....	E-123
B-5734.....	E-115	B-605.....	E-118	B-7513.....	E-123
B-5738.....	E-115	B-6051.....	E-116	B-7514.....	E-123
B-574.....	E-113	B-6060.....	E-122	B-7515.....	E-123
B-5746.....	E-115	B-6061.....	E-122	B-7520.....	E-123
B-575.....	E-113	B-6067.....	E-122	B-7521.....	E-123
B-5767.....	E-116	B-6072.....	E-122	B-7522.....	E-123
B-577.....	E-113	B-6114.....	E-117	B-7523.....	E-123
B-5777.....	E-115	B-616.....	E-118	B-7528.....	E-123
B-578.....	E-113	B-6165.....	E-115	B-7529.....	E-123
B-5781.....	E-112	B-617.....	E-118	B-7530.....	E-123
B-579.....	E-113	B-618.....	E-118	B-7531.....	E-123
B-5803.....	E-115	B-619.....	E-118	B-7588.....	E-124
B-5807.....	E-115	B-620.....	E-118	B-7589.....	E-124
B-5820.....	E-115	B-6208.....	E-116	B-7590.....	E-124
B-5821.....	E-115	B-621.....	E-118	B-7591.....	E-124
B-5830.....	E-115	B-622.....	E-118	B-7592.....	E-124
B-5833.....	E-115	B-624.....	E-118	B-7593.....	E-124
B-585.....	E-119	B-625-H.....	E-118	B-7594.....	E-124
B-5850.....	E-115	B-626-H.....	E-118	B-7595.....	E-124
B-5857.....	E-115	B-628.....	E-117	B-7596.....	E-124
B-586.....	E-119	B-629.....	E-117	B-7597.....	E-124
B-587.....	E-119	B-630.....	E-117	B-7598.....	E-124
B-5877.....	E-115	B-631.....	E-117	B-7599.....	E-124
B-588.....	E-119	B-644.....	E-117	B-7600.....	E-124
B-588-S.....	E-119	B-645.....	E-117	B-7601.....	E-124
B-589.....	E-119	B-646.....	E-117	B-7602.....	E-124
B-590.....	E-119	B-647.....	E-117	B-7603.....	E-124
B-5904.....	E-115	B-648.....	E-117	B-7604.....	E-124
B-591.....	E-119	B-649.....	E-117	B-7605.....	E-124
B-5910.....	E-122	B-650.....	E-117	B-7606.....	E-124
B-592.....	E-119	B-652.....	E-117	B-7607.....	E-124
B-593.....	E-119	B-653.....	E-117	B-7608.....	E-124
B-5935.....	E-115	B-654.....	E-117	B-7609.....	E-124
B-594.....	E-119	B-6552.....	E-111	B-7610.....	E-124

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-7611.....	E-124	B-7712.....	E-126	B-7909.....	E-127
B-7612.....	E-124	B-7713.....	E-126	B-7910.....	E-127
B-7613.....	E-124	B-7714.....	E-126	B-7911.....	E-127
B-7614.....	E-124	B-7715.....	E-126	B-7912.....	E-127
B-7615.....	E-124	B-7716.....	E-126	B-7913.....	E-127
B-7616.....	E-124	B-7717.....	E-126	B-7914.....	E-127
B-7617.....	E-124	B-7718.....	E-126	B-7915.....	E-127
B-7618.....	E-124	B-7719.....	E-126	B-7916.....	E-127
B-7619.....	E-124	B-7720.....	E-126	B-7917.....	E-127
B-7620.....	E-125	B-7721.....	E-126	B-7918.....	E-127
B-7621.....	E-125	B-7722.....	E-126	B-7919.....	E-127
B-7622.....	E-125	B-7723.....	E-126	B-7920.....	E-127
B-7623.....	E-125	B-7724.....	E-126	B-7921.....	E-127
B-7624.....	E-125	B-7725.....	E-126	B-7922.....	E-127
B-7625.....	E-125	B-7726.....	E-126	B-7923.....	E-127
B-7626.....	E-125	B-7727.....	E-126	B-8011.....	E-116
B-7627.....	E-125	B-7728.....	E-126	B-8027.....	E-116
B-7628.....	E-125	B-7729.....	E-126	B-8165.....	E-120
B-7629.....	E-125	B-7730.....	E-126	B-8214.....	E-116
B-7630.....	E-125	B-7731.....	E-126	B-8294.....	E-116
B-7631.....	E-125	B-7732.....	E-126	B-8359.....	E-122
B-7632.....	E-125	B-7733.....	E-126	B-8379.....	E-118
B-7633.....	E-125	B-7734.....	E-126	B-8381.....	E-118
B-7634.....	E-125	B-7735.....	E-126	B-8402.....	E-112
B-7635.....	E-125	B-7736.....	E-126	B-8403.....	E-112
B-7636.....	E-125	B-7737.....	E-126	B-8410.....	E-118
B-7637.....	E-125	B-7738.....	E-126	B-8413.....	E-118
B-7638.....	E-125	B-7739.....	E-126	B-8414.....	E-112
B-7639.....	E-125	B-7884.....	E-127	B-8415.....	E-112
B-7640.....	E-125	B-7885.....	E-127	B-8422.....	E-112
B-7641.....	E-125	B-7886.....	E-127	B-8423.....	E-118
B-7642.....	E-125	B-7887.....	E-127	B-8426.....	E-112
B-7643.....	E-125	B-7888.....	E-127	B-8428.....	E-116
B-7644.....	E-125	B-7889.....	E-127	B-8434.....	E-113
B-7645.....	E-125	B-7890.....	E-127	B-8435.....	E-113
B-7646.....	E-125	B-7891.....	E-127	B-8441.....	E-113
B-7647.....	E-125	B-7892.....	E-127	B-8442.....	E-113
B-7648.....	E-125	B-7893.....	E-127	B-8451.....	E-116
B-7649.....	E-125	B-7894.....	E-127	B-8452.....	E-113
B-7650.....	E-125	B-7895.....	E-127	B-8454.....	E-113
B-7651.....	E-125	B-7896.....	E-127	B-8461.....	E-116
B-7652.....	E-125	B-7897.....	E-127	B-8512.....	E-120
B-7653.....	E-125	B-7898.....	E-127	B-8718.....	E-120
B-7654.....	E-125	B-7899.....	E-127	B-8726.....	E-116
B-7655.....	E-125	B-7900.....	E-127	B-8802.....	E-116
B-7656.....	E-125	B-7901.....	E-127	B-8833.....	E-119
B-7657.....	E-125	B-7902.....	E-127	B-8882.....	E-111
B-7658.....	E-125	B-7903.....	E-127	B-9021.....	E-119
B-7659.....	E-125	B-7904.....	E-127	B-9029.....	E-120
B-7708.....	E-126	B-7905.....	E-127	B90PB1424NH.....	E-99
B-7709.....	E-126	B-7906.....	E-127	B90PB1424NN.....	E-99
B-7710.....	E-126	B-7907.....	E-127	B90PB1446NH.....	E-99
B-7711.....	E-126	B-7908.....	E-127	B90PB1446NN.....	E-99

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

B-9233.....	E-119	BA14EZ10.....	B-47	BB024L12LT14.....	E-77
B-9233-S.....	E-119	BA14EZ2.....	B-47	BB024L12LT14B.....	E-78
B-9253.....	E-122	BA14EZ6.....	B-47	BB024L18LT14.....	E-77
BA10E10.....	B-8	BA14EZ8.....	B-47	BB024L18LT14B.....	E-78
BA10E10M.....	B-8	BA16E10.....	B-8	BB024L24LT14.....	E-77
BA10E14.....	B-8	BA16E10M.....	B-8	BB024L24LT14B.....	E-78
BA10E14M.....	B-8	BA16E14.....	B-8	BB024L6T14.....	E-74
BA10E38.....	B-8	BA16E14M.....	B-8	BB024L8LT14.....	E-77
BA10E38M.....	B-8	BA16E38.....	B-8	BB024L9T14.....	E-74
BA10E516.....	B-8	BA16E38M.....	B-8	BB024SSL12LT14.....	E-79
BA10E6.....	B-8	BA16E4.....	B-8	BB024SSL12LT38.....	E-79
BA10E6M.....	B-8	BA16E4M.....	B-8	BB024SSL12LT516.....	E-79
BA10E8.....	B-8	BA16E6.....	B-8	BB024SSL6LT14.....	E-79
BA10E8M.....	B-8	BA16E6M.....	B-8	BB024SSL6LT38.....	E-79
BA10EF10.....	B-33	BA16E8.....	B-8	BB024SSL6LT516.....	E-79
BA10EF10M.....	B-33	BA16E8M.....	B-8	BB024SSL9LT14.....	E-79
BA10EF6.....	B-33	BA16EF10.....	B-33	BB024SSL9LT38.....	E-79
BA10EF6M.....	B-33	BA16EF10M.....	B-33	BB024SSL9LT516.....	E-79
BA10EF8.....	B-33	BA16EF2.....	B-33	BB036L12T14.....	E-74
BA10EF8M.....	B-33	BA16EF2M.....	B-33	BB036L18T14.....	E-74
BA10EL10.....	B-38	BA16EF6.....	B-33	BB036L9T14.....	E-74
BA10EL10M.....	B-38	BA16EF6M.....	B-33	BB048L.....	E-72
BA10EL6.....	B-38	BA16EF8.....	B-33	BB048L12LT12.....	E-77
BA10EL6M.....	B-38	BA16EF8M.....	B-33	BB048L12LT14.....	E-77
BA10EL8.....	B-38	BA16EL10.....	B-38	BB048L12LT38.....	E-77
BA10EL8M.....	B-38	BA16EL10M.....	B-38	BB048L12T38.....	E-83
BA10EZ10.....	B-47	BA16EL6.....	B-38	BB048L18LT12.....	E-77
BA10EZ8.....	B-47	BA16EL6M.....	B-38	BB048L18LT14.....	E-77
BA14E10.....	B-8	BA16EL8.....	B-38	BB048L18LT38.....	E-77
BA14E10M.....	B-8	BA16EL8M.....	B-38	BB048L24LT12.....	E-77
BA14E14.....	B-8	BA16EZ10.....	B-47	BB048L24LT14.....	E-77
BA14E14M.....	B-8	BA16EZ2.....	B-47	BB048L24LT38.....	E-77
BA14E38.....	B-8	BA16EZ6.....	B-47	BB048L6T14.....	E-74
BA14E4.....	B-8	BA16EZ8.....	B-47	BB048L9T14.....	E-74
BA14E4M.....	B-8	BA-200.....	E-134	BB067L.....	E-72
BA14E516.....	B-8	BA-201.....	E-134	BB067L12T38.....	E-83
BA14E516M.....	B-8	BA-202.....	E-134	BB067L6T14.....	E-74
BA14E6.....	B-8	BA-203.....	E-134	BB067L9T14.....	E-74
BA14E6M.....	B-8	BA-204.....	E-134	BB077L.....	E-72
BA14E8.....	B-8	BA-205.....	E-134	BB154L.....	E-72
BA14E8M.....	B-8	BA-207.....	E-134	BB226L.....	E-72
BA14EF10.....	B-33	BA-208.....	E-134	BB300L.....	E-72
BA14EF10M.....	B-33	BA-209.....	E-134	BBB14210A.....	E-88
BA14EF2.....	B-33	BA-211.....	E-134	BBB14224B.....	E-88
BA14EF6.....	B-33	BA-212.....	E-134	BBB14410C.....	E-88
BA14EF8.....	B-33	BA-213.....	E-134	BBB14410D.....	E-88
BA14EF8M.....	B-33	BA-214.....	E-134	BBB14412E.....	E-88
BA14EL10.....	B-38	BA-215.....	E-134	BBB14412F.....	E-88
BA14EL10M.....	B-38	BA-240.....	E-134	BBB14416G.....	E-88
BA14EL6.....	B-38	BAGCNVS5X9X24.....	N-81	BBB14416H.....	E-88
BA14EL6M.....	B-38	BAT18V5AHLI.....	N-5	BBB14420J.....	E-88
BA14EL8.....	B-38	BAT18VLI.....	N-5	BBB412UD.....	E-88
BA14EL8M.....	B-38	BB024L.....	E-72		

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BBB424UD.....	E-88	BD6T14.....	E-74	BDBLCS4T2.....	A-57
BBBHR19.....	E-88	BD9T14.....	E-74	BDBLCS4T2FS.....	A-57
BBBVR36.....	E-88	BDBLCS10LA1DW.....	A-61	BDBLCS4T3.....	A-57
BC25.....	H-73	BDBLCS10LA2DW.....	A-61	BDBLCS4T3FS.....	A-57
BC28.....	H-73	BDBLCS10LA3DW.....	A-61	BDBLCS4TA.....	A-57
BC2C.....	H-73	BDBLCS10LK1DW.....	A-61	BDBLCS5K1.....	A-57
BCB1412P.....	E-97	BDBLCS10LK2DW.....	A-61	BDBLCS5K1FS.....	A-57
BCB14210P.....	E-91	BDBLCS10LK3DW.....	A-61	BDBLCS5K1FSKIT.....	A-57
BCB14210PK.....	E-91	BDBLCS10LR1DW.....	A-61	BDBLCS5K2.....	A-57
BCB14210S.....	E-94	BDBLCS10LR2DW.....	A-61	BDBLCS5K2FS.....	A-57
BCB14212P.....	E-91	BDBLCS10LR3DW.....	A-61	BDBLCS5K3.....	A-57
BCB14212PK.....	E-91, E-97	BDBLCS10LV1DW.....	A-61	BDBLCS5K3FS.....	A-57
BCB14212S.....	E-94	BDBLCS10LV2DW.....	A-61	BDBLCS5KA.....	A-57
BCB14216S.....	E-94	BDBLCS10LV3DW.....	A-61	BDBLCS5S5S1.....	A-59
BCB14220S.....	E-94	BDBLCS13LA1DW.....	A-61	BDBLCS5SA1.....	A-59
BCB14224S.....	E-94	BDBLCS13LA2DW.....	A-61	BDBLCS5SK1.....	A-59
BCB1426S.....	E-94	BDBLCS13LA3DW.....	A-61	BDBLCS5W1.....	A-57
BCB14412J.....	E-96	BDBLCS13LK1DW.....	A-61	BDBLCS5W1FS.....	A-57
BCB14412JK.....	E-91, E-96	BDBLCS13LK2DW.....	A-61	BDBLCS5W1FSKIT.....	A-57
BCB14412M.....	E-91, E-96	BDBLCS13LK3DW.....	A-61	BDBLCS5W2.....	A-57
BCB14412MK.....	E-91, E-96	BDBLCS13LR1DW.....	A-61	BDBLCS5W2FS.....	A-57
BCB14412S.....	E-95	BDBLCS13LR2DW.....	A-61	BDBLCS5W3.....	A-57
BCB14412SK.....	E-95	BDBLCS13LR3DW.....	A-61	BDBLCS5W3FS.....	A-57
BCB14416S.....	E-95	BDBLCS13LV1DW.....	A-61	BDBLCS5WA.....	A-57
BCB14420J.....	E-96	BDBLCS13LV2DW.....	A-61	BDBLCS6A1.....	A-57
BCB14420JK.....	E-96	BDBLCS13LV3DW.....	A-61	BDBLCS6A1FS.....	A-57
BCB14420M.....	E-96	BDBLCS3A1.....	A-56	BDBLCS6A1FSKIT.....	A-57
BCB14420MK.....	E-96	BDBLCS3A1FS.....	A-56	BDBLCS6A2.....	A-57
BCB14420S.....	E-95	BDBLCS3A1FSKIT.....	A-56	BDBLCS6A2FS.....	A-57
BCB14424J.....	E-96	BDBLCS3A2.....	A-56	BDBLCS6A3.....	A-57
BCB14424JK.....	E-96	BDBLCS3A2FS.....	A-56	BDBLCS6A3FS.....	A-57
BCB14424M.....	E-96	BDBLCS3A3.....	A-56	BDBLCS6AA.....	A-57
BCB14424MK.....	E-96	BDBLCS3A3FS.....	A-56	BDBLCS6K1.....	A-57
BCB14424S.....	E-95	BDBLCS3AA.....	A-56	BDBLCS6K1FS.....	A-57
BCR02302.....	E-48	BDBLCS3K1.....	A-56	BDBLCS6K1FSKIT.....	A-57
BCR03302.....	E-48	BDBLCS3K1FS.....	A-56	BDBLCS6K2.....	A-57
BCR04302.....	E-48	BDBLCS3K1FSKIT.....	A-56	BDBLCS6K2FS.....	A-57
BCR05302.....	E-48	BDBLCS3K2.....	A-56	BDBLCS6K3.....	A-57
BCR06302.....	E-48	BDBLCS3K2FS.....	A-56	BDBLCS6K3FS.....	A-57
BD12.....	E-75	BDBLCS3K3.....	A-56	BDBLCS6KA.....	A-57
BD12N.....	E-75	BDBLCS3K3FS.....	A-56	BDBLCS6R1.....	A-57
BD12N2U.....	E-80	BDBLCS3KA.....	A-56	BDBLCS6R1FS.....	A-57
BD12NB.....	E-78	BDBLCS4K1.....	A-57	BDBLCS6R1FSKIT.....	A-57
BD12T38.....	E-83	BDBLCS4K1FS.....	A-57	BDBLCS6R2.....	A-57
BD18.....	E-75	BDBLCS4K1FSKIT.....	A-57	BDBLCS6R2FS.....	A-57
BD18N.....	E-75	BDBLCS4K2.....	A-57	BDBLCS6R3.....	A-57
BD18N2U.....	E-80	BDBLCS4K2FS.....	A-57	BDBLCS6R3FS.....	A-57
BD18NB.....	E-78	BDBLCS4K3.....	A-57	BDBLCS6RA.....	A-57
BD24.....	E-75	BDBLCS4K3FS.....	A-57	BDBLCS6V1.....	A-57
BD24N.....	E-75	BDBLCS4KA.....	A-57	BDBLCS6V1FS.....	A-57
BD24N2U.....	E-80	BDBLCS4T1.....	A-57	BDBLCS6V1FSKIT.....	A-57
BD24NB.....	E-78	BDBLCS4T1FS.....	A-57	BDBLCS6V2.....	A-57
BD36N2U.....	E-80	BDBLCS4T1FSKIT.....	A-57	BDBLCS6V2FS.....	A-57

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BDBLCS6V3	A-57	BDBMCS5F2	A-56	BF12T716	E-74, E-83
BDBLCS6V3FS	A-57	BDBMCS5F2FS	A-56	BF18.....	E-75
BDBLCS6VA	A-57	BDBMCS5F3	A-56	BF18N.....	E-75
BDBLCS7A1DW.....	A-59	BDBMCS5F3FS	A-56	BF18N2U	E-80
BDBLCS7K1DW.....	A-59	BDBMCS5FA	A-56	BF18T716	E-74
BDBLCS7R1DW.....	A-59	BDBMCS5M1	A-56	BF24	E-75
BDBLCS7X1DW.....	A-59	BDBMCS5M1FS	A-56	BF24N.....	E-75
BDBLCS8Y1	A-57	BDBMCS5M1FSKIT.....	A-56	BF24N2U.....	E-80
BDBLCS8Y1FS.....	A-57	BDBMCS5M2	A-56	BF36N2U.....	E-80
BDBLCS8Y2	A-57	BDBMCS5M2FS	A-56	BF6T716.....	E-74
BDBLCS8Y2FS	A-57	BDBMCS5M3	A-56	BFB1020T12.....	E-27
BDBLCS8Y3	A-57	BDBMCS5M3FS	A-56	BFB1024T12.....	E-27
BDBLCS8Y3FS	A-57	BDBMCS5MA	A-56	BFB1032T12.....	E-27
BDBLCS8YA	A-57	BDBMCSCOVER.....	A-55	BFB10402TH38E26.....	E-27
BDBLCSCOVER	A-55	BDBSCS1C1.....	A-55	BFB10402TH38E27.....	E-27
BDBMCS1F1.....	A-56	BDBSCS1C1FS	A-55	BFB1040T58.....	E-27
BDBMCS1F1FS.....	A-56	BDBSCS1C1FSKIT	A-55	BFB10502TH38E26.....	E-27
BDBMCS1F1FSKIT	A-56	BDBSCS1C2.....	A-55	BFB10502TH38E27.....	E-27
BDBMCS1F2	A-56	BDBSCS1C2FS.....	A-55	BFB1050T58.....	E-27
BDBMCS1F2FS.....	A-56	BDBSCS1C3.....	A-55	BFB620T12.....	E-27
BDBMCS1F3	A-56	BDBSCS1C3FS.....	A-55	BFB624T12.....	E-27
BDBMCS1F3FS.....	A-56	BDBSCS1CA	A-55	BFB632T12.....	E-27
BDBMCS1FA	A-56	BDBSCS1P1.....	A-56	BFB6402TH38E26.....	E-27
BDBMCS2F1	A-56	BDBSCS1P1FS	A-56	BFB640T58.....	E-27
BDBMCS2F1FS.....	A-56	BDBSCS1P1FSKIT	A-56	BFB6502TH38E26.....	E-27
BDBMCS2F1FSKIT.....	A-56	BDBSCS1P2.....	A-56	BFB650T58.....	E-27
BDBMCS2F2	A-56	BDBSCS1P2FS.....	A-56	BG12	E-75
BDBMCS2F2FS	A-56	BDBSCS1P3.....	A-56	BG12N	E-75
BDBMCS2F3	A-56	BDBSCS1P3FS.....	A-56	BG12N2U	E-80
BDBMCS2F3FS	A-56	BDBSCS1PA.....	A-56	BG12T12.....	E-74, E-83
BDBMCS2FA.....	A-56	BDBSCS1S1S1.....	A-59	BG12T716.....	E-74
BDBMCS2N1.....	A-56	BDBSCSCOVER.....	A-55	BG18	E-75
BDBMCS2N1FS.....	A-56	BDT1	E-56	BG18N	E-75
BDBMCS2N1FSKIT	A-56	BDT1BB.....	E-57	BG18N2U	E-80
BDBMCS2N2.....	A-56	BE12.....	E-75	BG24.....	E-75
BDBMCS2N2FS.....	A-56	BE12N.....	E-75	BG24N.....	E-75
BDBMCS2N3.....	A-56	BE12N2U	E-80	BG24N2U	E-80
BDBMCS2N3FS.....	A-56	BE12T58.....	E-74	BG36N2U.....	E-80
BDBMCS2NA.....	A-56	BE12T716.....	E-74, E-83	BG6T716	E-74
BDBMCS3S3S1.....	A-59	BE18	E-75	BG8T716	E-74
BDBMCS3SF1.....	A-59	BE18N.....	E-75	BGBL1/0	A-21
BDBMCS3SM1.....	A-59	BE18N2U.....	E-80	BGBL250.....	A-21
BDBMCS3U1.....	A-56	BE18T58.....	E-74	BGBL4	A-21
BDBMCS3U1FS.....	A-56	BE18T716.....	E-74	BGBL4SS.....	A-21
BDBMCS3U1FSKIT	A-56	BE24	E-75	BGM3050.....	E-100
BDBMCS3U2.....	A-56	BE24N.....	E-75	BGM3100.....	E-100
BDBMCS3U2FS.....	A-56	BE24N2U	E-80	BGM640044	E-100
BDBMCS3U3.....	A-56	BE24T58.....	E-74	BGM64006.....	E-100
BDBMCS3U3FS.....	A-56	BE36N2U	E-80	BGM640066.....	E-100
BDBMCS3UA	A-56	BE6T716.....	E-74	BGM640068.....	E-100
BDBMCS5F1	A-56	BF12.....	E-75	BGRKTD30DN.....	E-87
BDBMCS5F1FS	A-56	BF12N.....	E-75	BGRKTD60C46.....	E-87
BDBMCS5F1FSKIT.....	A-56	BF12N2U	E-80	BGRKTD9D.....	E-87

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BGRKTHC	E-85	BIBD35010MT	A-43	BIBD6004MT	A-43
BGRKTKA9KA5	E-86	BIBD35012	A-41	BIBD6005	A-41
BGRKTV	E-85	BIBD35012FX	A-49	BIBD6005FX	A-50
BGRKTWB5	E-86	BIBD35012FXMT	A-52	BIBD6006	A-41
BHSG1100	D-11	BIBD35012MT	A-43	BIBD6006FX	A-50
BIBD2/010	A-40	BIBD35014	A-41	BIBD6006FXMT	A-52
BIBD2/010FXMT	A-52	BIBD3502	A-41	BIBD6006MT	A-43
BIBD2/010MT	A-43	BIBD3502FX	A-49	BIBD6008	A-41
BIBD2/012	A-40	BIBD3503	A-41	BIBD6008FX	A-50
BIBD2/012FXMT	A-52	BIBD3503FX	A-49	BIBD6008FXMT	A-52
BIBD2/012MT	A-43	BIBD3504	A-41	BIBD6008MT	A-43
BIBD2/014	A-40	BIBD3504FX	A-49	BIBD75010	A-41
BIBD2/02	A-40	BIBD3504FXMT	A-52	BIBD75010HDFX	A-50
BIBD2/03	A-40	BIBD3504MT	A-43	BIBD75012	A-41
BIBD2/04	A-40	BIBD3505	A-41	BIBD75012HDFX	A-50
BIBD2/04FXMT	A-52	BIBD3505FX	A-49	BIBD75014	A-41
BIBD2/04MT	A-43	BIBD3506	A-41	BIBD75014HDFX	A-50
BIBD2/05	A-40	BIBD3506FX	A-49	BIBD7502	A-41
BIBD2/06	A-40	BIBD3506FXMT	A-52	BIBD7502HDFX	A-50
BIBD2/06MT	A-43	BIBD3506MT	A-43	BIBD7503	A-41
BIBD2/08	A-40	BIBD3508	A-41	BIBD7503HDFX	A-50
BIBD2/08FXMT	A-52	BIBD3508FX	A-49	BIBD7504	A-41
BIBD2/08MT	A-43	BIBD3508FXMT	A-52	BIBD7504HDFX	A-50
BIBD25010	A-40	BIBD3508MT	A-43	BIBD7506	A-41
BIBD25010FX	A-49	BIBD42	A-40	BIBD7506HDFX	A-50
BIBD25010FXMT	A-52	BIBD42FX	A-49	BIBD7508	A-41
BIBD25010MT	A-43	BIBD43	A-40	BIBD7508HDFX	A-50
BIBD25012	A-40	BIBD43FX	A-49	BIBS2/010	A-38
BIBD25012FX	A-49	BIBD44	A-40	BIBS2/010FX	A-47
BIBD25012FXMT	A-52	BIBD44FX	A-49	BIBS2/010FXMT	A-51
BIBD25012MT	A-43	BIBD45	A-40	BIBS2/010MT	A-42
BIBD25014	A-40	BIBD45FX	A-49	BIBS2/012	A-38
BIBD25014FX	A-49	BIBD46	A-40	BIBS2/012FX	A-47
BIBD2502	A-40	BIBD46FX	A-49	BIBS2/012FXMT	A-51
BIBD2502FX	A-49	BIBD48	A-40	BIBS2/012MT	A-42
BIBD2503	A-40	BIBD48FX	A-49	BIBS2/014	A-38
BIBD2503FX	A-49	BIBD60010	A-41	BIBS2/014FX	A-47
BIBD2504	A-40	BIBD60010FX	A-50	BIBS2/03	A-38
BIBD2504FX	A-49	BIBD60010FXMT	A-52	BIBS2/03FX	A-47
BIBD2504FXMT	A-52	BIBD60010MT	A-43	BIBS2/04	A-38
BIBD2504MT	A-43	BIBD60012	A-41	BIBS2/04FX	A-47
BIBD2505	A-40	BIBD60012FX	A-50	BIBS2/04FXMT	A-51
BIBD2505FX	A-49	BIBD60012FXMT	A-52	BIBS2/04MT	A-42
BIBD2506	A-40	BIBD60012MT	A-43	BIBS2/05	A-38
BIBD2506FX	A-49	BIBD60014	A-41	BIBS2/05FX	A-47
BIBD2506MT	A-43	BIBD60014FX	A-50	BIBS2/06	A-38
BIBD2508	A-40	BIBD6002	A-41	BIBS2/06FX	A-47
BIBD2508FX	A-49	BIBD6002FX	A-50	BIBS2/06FXMT	A-51
BIBD2508FXMT	A-52	BIBD6003	A-41	BIBS2/06MT	A-42
BIBD2508MT	A-43	BIBD6003FX	A-50	BIBS2/08	A-38
BIBD35010	A-41	BIBD6004	A-41	BIBS2/08FX	A-47
BIBD35010FX	A-49	BIBD6004FX	A-50	BIBS2/08FXMT	A-51
BIBD35010FXMT	A-52	BIBD6004FXMT	A-52	BIBS2/08MT	A-42

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BIBS25010.....	A-38	BIBS3508.....	A-38	BIBS7506.....	A-39
BIBS25010FX.....	A-47	BIBS3508FX.....	A-47	BIBS7506HDFX.....	A-48
BIBS25010FXMT.....	A-51	BIBS3508FXMT.....	A-51	BIBS7508.....	A-39
BIBS25010MT.....	A-42	BIBS3508MT.....	A-42	BIBS7508HDFX.....	A-48
BIBS25012.....	A-38	BIBS43.....	A-38	BIBSD506FXMT.....	A-52
BIBS25012FX.....	A-47	BIBS43FX.....	A-47	BIPC1/02.....	A-11
BIBS25012FXMT.....	A-51	BIBS44.....	A-38	BIPC350350.....	A-11
BIBS25012MT.....	A-42	BIBS44FX.....	A-47	BIPC3504/0.....	A-11
BIBS25014.....	A-38	BIBS45.....	A-38	BIPC4/01/0.....	A-11
BIBS25014FX.....	A-47	BIBS45FX.....	A-47	BIPC4/06.....	A-11
BIBS2503.....	A-38	BIBS46.....	A-38	BIPC5004/0.....	A-11
BIBS2503FX.....	A-47	BIBS46FX.....	A-47	BISR1/0.....	A-37
BIBS2504.....	A-38	BIBS48.....	A-38	BISR1/0FX.....	A-45
BIBS2504FX.....	A-47	BIBS48FX.....	A-47	BISR1DB.....	A-34
BIBS2504FXMT.....	A-51	BIBS5003DB.....	A-35	BISR2.....	A-37
BIBS2504MT.....	A-42	BIBS5004DB.....	A-35	BISR250.....	A-37
BIBS2505.....	A-38	BIBS5005DB.....	A-35	BISR250DB.....	A-34
BIBS2505FX.....	A-47	BIBS5006DB.....	A-35	BISR250FX.....	A-45
BIBS2506.....	A-38	BIBS60010.....	A-39	BISR2FX.....	A-45
BIBS2506FX.....	A-47	BIBS60010FX.....	A-48	BISR3/0DB.....	A-34
BIBS2506FXMT.....	A-51	BIBS60010MT.....	A-42	BISR350.....	A-37
BIBS2506MT.....	A-42	BIBS60012.....	A-39	BISR350FX.....	A-45
BIBS2508.....	A-38	BIBS60012FX.....	A-48	BISR4DB.....	A-34
BIBS2508FX.....	A-47	BIBS60012FXMT.....	A-51	BISR500.....	A-37
BIBS2508FXMT.....	A-51	BIBS60012MT.....	A-42	BISR500FX.....	A-45
BIBS2508MT.....	A-42	BIBS60014.....	A-39	BISR750HDFX.....	A-45
BIBS35010.....	A-38	BIBS60014FX.....	A-48	BIT2/0.....	A-37
BIBS35010FX.....	A-47	BIBS6003.....	A-39	BIT2/0FX.....	A-46
BIBS35010FXMT.....	A-51	BIBS6003FX.....	A-48	BIT250.....	A-37
BIBS35010MT.....	A-42	BIBS6004.....	A-39	BIT250FX.....	A-46
BIBS35012.....	A-38	BIBS6004FX.....	A-48	BIT350.....	A-37
BIBS35012FX.....	A-47	BIBS6004FXMT.....	A-51	BIT350FX.....	A-46
BIBS35012FXMT.....	A-51	BIBS6004MT.....	A-42	BIT4.....	A-37
BIBS35012MT.....	A-42	BIBS6005.....	A-39	BIT4FX.....	A-46
BIBS35014.....	A-38	BIBS6005FX.....	A-48	BIT600.....	A-37
BIBS35014FX.....	A-47	BIBS6006.....	A-39	BIT600FX.....	A-46
BIBS3502DB.....	A-35	BIBS6006FX.....	A-48	BIT750.....	A-37
BIBS3503.....	A-38	BIBS6006FXMT.....	A-51	BIT750HDFX.....	A-46
BIBS3503DB.....	A-35	BIBS6006MT.....	A-42	BITO2/0.....	A-37
BIBS3503FX.....	A-47	BIBS6008.....	A-39	BITO2/0FX.....	A-46
BIBS3504.....	A-38	BIBS6008FX.....	A-48	BITO250.....	A-37
BIBS3504DB.....	A-35	BIBS6008FXMT.....	A-51	BITO250FX.....	A-46
BIBS3504FX.....	A-47	BIBS6008MT.....	A-42	BITO350.....	A-37
BIBS3504FXMT.....	A-51	BIBS75010.....	A-39	BITO350FX.....	A-46
BIBS3504MT.....	A-42	BIBS75010HDFX.....	A-48	BITO4.....	A-37
BIBS3505.....	A-38	BIBS75012.....	A-39	BITO4FX.....	A-46
BIBS3505DB.....	A-35	BIBS75012HDFX.....	A-48	BITO600.....	A-37
BIBS3505FX.....	A-47	BIBS75014.....	A-39	BITO600FX.....	A-46
BIBS3506.....	A-38	BIBS75014HDFX.....	A-48	BITO750.....	A-37
BIBS3506DB.....	A-35	BIBS7503.....	A-39	BITO750HDFX.....	A-46
BIBS3506FX.....	A-47	BIBS7503HDFX.....	A-48	BLFIXED954KIT.....	N-77
BIBS3506FXMT.....	A-51	BIBS7504.....	A-39	BLMVBL954KIT.....	N-77
BIBS3506MT.....	A-42	BIBS7504HDFX.....	A-48	BMCSS6W17.....	E-155

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

BMCSS8W17.....	E-155	BYNA235MMT15HACCC.....	I-18, I-21	BYNA56RT15HT.....	I-9
BMYBCHMT.....	N-48	BYNA235MMTHACCC.....	I-21	BYNA56RTHACCC.....	I-22
BPLB1425NH.....	E-99	BYNA245MM2T15HACCC.....	I-18, I-21	BYNA56RTHT.....	I-9
BPLB1425NN.....	E-99	BYNA245MM2THACCC.....	I-21	BYNA58R15HT.....	I-8
BPLB1448NH.....	E-99	BYNA32R15HT.....	I-8	BYNA58RHT.....	I-8
BPLB1448NN.....	E-99	BYNA32RHT.....	I-8	BYNA58RT15HT.....	I-9
BS10.....	B-53	BYNA32RT15HACCC.....	I-18, I-21	BYNA58RTHT.....	I-9
BS14.....	B-53	BYNA32RT15HT.....	I-9	BYNA590MRT15HACCC.....	I-19, I-22
BS16.....	B-53	BYNA32RTHACCC.....	I-21	BYNA590MRTHACCC.....	I-22
BSD20100.....	E-65	BYNA32RTHT.....	I-9	BYNA59R15HT.....	I-8
BSD2050.....	E-65	BYNA34R15HT.....	I-8	BYNA59RHT.....	I-8
BSD2050K01.....	E-65	BYNA34RHT.....	I-8	BYNA59RT15HT.....	I-9
BSD2050K02.....	E-65	BYNA34RT15HT.....	I-9	BYNA59RTHT.....	I-9
BSD2050K03.....	E-65	BYNA34RTHT.....	I-9	BYNA760MRT15HACCC.....	I-19, I-22
BSD2050K04.....	E-65	BYNA36R15HT.....	I-8	BYNA760MRTHACCC.....	I-22
BSD2050K05.....	E-65	BYNA36RHT.....	I-8	BYNS32RTHT.....	I-10
BSD2050K05N.....	E-65	BYNA36RT15HACCC.....	I-18, I-21	BYNS34RTHT.....	I-10
BSD2050K05Y.....	E-65	BYNA36RT15HT.....	I-9	BYNS36RTHT.....	I-10
BSD2050K06.....	E-65	BYNA36RTHACCC.....	I-21	BYNS39RTHT.....	I-10
BSD2050N.....	E-65	BYNA36RTHT.....	I-9	BYNS43RTHT.....	I-10
BSD2050Y.....	E-65	BYNA39R15HT.....	I-8	BYNS451RTHT.....	I-10
BSDCCEE.....	E-66	BYNA39RHT.....	I-8	BYNS49RTHT.....	I-10
BSPB1426NH.....	E-99	BYNA39RT15HACCC.....	I-18, I-21	BYNS52RTHT.....	I-10
BSPB1426NN.....	E-99	BYNA39RT15HT.....	I-9	BYNS56RTHT.....	I-10
BSPB1449NH.....	E-99	BYNA39RTHACCC.....	I-21	BYNS58RTHT.....	I-10
BSPB1449NN.....	E-99	BYNA39RTHT.....	I-9	BYNS59RTHT.....	I-10
BTCB14212P.....	E-97	BYNA43R15HT.....	I-8	C-11B.....	E-50
BTCB14212PK.....	E-97	BYNA43RHT.....	I-8	C-11CSH-1.....	E-54
BTCB14212SK.....	E-94	BYNA43RT15HACCC.....	I-18, I-21	C-11CSH-2.....	E-54
BTCB14412J.....	E-96	BYNA43RT15HT.....	I-9	C-11CSH-3.....	E-54
BTCB14412JK.....	E-96	BYNA43RTHACCC.....	I-21	C11CSLH12.....	E-54
BTCB14412M.....	E-96	BYNA43RTHT.....	I-9	C-11D.....	E-50
BTCB14412MK.....	E-96	BYNA451R15HT.....	I-8	C11HD4/ODB.....	E-52
BTCB14420J.....	E-96	BYNA451RHT.....	I-8	C-11JA.....	E-52
BTCB14420JK.....	E-96	BYNA451RT15HACCC.....	I-18, I-22	C-11JPT.....	E-50
BTCB14420M.....	E-96	BYNA451RT15HT.....	I-9	C11K16D.....	E-51
BTCB14420MK.....	E-96	BYNA451RTHACCC.....	I-22	C11K17D.....	E-51
BTCB14424J.....	E-96	BYNA451RTHT.....	I-9	C-11LH-1.....	E-54
BTCB14424JK.....	E-96	BYNA49R15HT.....	I-8	C-11LH-2.....	E-54
BTCB14424M.....	E-96	BYNA49RHT.....	I-8	C-11LH-3.....	E-54
BTCB14424MK.....	E-96	BYNA49RT15HACCC.....	I-19, I-22	C-11N.....	E-50
BTCGC1/0SS.....	E-68	BYNA49RT15HT.....	I-9	C-22.....	E-50
BTCGC250.....	E-68	BYNA49RTHACCC.....	I-22	C-22D.....	E-50
BTCGC250SS.....	E-68	BYNA49RTHT.....	I-9	C22HD4/ODB.....	E-52
BTCGC4SS.....	E-68	BYNA52R15HT.....	I-8	C-22JA.....	E-52
BTW150750.....	A-35, N104	BYNA52RHT.....	I-8	C-22JPT.....	E-50
BTW1575F12.....	N-104	BYNA52RT15HACCC.....	I-19, I-22	C-22LH-1.....	E-54
BTW30150.....	A-35, N104	BYNA52RT15HT.....	I-9	C-22LH-2.....	E-54
BWB680AG.....	E-59	BYNA52RTHACCC.....	I-22	C-22LH-3.....	E-54
BWB680IG.....	E-59	BYNA52RTHT.....	I-9	C-4.....	E-50
BYNA106MM2T15HACCC.....	I-18	BYNA56R15HT.....	I-8	C-4D.....	E-50
BYNA160MM2T15HACCC.....	I-21	BYNA56RHT.....	I-8	C-4JA.....	E-52
BYNA160MM2THACCC.....	I-21	BYNA56RT15HACCC.....	I-19, I-22	C-4JPT.....	E-50

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

C-4LH-1.....	E-54	CCY10L9T12G.....	E-78	CL1/014TN.....	A-20
C-4LH-2.....	E-54	CCY10L9T14GY.....	E-78	CL1/0-14TN.....	E-35
C-4LH-3.....	E-54	CFBGFR.....	C-183	CL250516TN.....	A-20
C-6.....	E-53	CFDFR.....	C-178, C-183	CL250-516TN.....	E-35
C-61.....	E-53	CFNFR.....	C-178, C-183	CL3/0516TN.....	A-20
C-66.....	E-53	CFOFR.....	C-178, C-183	CL3/0-516TN.....	E-35
C-6D.....	E-53	CFRFR.....	C-178, C-183	CL501.....	A-20
C-7.....	E-53	CH10C.....	G-14	CL50-1.....	E-35
C-8.....	E-50	CH10CO.....	G-14	CL501TN.....	A-20
CASEPATCUT1500.....	N-79	CH10M.....	G-14	CL50-1TN.....	E-35
	N-18, N-28,	CH10M0.....	G-14	CL50-1TN BULK.....	E-35
	N-63, N-64,	CH11C.....	G-14	CL501TNMHWSS.....	E-35
CASEUDIES15.....	N-65, N-101	CH11M.....	G-14	CL501TNMHWSSST.....	E-35
CASEUDIES8.....	N-64, N-101	CH12C.....	G-14	CMDT120400C5.....	G-11
	N-17, N-66,	CH12CO.....	G-14	CMDT18075C5.....	G-11
	N-67, N-73,	CH12M.....	G-14	CMDT40225C5.....	G-11
	N-74, N-75,	CH12M0.....	G-14	CMDT50175C5.....	G-11
CASEWDIES.....	N-76, N-100	CH14C.....	G-14	CMDT50300C5.....	G-11
CCD.....	H-27	CH14CO.....	G-14	CMDT50400C5.....	G-11
CCFBGFR.....	C-183	CH14M.....	G-14	COVERYA3BLK.....	F-13
CCFDFR.....	C-178, C-183	CH16C.....	G-14	COVERYA3ORG.....	F-13
CCFDXFR.....	C-178, C-183	CH16M.....	G-14	COVERYA4BLK.....	F-13
CCFNFR.....	C-178, C-183	CH18C.....	G-14	COVERYA4ORG.....	F-13
CCFOFR.....	C-178, C-183	CH18M.....	G-14	COVERYA5BLK.....	F-13
CCFRFR.....	C-178, C-183	CH24C.....	G-14	COVERYA5ORG.....	F-13
CCN.....	H-27	CH24CO.....	G-14	COVERYA6BLK.....	F-13
CCNL.....	H-27	CH24L.....	G-14	COVERYA6ORG.....	F-13
CCO.....	H-27	CH2C.....	G-14	CP2525.....	H-13
CCSC110600.....	D-2	CH2CO.....	G-14	CP2626.....	H-13
CCSC110800.....	D-2	CH2M.....	G-14	CP26A26A.....	H-11
CCSC126600.....	D-2	CH3C.....	G-14	CP27A27A.....	H-11
CCSC126900.....	D-2	CH3CO.....	G-14	CP2828.....	H-13
CCSC146600.....	D-2	CH3M.....	G-14	CP28A28A.....	H-11
CCSC146900.....	D-2	CH4C.....	G-14	CP2929.....	H-13
CCSC2001200.....	D-2	CH4CO.....	G-14	CP29A29A.....	H-11
CCSC200600.....	D-2	CH4M.....	G-14	CP2C2C.....	H-13
CCSC200900.....	D-2	CH4M0.....	G-14	CP30A30A.....	H-11
CCY106LT12G.....	E-78	CH5C.....	G-14	CP31A31A.....	H-11
CCY10L12LT1090G.....	E-78	CH5CO.....	G-14	CP32A32A.....	H-11
CCY10L12LT14GY.....	E-78	CH5M.....	G-14	CP3434.....	H-13
CCY10L12LT38G.....	E-78	CH6C.....	G-14	CP34A34A.....	H-11
CCY10L12T12G.....	E-78	CH6CO.....	G-14	CP37A37A.....	H-11
CCY10L14LT14GY.....	E-78	CH6M.....	G-14	CPR34A4.....	L-44
CCY10L18LT1090G.....	E-78	CH6M0.....	G-14	CPR42A4.....	L-44
CCY10L18LT14GY.....	E-78	CH7C.....	G-14	CPR46A4.....	L-44
CCY10L18LT38G.....	E-78	CH7CO.....	G-14	CSB037800SR1.....	D-3
CCY10L18T12G.....	E-78	CH7M.....	G-14	CSB051900SR1.....	D-3
CCY10L24LT1090G.....	E-78	CH8C.....	G-14	CSB0971200SR1.....	D-3
CCY10L24LT38G.....	E-78	CH8CO.....	G-14	CSB097900SR1.....	D-3
CCY10L24T12G.....	E-78	CH8M.....	G-14	CSB125900SR1.....	D-3
CCY10L6LT38G.....	E-78	CH9C.....	G-14	CSB163900SR1.....	D-3
CCY10L7T14GY.....	E-78	CH9CO.....	G-14	CSJB097600SR1.....	D-3
CCY10L9LT38G.....	E-78	CH9M.....	G-14	CSJB125800SR1.....	D-3

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

CSJB163900SR1	D-3	CT120400D00	G-8	CT18075MH4C	G-12
CT110200SSBB	G-16	CT120400L	G-8	CT18075MH4M	G-12
CT110200SSBB0	G-16	CT120400L0	G-8	CT18087SSBC	G-15
CT110200SSBC	G-16	CT120400L00	G-8	CT18087SSBC0	G-15
CT110200SSBC0	G-16	CT120400L0UG	G-18	CT18087SSBM	G-15
CT110225SSBC	G-16	CT120400LUG	G-18	CT18087SSBM0	G-15
CT110225SSBC0	G-16	CT120400M0	G-8	CT18100SSBC	G-15
CT110225SSBL	G-16	CT120400MH14D	G-12	CT18100SSBC0	G-15
CT110225SSBLO	G-16	CT120400MH14D0	G-12	CT18100SSBM	G-15
CT110300SSBC	G-16	CT120400MH14L	G-12	CT18100SSBM0	G-15
CT110300SSBC0	G-16	CT120400MH14L0	G-12	CT18125C	G-6
CT110300SSBL	G-16	CT120400SSBC	G-16	CT18125C0	G-6
CT110300SSBLO	G-16	CT120400SSBC0	G-16	CT18125C3	G-6
CT110325SSBB	G-16	CT120400SSBL	G-16	CT18125C4	G-6
CT110325SSBB0	G-16	CT120400SSBLO	G-16	CT18125M	G-6
CT110325SSBC	G-16	CT120500CUG	G-18	CT18125M0	G-6
CT110325SSBC0	G-16	CT120500SSBC	G-16	CT18200C	G-6
CT110350SSBC	G-16	CT120500SSBC0	G-16	CT18200C0	G-6
CT110350SSBC0	G-16	CT120500SSBL	G-16	CT18200C0UG	G-17
CT110350SSBL	G-16	CT120500SSBLO	G-16	CT18200C1	G-6
CT110350SSBLO	G-16	CT120800L	G-8	CT18200C2	G-6
CT110400SSBC	G-16	CT120800L0	G-8	CT18200C5	G-6
CT110400SSBC0	G-16	CT120900LUG	G-18	CT18200C6	G-6
CT110400SSBL	G-16	CT1751100Q	G-9	CT18200IDC	G-10
CT110400SSBLO	G-16	CT1751100Q0	G-9	CT18200M	G-6
CT110500SSBC	G-16	CT1751100Q0UG	G-18	CT18200M0	G-6
CT110500SSBC0	G-16	CT1751100QUG	G-18	CT18200M0UG	G-17
CT110500SSBL	G-16	CT1751400Q0	G-9	CT18200MUG	G-17
CT110500SSBLO	G-16	CT1751400QUG	G-18	CT18200SSBC	G-15
CT110600SSBC	G-16	CT1751500Q	G-9	CT18200SSBC0	G-15
CT110600SSBC0	G-16	CT175400Q0UG	G-18	CT18200SSBM	G-15
CT110600SSBL	G-16	CT175500Q	G-9	CT18200SSBM0	G-15
CT110600SSBLO	G-16	CT175500Q0	G-9	CT2501000Q	G-9
CT110800SSBC	G-16	CT175600Q	G-9	CT2501000RQ	G-11
CT110800SSBC0	G-16	CT175600Q0	G-9	CT2501200Q	G-9
CT110800SSBL	G-16	CT175600Q0UG	G-18	CT2501200Q0	G-9
CT110800SSBLO	G-16	CT175600QUG	G-18	CT250200RQ	G-11
CT120200D	G-8	CT175800Q0	G-9	CT250200RQ0	G-11
CT120200D0	G-8	CT175900Q	G-9	CT250500RQ	G-11
CT120200L	G-8	CT175900Q00	G-9	CT250500RQ0	G-11
CT120200L0	G-8	CT175900Q0UG	G-18	CT250600Q	G-9
CT120200L0UG	G-18	CT18025M0UG	G-17	CT250600Q0	G-9
CT120300SSBC	G-16	CT18025MUG	G-17	CT250600RQ	G-11
CT120300SSBC0	G-16	CT18075C	G-6	CT250600RQ0	G-11
CT120300SSBL	G-16	CT18075C0	G-6	CT250800Q	G-9
CT120300SSBLO	G-16	CT18075C00	G-6	CT250800Q0	G-9
CT120350SSBC	G-16	CT18075C0UG	G-17	CT250800Q0UG	G-18
CT120350SSBC0	G-16	CT18075CUG	G-17	CT250800RQ	G-11
CT120350SSBL	G-16	CT18075FLC	G-10	CT250800RQ0	G-11
CT120350SSBLO	G-16	CT18075IDC	G-10	CT30125C	G-6
CT120400C0UG	G-18	CT18075M	G-6	CT30125C0	G-6
CT120400D	G-8	CT18075M0	G-6	CT30125C00	G-6
CT120400D0	G-8	CT18075M00	G-6	CT30125C0UG	G-17

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

CT30125CUG.....	G-17	CT50175C4.....	G-7	CT50400C.....	G-8
CT30125M.....	G-6	CT50175C5.....	G-7	CT50400C0.....	G-8
CT30125M0.....	G-6	CT50175C6.....	G-7	CT50400C00.....	G-8
CT30125M00.....	G-6	CT50175C7.....	G-7	CT50400C0UG.....	G-17
CT30125MH8C.....	G-12	CT50175C8.....	G-7	CT50400C2.....	G-8
CT30125MH8M.....	G-12	CT50175CUG.....	G-17	CT50400C3.....	G-8
CT30125MH8M0.....	G-12	CT50175IDC.....	G-10	CT50400CUG.....	G-17
CT30125MUG.....	G-17	CT50175M.....	G-7	CT50400M.....	G-8
CT40137SSBC.....	G-15	CT50175M0.....	G-7	CT50400M0.....	G-8
CT40137SSBC0.....	G-15	CT50175M00.....	G-7	CT50400M00.....	G-8
CT40137SSBM.....	G-15	CT50175M02.....	G-7	CT50400M02.....	G-8
CT40137SSBM0.....	G-15	CT50175M0UG.....	G-17	CT50400MH10C.....	G-12
CT40200C.....	G-7	CT50175MH10C.....	G-12	CT50400MH10C0.....	G-12
CT40200C0.....	G-7	CT50175MH10C0.....	G-12	CT50400MH10M0.....	G-12
CT40200C00.....	G-7	CT50175MH10C0UG.....	G-19	CT50400MUG.....	G-17
CT40200CUG.....	G-17	CT50175MH10CUG.....	G-19	CT50400RC.....	G-11
CT40200M.....	G-7	CT50175MH10M.....	G-12	CT50400RC0.....	G-11
CT40200M0.....	G-7	CT50175MH10M0.....	G-12	CT50400SSBB.....	G-16
CT40200M00.....	G-7	CT50175MUG.....	G-17	CT50400SSBB0.....	G-16
CT40200MUG.....	G-17	CT50175PMC.....	G-10	CT50400SSBC.....	G-16
CT40200SSBC.....	G-15	CT50175PMCO.....	G-10	CT50400SSBC0.....	G-16
CT40200SSBC0.....	G-15	CT50175RC.....	G-11	CT50425SSBB.....	G-16
CT40200SSBD.....	G-15	CT50175RC0.....	G-11	CT50425SSBB0.....	G-16
CT40200SSBD0.....	G-15	CT50175SSBC.....	G-15	CT50425SSBC.....	G-16
CT40300C.....	G-7	CT50175SSBC0.....	G-15	CT50425SSBC0.....	G-16
CT40300C0.....	G-7	CT50175SSBD.....	G-15	CTASST.....	G-20
CT40300C00.....	G-7	CT50175SSBD0.....	G-15	CTB075AAF1C.....	G-13
CT40300M.....	G-7	CT50200SSBB.....	G-15	CTB075AAF1C0.....	G-13
CT40300M0.....	G-7	CT50200SSBB0.....	G-15	CTB075AAF1M.....	G-13
CT40300M00.....	G-7	CT50200SSBC.....	G-15	CTB075RA4CUG.....	G-19
CT40300SSBC.....	G-15	CT50200SSBC0.....	G-15	CTB075RAF1C.....	G-13
CT40300SSBC0.....	G-15	CT50250IDC.....	G-10	CTB075RAF1C0.....	G-13
CT40300SSBD.....	G-15	CT50250SSBB.....	G-15	CTB075RAF1M.....	G-13
CT40300SSBD0.....	G-15	CT50250SSBB0.....	G-15	CTB075SF1C.....	G-13
CT40400C.....	G-7	CT50250SSBC.....	G-15	CTB075SF1M.....	G-13
CT40400C0.....	G-7	CT50250SSBC0.....	G-15	CTB100AAF2C.....	G-13
CT40400C00.....	G-7	CT50300C.....	G-8	CTB100AAF2C0.....	G-13
CT40400C0UG.....	G-17	CT50300C0.....	G-8	CTB100AAF2D.....	G-13
CT40400M.....	G-7	CT50300C00.....	G-8	CTB100RAF2C0.....	G-13
CT40400M0.....	G-7	CT50300C0UG.....	G-17	CTB100RAF2L.....	G-13
CT40400M00.....	G-7	CT50300C2.....	G-8	CTB100SF2C.....	G-13
CT40400SSBC.....	G-15	CT50300CUG.....	G-17	CTB125RA4C.....	G-13
CT40400SSBC0.....	G-15	CT50300M.....	G-8	CTB125RA4CUG.....	G-19
CT40400SSBD.....	G-15	CT50300M0.....	G-8	CTB125RA4DUG.....	G-19
CT40400SSBD0.....	G-15	CT50300M00.....	G-8	CTB150AAF3C.....	G-13
CT50137RC.....	G-11	CT50300M0UG.....	G-17	CTB150AAF3D.....	G-13
CT50175C.....	G-7	CT50300MH10C0UG.....	G-19	CTB150RA4C.....	G-13
CT50175C0.....	G-7	CT50300MH10CUG.....	G-19	CTB150RAF3C0.....	G-13
CT50175C00.....	G-7	CT50300MUG.....	G-17	CTB150RAF3D.....	G-13
CT50175C0UG.....	G-17	CT50300SSBB.....	G-15	CTB150SF3C.....	G-13
CT50175C1.....	G-7	CT50300SSBB0.....	G-15	CTHS120400M.....	G-12
CT50175C2.....	G-7	CT50300SSBC.....	G-15	CTHS18075M.....	G-12
CT50175C3.....	G-7	CT50300SSBC0.....	G-15	CTHS40125M.....	G-12

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

CTHS50300M.....	G-12	CTSS250300PC304L.....	G-23	CTSS500300316C.....	G-25
CTHS50400M.....	G-12	CTSS250300PC316L.....	G-26	CTSS500400304L.....	G-22
CTHS50700M.....	G-12	CTSS250400FC304L.....	G-24	CTSS500400316L.....	G-25
CTNT50200CO.....	G-20	CTSS250400FC316L.....	G-27	CTSS500500304L.....	G-22
CTNT50200DO.....	G-20	CTSS250400PC304L.....	G-23	CTSS500500316L.....	G-25
CTNT50275CO.....	G-20	CTSS250400PC316L.....	G-26	CTSS500600304L.....	G-22
CTNT50275DO.....	G-20	CTSS250500FC304L.....	G-24	CTSS500600316L.....	G-25
CTNT50350CO.....	G-20	CTSS250500FC316L.....	G-27	CTSS500700304L.....	G-22
CTNT50350DO.....	G-20	CTSS250500PC304L.....	G-23	CTSS500700316L.....	G-25
CTNT50400CO.....	G-20	CTSS250500PC316L.....	G-26	CTSS500750304L.....	G-22
CTNT50400DO.....	G-20	CTSS250600FC304L.....	G-24	CTSS500750316L.....	G-25
CTNT50500CO.....	G-20	CTSS250600FC316L.....	G-27	CTSS500800304L.....	G-22
CTNT50500DO.....	G-20	CTSS250600PC304L.....	G-23	CTSS500800316L.....	G-25
CTNT50575CO.....	G-20	CTSS250600PC316L.....	G-26	CTSS675200FC304Q.....	G-24
CTNT50575DO.....	G-20	CTSS250700FC304L.....	G-24	CTSS675200FC316Q.....	G-27
CTNT50650CO.....	G-20	CTSS250700FC316L.....	G-27	CTSS675200PC304Q.....	G-23
CTNT50650DO.....	G-20	CTSS250700PC304L.....	G-23	CTSS675200PC316Q.....	G-26
CTNT50725CO.....	G-20	CTSS250700PC316L.....	G-26	CTSS675300FC304Q.....	G-24
CTNT50725DO.....	G-20	CTSS250800FC304L.....	G-24	CTSS675300FC316Q.....	G-27
CTNT50750CO.....	G-20	CTSS250800FC316L.....	G-27	CTSS675300PC304Q.....	G-23
CTNT50750DO.....	G-20	CTSS250800PC304L.....	G-23	CTSS675300PC316Q.....	G-26
CTSS100100FC304C.....	G-24	CTSS250800PC316L.....	G-26	CTSS675400FC304Q.....	G-24
CTSS100100FC316C.....	G-27	CTSS450200FC304L.....	G-24	CTSS675400FC316Q.....	G-27
CTSS100200FC304C.....	G-24	CTSS450200FC316L.....	G-27	CTSS675400PC304Q.....	G-23
CTSS100200FC316C.....	G-27	CTSS450200PC304L.....	G-23	CTSS675400PC316Q.....	G-26
CTSS100300FC304C.....	G-24	CTSS450200PC316L.....	G-26	CTSS675500FC304Q.....	G-24
CTSS100300FC316C.....	G-27	CTSS450300FC304L.....	G-24	CTSS675500FC316Q.....	G-27
CTSS100400FC304C.....	G-24	CTSS450300FC316L.....	G-27	CTSS675500PC304Q.....	G-23
CTSS100400FC316C.....	G-27	CTSS450300PC304L.....	G-23	CTSS675500PC316Q.....	G-26
CTSS100500FC304C.....	G-24	CTSS450300PC316L.....	G-26	CTSS675600FC304Q.....	G-24
CTSS100500FC316C.....	G-27	CTSS450400FC304L.....	G-24	CTSS675600FC316Q.....	G-27
CTSS100600FC304C.....	G-24	CTSS450400FC316L.....	G-27	CTSS675600PC304Q.....	G-23
CTSS100600FC316C.....	G-27	CTSS450400PC304L.....	G-23	CTSS675600PC316Q.....	G-26
CTSS100800FC304C.....	G-24	CTSS450400PC316L.....	G-26	CTSS675700FC304Q.....	G-24
CTSS100800FC316C.....	G-27	CTSS450500FC304L.....	G-24	CTSS675700FC316Q.....	G-27
CTSS225100304C.....	G-22	CTSS450500FC316L.....	G-27	CTSS675700PC304Q.....	G-23
CTSS225100316C.....	G-25	CTSS450500PC304L.....	G-23	CTSS675700PC316Q.....	G-26
CTSS225200304C.....	G-22	CTSS450500PC316L.....	G-26	CTSS675800FC304Q.....	G-24
CTSS225200316C.....	G-25	CTSS450600FC304L.....	G-24	CTSS675800FC316Q.....	G-27
CTSS225300304C.....	G-22	CTSS450600FC316L.....	G-27	CTSS675800PC304Q.....	G-23
CTSS225300316C.....	G-25	CTSS450600PC304L.....	G-23	CTSS675800PC316Q.....	G-26
CTSS225400304C.....	G-22	CTSS450600PC316L.....	G-26	CTSS700200304L.....	G-22
CTSS225400316C.....	G-25	CTSS450700FC304L.....	G-24	CTSS700200316L.....	G-25
CTSS225500304C.....	G-22	CTSS450700FC316L.....	G-27	CTSS700300304L.....	G-22
CTSS225500316C.....	G-25	CTSS450700PC304L.....	G-23	CTSS700300316L.....	G-25
CTSS225600304C.....	G-22	CTSS450700PC316L.....	G-26	CTSS700400304L.....	G-22
CTSS225600316C.....	G-25	CTSS450800FC304L.....	G-24	CTSS700400316L.....	G-25
CTSS250200FC304L.....	G-24	CTSS450800FC316L.....	G-27	CTSS700500304L.....	G-22
CTSS250200FC316L.....	G-27	CTSS450800PC304L.....	G-23	CTSS700500316L.....	G-25
CTSS250200PC304L.....	G-23	CTSS450800PC316L.....	G-26	CTSS700600304L.....	G-22
CTSS250200PC316L.....	G-26	CTSS500200304L.....	G-22	CTSS700600316L.....	G-25
CTSS250300FC304L.....	G-24	CTSS500200316C.....	G-25	CTSS700700304L.....	G-22
CTSS250300FC316L.....	G-27	CTSS500300304L.....	G-22	CTSS700700316L.....	G-25

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

CTSS700800304L.....	G-22	EA2C	A-14	FD68C8.....	L-41
CTSS700800316L.....	G-25	EA34.....	A-14	FD68D12.....	L-41
CTSS900200304L.....	G-22	EA342N.....	A-14	FD68D8.....	L-41
CTSS900200316L.....	G-25	EP10.....	N-92	FD69C8.....	L-41
CTSS900300304L.....	G-22	EP101HP.....	N-92	FD69D12.....	L-41
CTSS900300316L.....	G-25	EP101HP2.....	N-92	FD69D8.....	L-41
CTSS900400304L.....	G-22	EP102.....	N-92	FD70D12.....	L-41
CTSS900400316L.....	G-25	EPAC10.....	N-93	FD70D16.....	L-41
CTSS900500304L.....	G-22	EPP10.....	N-91	FFGC2.....	E-45
CTSS900500316L.....	G-25	EPPCASE1.....	N-91	FFGC2/0.....	E-45
CTSS900600304L.....	G-22	EQC632C.....	H-42	FFGC4.....	E-45
CTSS900600316L.....	G-25	EQC632C1.....	E-32	FFGC6.....	E-45
CTSS900700304L.....	G-22	ES25A25A.....	H-46	FFGC8.....	E-45
CTSS900700316L.....	G-25	ES25A2W.....	H-46	FL1025X03B.....	B-71
CTSS900800304L.....	G-22	ES25A4W.....	H-46	FL1025X03D.....	B-71
CTSS900800316L.....	G-25	ES25R25R.....	H-46	FL1425X03B.....	B-71
CTT50.....	G-32	ES25R2R.....	H-46	FL1425X03D.....	B-71
CTTSS900.....	G-32	ES25R2W.....	H-46	FL1825X03B.....	B-71
CTZ100300C6.....	G-21	ES25R4W.....	H-46	FL1825X03D.....	B-71
CTZ100400C6.....	G-21	ES25R6W.....	H-46	FLN1025X03D.....	B-71
CTZ18075C6.....	G-21	ES2R2R.....	H-46	FLN1425X03D.....	B-71
CTZ18125C6.....	G-21	ES2R2W.....	H-46	FLN1825X03D.....	B-71
CTZ30200C6.....	G-21	ES2R4W.....	H-46		N-11, N-12,
CTZ50175C6.....	G-21	ES2R6W.....	H-46	FORCEGAUGE11.....	N-102
CTZ50300C6.....	G-21	ES2R8W.....	H-46		N-7, N-8,
CTZ50400C6.....	G-21	ES2W2W.....	H-46		N-9, N-10,
CUSA442NTC.....	C-135	ES2W4W.....	H-46	FORCEGAUGE1215.....	N-18, N-102
CUSA442TC38.....	C-135	ES2W6W.....	H-46	FP10.....	N-94
CUT200BLMVBL.....	N-69, N-82	ES2W8W.....	H-46	FP6.....	N-94
CUT200BLSTA.....	N-69, N-82	ES4W4W.....	H-46	FQN10F25X03D.....	B-67
CUW26RE1.....	H-75	ES4W6W.....	H-46	FQN10M25X03B.....	B-66
CUW30AE.....	H-75	ES4W8W.....	H-46	FQN10M25X03D.....	B-66
CUW32RE.....	H-75	ES6W6W.....	H-46	FQN14F18X02D.....	B-67
CUW34E.....	H-74	ES6W8W.....	H-46	FQN14F25X03D.....	B-67
CUW361RE.....	H-75	ES8W8W.....	H-46	FQN14M18X02D.....	B-66
CUW391AE.....	H-75	FCB632NP300.....	A-10, L-10	FQN14M25X03B.....	B-66
CUW44E.....	H-74	FCB634N.....	A-10, L-10	FQN14M25X03D.....	B-66
CY1CL14D50LT38.....	E-83	FCB636N.....	A-10, L-10	FQN18F25X03D.....	B-67
CZ-11.....	E-51	FCB6444NP50.....	A-10, L-10	FQN18M18X02D.....	B-66
Die Profiles.....	N-56	FCB644N.....	A-10, L-10	FQN18M25X03B.....	B-66
DUW28.....	H-74	FCB646N.....	A-10, L-10	FQN18M25X03D.....	B-66
DUW28A.....	H-75	FCB654N.....	A-10, L-10	FQP10F25X03D.....	B-66
DUW31.....	H-74	FD64C5T16.....	L-41	FQP14F11X03D.....	B-66
DUW34.....	H-74	FD655C6.....	L-41	FQP14F18X02D.....	B-66
DUW44.....	H-74	FD655D6.....	L-41	FQP14F25X03D.....	B-66
DUW44A.....	H-75	FD65C6T14.....	L-41	FQP18F11X03D.....	B-66
DUW44AE.....	H-75	FD66C6.....	L-41	FQP18F18X02D.....	B-66
E2C34G1.....	H-41, L-10	FD66D6.....	L-41	FQP18F25X03D.....	B-66
E3C34G1.....	H-41, L-10	FD675C8.....	L-41	FT3B4/0.....	A-62
E4C34G1.....	H-41, L-10	FD675D8.....	L-41	FT3B500.....	A-62
EA25.....	A-14	FD685C8.....	L-41	FT4B4/0.....	A-62
EA28.....	A-14	FD685D12.....	L-41	FT4B500.....	A-62
EA282N.....	A-14	FD685D8.....	L-41	GA25H26.....	E-46

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

GAR25H29.....	E-46	GAR3904.....	E-39	GD1526.....	E-41
GA400H294CTN.....	E-46	GAR3904-BU.....	E-39	GD1529.....	E-41
GA600H30SS.....	E-46	GAR3904TC.....	E-40	GD1626.....	E-41
GA800H30SS.....	E-46	GAR3905.....	E-39	GD1629.....	E-41
GAR1126.....	E-37	GAR3905-BU.....	E-39	GD1726.....	E-41
GAR1129.....	E-37	GAR3905TC.....	E-40	GD1729.....	E-41
GAR114C.....	E-37	GAR3906.....	E-39	GD1734.....	E-41
GAR1426.....	E-37	GAR3906-BU.....	E-39	GD174C.....	E-41
GAR1429.....	E-37	GAR3906TC.....	E-40	GD1826.....	E-41
GAR1434.....	E-37	GAR3907.....	E-39	GD1829.....	E-41
GAR144C.....	E-37	GAR3907-BU.....	E-39	GD1834.....	E-41
GAR1526.....	E-37	GAR3907TC.....	E-40	GD184C.....	E-41
GAR1529.....	E-37	GAR3908.....	E-39	GD1926.....	E-41
GAR1534.....	E-37	GAR3908-BU.....	E-39	GD1929.....	E-41
GAR154C.....	E-37	GAR3908TC.....	E-40	GD1934.....	E-41
GAR1626.....	E-37	GAR3909.....	E-39	GD194C.....	E-41
GAR1629.....	E-37	GAR3909-BU.....	E-39	GD2026.....	E-41
GAR1634.....	E-37	GAR3909TC.....	E-40	GD2029.....	E-41
GAR164C.....	E-37	GAR6426.....	E-37	GD2034.....	E-41
GAR1726.....	E-38	GAR6429.....	E-37	GD204C.....	E-41
GAR1729.....	E-38	GAR6434.....	E-37	GD2126.....	E-41
GAR1734.....	E-38	GAR644C.....	E-37	GD2129.....	E-41
GAR174C.....	E-38	GAR8629.....	E-38	GD2134.....	E-41
GAR1826.....	E-38	GAR8634.....	E-38	GD214C.....	E-41
GAR1829.....	E-38	GB26.....	E-61	GD2226.....	E-41
GAR1834.....	E-38	GB29.....	E-61	GD2229.....	E-41
GAR184C.....	E-38	GB34.....	E-61	GD2234.....	E-41
GAR1926.....	E-38	GB4C.....	E-61	GD224C.....	E-41
GAR1929.....	E-38	GBL30.....	E-61	GG15-1.....	E-44
GAR1934.....	E-38	GBM26.....	E-61	GG16-1.....	E-44
GAR194C.....	E-38	GBM29.....	E-61	GG17-1.....	E-44
GAR2026.....	E-38	GBM34.....	E-61	GG17-15.....	E-44
GAR2029.....	E-38	GBM4C.....	E-61	GG18-1.....	E-44
GAR2034.....	E-38	GC15A.....	E-55	GG18-15.....	E-44
GAR204C.....	E-38	GC18A.....	E-55	GG18-2.....	E-44
GAR2126.....	E-38	GC22A.....	E-55	GG19-2.....	E-44
GAR2129.....	E-38	GC2525CT.....	E-68	GG19-25.....	E-44
GAR2134.....	E-38	GC2626.....	E-61	GG20-2.....	E-44
GAR214C.....	E-38	GC2626CT.....	E-68	GG20-25.....	E-44
GAR2226.....	E-38	GC2929.....	E-61	GG20-3.....	E-44
GAR2229.....	E-38	GC2929CT.....	E-68	GG21-2.....	E-44
GAR2234.....	E-38	GC3434.....	E-61	GG21-25.....	E-44
GAR224C.....	E-38	GC4C4C.....	E-61	GG21-3.....	E-44
GAR2426.....	E-38	GCB63T13G1.....	E-66	GG21-35.....	E-44
GAR2429.....	E-38	GCL30.....	E-61	GG22-2.....	E-44
GAR2434.....	E-38	GCM26.....	E-61	GG22-25.....	E-44
GAR244C.....	E-38	GCM29.....	E-61	GG22-3.....	E-44
GAR3902.....	E-39	GCM34.....	E-61	GG22-4.....	E-44
GAR3902-BU.....	E-39	GCM4C.....	E-61	GG24-2.....	E-44
GAR3902TC.....	E-40	GCRT1/0.....	E-33	GIE2CG3.....	E-64
GAR3903.....	E-39	GCS26HEX.....	E-36	GIE4CG3.....	E-64
GAR3903-BU.....	E-39	GCS29HEX.....	E-36	GIE4CG3P5.....	E-64
GAR3903TC.....	E-40	GCS34HEX.....	E-36	GIE4CG3P7.....	E-64

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

GIE4CG4.....	E-64	GP6426.....	E-42	GZ4C-58.....	E-62
GIE4CG4P5.....	E-64	GP6429.....	E-42	HFB22P1.....	L-49
GIE4CG4P7.....	E-64	GP6434.....	E-42	HFB334N.....	L-49
GK1126.....	E-43	GP644C.....	E-42	HFB33P1.....	L-49
GK1129.....	E-43	GP64526G1.....	E-71	HFB42P1.....	L-49
GK114C.....	E-43	GP64528G1.....	E-71	HFB444N.....	L-49
GK1426.....	E-43	GP654CG1.....	E-71	HFB44G30W.....	L-48
GK1429.....	E-43	GO26-1.....	E-49	HFB44G31W.....	L-48
GK1434.....	E-43	GO2626.....	E-49	HFB44G32W.....	L-48
GK1526.....	E-43	GO29-1.....	E-49	HFB44P1.....	L-49
GK1529.....	E-43	GO2929.....	E-49	HFB52P1.....	L-49
GK1626.....	E-43	GRC12.....	E-33	HFB53P1.....	L-49
GK1629.....	E-43	GRC34.....	E-33	HFB54P1.....	L-49
GK1726.....	E-43	GRC58.....	E-33	HFB55P1.....	L-49
GK1729.....	E-43	GRF4C-3.....	E-70	HFB62P1.....	L-49
GK1826.....	E-43	GRF4C-4.....	E-70	HFB63P1.....	L-49
GK1829.....	E-43	GRL3.....	E-33	HFB64P1.....	L-49
GK1926.....	E-43	GRL4.....	E-33	HFB666N.....	L-49
GK1929.....	E-43	GRL5.....	E-33	HIW716ENFKIT2.....	N-109
GK6426.....	E-43	GRL6.....	E-33	HIW716ENFKIT3.....	N-109
GK6429.....	E-43	GROUNDMAX25.....	E-128	HIW716ENFTGKIT.....	N-109
GK6434.....	E-43	GROUNDMAX50.....	E-128	HIW716ENFTGKIT1.....	N-109
GK644C.....	E-43	GROUNDTAB1/2.....	E-18	HIW716MAGKIT1.....	N-110
GKA25.....	E-34	GROUNDTAB3/8.....	E-18	HIW716MAGKIT2.....	N-110
GKA25SB.....	E-34	GSC632NH1B.....	E-67	HIW716MAGKIT3.....	N-110
GKA28.....	E-34	GSC632NH1BCOVER1.....	E-67	HP10.....	N-94
GKA28SB.....	E-34	GSC752N30B.....	E-67	HPS1375LWMAG.....	N-112
GKA4C.....	E-34	GSC752N30B45.....	E-67	HPS1388LWMAG.....	N-112
GKA8C.....	E-34	GSC752N30B90.....	E-67	HS_100FR.....	D-9
GL2626.....	E-62	GSC7530BCOVER.....	E-67	HS_100FR100.....	D-9
GL2929.....	E-62	GSTUD14HY.....	E-24	HS_100T300PF.....	D-6
GL3434.....	E-62	GSTUD34HY.....	E-24	HS_100T48PF.....	D-5
GL4C4C.....	E-62	GSTUD38HY.....	E-24	HS_112FR.....	D-9
GP10.....	N-95	GSTUD916HY.....	E-24	HS_112FR100.....	D-9
GP1126.....	E-42	GX2626.....	E-49	HS_116T300PF.....	D-6
GP1129.....	E-42	GX264C.....	E-49	HS_116T48PF.....	D-5
GP114C.....	E-42	GX2926.....	E-49	HS_12FR.....	D-9
GP1426.....	E-42	GX2929.....	E-49	HS_12FR250.....	D-9
GP1429.....	E-42	GX294C.....	E-49	HS_12T300PF.....	D-6
GP1434.....	E-42	GX3426.....	E-49	HS_12T48PF.....	D-5
GP144C.....	E-42	GX3429.....	E-49	HS_14FR.....	D-9
GP1526.....	E-42	GX3434.....	E-49	HS_14FR250.....	D-9
GP1526G1.....	E-71	GX344C.....	E-49	HS_14T300PF.....	D-6
GP154C.....	E-42	GX4C4C.....	E-49	HS_14T48PF.....	D-5
GP1629.....	E-42	GXP1828RF.....	E-69	HS_150T48PF.....	D-5
GP164C.....	E-42	GZ26-12.....	E-62	HS_18FR.....	D-9
GP1726.....	E-42	GZ26-38.....	E-62	HS_18FR250.....	D-9
GP1726G1.....	E-71	GZ26-58.....	E-62	HS_18T300PF.....	D-6
GP1726RT.....	E-71	GZ29-12.....	E-62	HS_18T48PF.....	D-5
GP1826.....	E-42	GZ29-38.....	E-62	HS_200FR.....	D-9
GP184C.....	E-42	GZ29-58.....	E-62	HS_200FR100.....	D-9
GP2026.....	E-42	GZ4C-12.....	E-62	HS_200T48PF.....	D-5
GP2226.....	E-42	GZ4C-38.....	E-62	HS_316T300PF.....	D-6

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

HS_316T48PF	D-5	HSIC10500FR	D-10	K21A39U2N	A-26
HS_332T300PF	D-6	HSIC200FR	D-10	K22A36U2	A-25
HS_332T48PF	D-5	HSIC301000FR	D-10	K22A36U2N	A-26
HS_34FR	D-9	HSIC350FR	D-10	K22A39U2	A-25
HS_34FR250	D-9	HSIC440FR	D-10	K22A39U2N	A-26
HS_34T300PF	D-6	HSIC81FR	D-10	K2A25U	A-23
HS_34T48PF	D-5	HSKIT	B-83	K2A26U	A-23
HS_38FR	D-9	HSM100T6PF7	D-4	K2A29U	A-23
HS_38FR250	D-9	HSM116T6PF26	D-4	K2A31U	A-23
HS_38T300PF	D-6	HSM12T6PF10	D-4	K2A31U2N	A-23
HS_38T48PF	D-5	HSM14T6PF14	D-4	K2A36U	A-23
HSB100T6PF7	D-4	HSM18T6PF20	D-4	K2A36U2N	A-23
HSB110H48PF5	D-7	HSM316T6PF18	D-4	K2A40U	A-23
HSB110H6PF5	D-7	HSM332T6PF24	D-4	K2A40U2N	A-23
HSB110H9PF5	D-7	HSM34T6PF8	D-4	K2A44U	A-23
HSB11612T6PF14	D-4	HSM38T6PF12	D-4	K2A44U2N	A-23
HSB116T6PF26	D-4	HYA_28	K-48	K2C15	E-30
HSB12T6PF10	D-4	HYA_29	K-48	K2C15B1	E-30
HSB14T6PF14	D-4	HYA_31	K-48	K2C17	E-30
HSB150H12PF3	D-7	HYA_34	K-48	K2C17B1	E-30
HSB150H48PF5	D-7	HYA_39	K-48	K2C20	E-30
HSB150H9PF3	D-7	HYAO_28	K-48	K2C20B1	E-30
HSB18T6PF20	D-4	HYAO_29	K-48	K2C22	E-30
HSB200H12PF2	D-7	HYAO_31	K-48	K2C22B1	E-30
HSB200H48PF2	D-7	HYAO_34	K-48	K2C23	E-30
HSB200H9PF2	D-7	HYAO_39	K-48	K2C23B1	E-30
HSB316T6PF18	D-4	HYFLUIDGAL	N-101	K2C25	E-30
HSB332T6PF24	D-4	HYFLUIDQT	N-101	K2C25B1	E-30
HSB34H48PF5	D-7	HYM_28	K-48	K2C26	E-30
HSB34H6PF10	D-7	HYM_29	K-48	K2C26B1	E-30
HSB34H9PF10	D-7	HYM_31	K-48	K2C28	E-30
HSB34T6PF8	D-4	HYM_34	K-48	K2C28B1	E-30
HSB35H3PF25	D-7	HYM_39	K-48	K2C28G3	E-30
HSB35H48PF5	D-7	HYS_28	K-48	K2C31	E-30
HSB35H6PF25	D-7	HYS_29	K-48	K2C31B1	E-30
HSB38100T6PF8	D-4	HYS_31	K-48	K2C34	E-30
HSB38T6PF12	D-4	HYS_34	K-48	K2C34B1	E-30
HSC100FR	D-8	HYS_39	K-48	K3A25U2	A-24
HSC100FR100	D-8	J1252	H-39	K3A25U4	A-24
HSC112FR	D-8	J278	E-63	K3A26U2N	A-24
HSC112FR100	D-8	J278G1	E-63	K3A27U2N	A-24
HSC12FR	D-8	J279	E-63	K3A27U4N	A-24
HSC12FR250	D-8	J280	E-63	K3A29U2N	A-24
HSC14FR	D-8	J295	E-63	K3A29U4N	A-24
HSC14FR250	D-8	J990	H-39	K3A2U2	A-24
HSC18FR	D-8	K11A30U	A-25	K3A2U4	A-24
HSC18FR250	D-8	K11A34U2	A-25	K3A31U2N	A-24
HSC200FR	D-8	K11A36U2	A-25	K3A31U4N	A-24
HSC200FR100	D-8	K11A36U2N	A-26	K3A36U2N	A-24
HSC34FR	D-8	K11A39U2	A-25	K3A36U4N	A-24
HSC34FR250	D-8	K11A39U2N	A-26	K3A40U4N	A-24
HSC38FR	D-8	K21A36U2	A-25	K4A29U4N	A-25
HSC38FR250	D-8	K21A36U2N	A-26	K4A31U4N	A-25

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

K6A34U8.....	A-27	KC23B1.....	E-30	KPA8C.....	A-12
K6P28.....	K-56	KC25.....	E-30	KPA8CUP.....	A-12
K6P28C.....	K-56	KC25B1.....	E-30	KPB4CG1.....	E-34
K8A34U10.....	A-27		E-30, E-32,	KPC28.....	K-56
KA25.....	A-14	KC26.....	H-42	KPU29A26AC.....	A-31
KA252TC38.....	A-14	KC26B1.....	E-30	KPU29A29AC.....	A-31
KA25U.....	A-22	KC28.....	E-30	KPU34A26AC.....	A-31
KA26U.....	A-22	KC28B1.....	E-30	KPU34A34AC.....	A-31
KA28.....	A-14	KC31.....	E-30	KPU39A39AC.....	A-31
KA29U.....	A-22	KC31B1.....	E-30		A-3, E-32,
KA2U.....	A-22	KC34.....	E-30	KS15.....	H-4
KA30226U.....	A-22	KC34B1.....	E-30		A-3, E-32,
KA30U.....	A-22	KC34J12T13.....	E-32, H-42	KS17.....	H-4
KA31U.....	A-22	KCKF23.....	E-31	KS173.....	A-3, H-4
KA34.....	A-14	KCKF25.....	E-31		A-3, E-32,
KA34U.....	A-22	KCKF28.....	E-31	KS20.....	H-4
KA36229U.....	A-22	KK3A36U2N.....	A-24	KS203.....	A-3, H-4
KA36U.....	A-22	KK3A36U4N.....	A-24		A-3, E-32,
KA36U2N.....	A-22	KK3A40U2N.....	A-24	KS22.....	H-4
KA39230U.....	A-22	KK3A40U4N.....	A-24	KS223.....	A-3, H-4
KA40U.....	A-22	KK3A44U2N.....	A-24		A-3, E-32,
KA40U2N.....	A-22	KK3A44U4N.....	A-24	KS23.....	H-4
KA44U.....	A-22	KK4A36U4N.....	A-25		A-3, E-32,
KA44U2N.....	A-22	KK4A40U4N.....	A-25	KS25.....	H-4
KA4C.....	A-14	KK6A31U8.....	A-27		A-3, E-32,
KA6U.....	A-22	KK6A34U8.....	A-27	KS26.....	H-4
KA8C.....	A-14	KK6A44U12.....	A-27		A-3, E-32,
KAP1/0.....	A-29	KK8A31U10.....	A-27	KS27.....	H-4
KAP250R.....	A-29	KK8A34U10.....	A-27		A-3, E-32,
KAP350.....	A-29	KK8A39U12.....	A-27	KS29.....	H-4
KAP350R.....	A-29	KK8A44U14.....	A-27		A-3, E-32,
KAP500R.....	A-29	KKA31U2N.....	A-22	KS31.....	H-4
KAP750.....	A-29	KLU125.....	A-13		A-3, E-32,
KAPO1/0.....	A-29	KLU125TP.....	A-13	KS34.....	H-4
KAPO250R.....	A-29	KLU175.....	A-13	KS39.....	A-3, H-4
KAPO350.....	A-29	KLU175TP.....	A-13	KS44.....	A-3, H-4
KAPO350R.....	A-29	KLU225.....	A-13	KS90.....	A-3, H-4
KAPO500R.....	A-29	KLU225TP.....	A-13	KSA1/0.....	A-5
KAPO750.....	A-29	KLU25.....	A-13	KSA2.....	A-5
KAUKIT1.....	A-28	KLU25TP.....	A-13	KSA2/0.....	A-5
KAUKIT2.....	A-28	KLU300.....	A-13	KSA350.....	A-5
KAUKIT3.....	A-28	KLU300TP.....	A-13	KSA4.....	A-5
KAUKIT4.....	A-28	KLU35.....	A-13	KSA4/0.....	A-5
KC15.....	E-30	KLU35TP.....	A-13	KSA500.....	A-5
KC15B1.....	E-30	KLU400.....	A-13	KSA6.....	A-5
KC17.....	E-30	KLU400TP.....	A-13	KSU17.....	A-4, H-5
KC17B1.....	E-30	KLU70.....	A-13	KSU20.....	A-4, H-5
KC20.....	E-30	KLU70TP.....	A-13	KSU22.....	A-4, H-5
KC20B1.....	E-30	KPA25.....	A-12	KSU23.....	A-4, H-5
KC22.....	E-30	KPA28.....	A-12	KSU25.....	A-4, H-5
KC22B1.....	E-30	KPA34.....	A-12	KSU26.....	A-4, H-5
KC22J12T13.....	E-32, H-42	KPA4C.....	A-12	KSU27.....	A-4, H-5
KC23.....	E-30	KPA4CUP.....	A-12	KSU29.....	A-4, H-5

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

KSU31.....	A-4, H-5	LF1006.....	K-42	LSC5561.....	H-20
KSU34.....	A-4, H-5	LF1010.....	K-42	LYBASEH.....	K-43
KVS26.....	A-6, H-6	LF1014.....	K-42	LYM1CC.....	K-41
KVS26A.....	A-7, H-8	LF1025.....	K-42	LYM25C.....	K-41
KVS28.....	A-6, H-6	LF2019.....	K-42	LYM26C.....	K-41
KVS28A.....	A-7, H-8	LF2027.....	K-42	LYM27C.....	K-41
KVS31.....	A-6, H-6	LF2038.....	K-42	LYM28C.....	K-41
KVS31A.....	A-7, H-8	LF2065.....	K-42	LYM29C.....	K-41
KVS34.....	A-6, H-6	LF2108.....	K-42	LYM2CC.....	K-41
KVS34A.....	A-7, H-8	LH283.....	L-36	LYM30C.....	K-41
KVS40.....	A-6, H-6	LH343.....	L-36	LYM31C.....	K-41
KVS40A.....	A-7, H-8	LH453.....	L-36	LYM32C.....	K-41
KVS44.....	A-6, H-6	LHR293.....	L-36	LYM34C.....	K-41
KVS44A.....	A-7, H-8	LHR443.....	L-36	LYM34P3.....	K-45
KVSU26.....	A-6, H-7	LHR445.....	L-36	LYS1CC.....	K-40
KVSU28.....	A-6, H-7	LOOM100.....	G-32	LYS1CP5.....	K-44
KVSU31.....	A-6, H-7	LOOM150.....	G-32	LYS25C.....	K-40
KVSU34.....	A-6, H-7	LOOM200.....	G-32	LYS25P5.....	K-44
KVSU40.....	A-6, H-7	LOOM75.....	G-32	LYS26C.....	K-40
KVSU44.....	A-6, H-7	LPC12S.....	N-113	LYS26P5.....	K-44
KVSW26.....	A-7, H-6	LPHTADPMM71612.....	N-110, N-113	LYS27C.....	K-40
KVSW28.....	A-7, H-6		N-109,	LYS27P5.....	K-44
KVSW31.....	A-7, H-6	LPHTADPMMOP66.....	N-110, N-113	LYS28C.....	K-40
KVSW34.....	A-7, H-6		N-109,	LYS28P5.....	K-44
KVSW40.....	A-7, H-6	LPHTADPSMFOP66.....	N-110, N-111	LYS29C.....	K-40
KVSW44.....	A-7, H-6	LPHTADPSMFOP66.....	N-110, N-111	LYS29P5.....	K-44
LB13A.....	L-39	LPHTBIT111618D.....	N-108	LYS2CC.....	K-40
LB14A.....	L-39	LPHTBIT111624D.....	N-108	LYS2CP5.....	K-44
LB15A.....	L-39	LPHTBIT131618D.....	N-108	LYS30C.....	K-40
LB16A.....	L-39	LPHTBIT131624D.....	N-108	LYS30P5.....	K-44
LB17A.....	L-39	LPHTBIT151618D.....	N-108	LYS31C.....	K-40
LB18A.....	L-39	LPHTBIT151624D.....	N-108	LYS31P5.....	K-44
LB19A.....	L-39	LPHTBIT5818D.....	N-108	LYS32C.....	K-40
LB20A.....	L-39	LPHTBIT91618D.....	N-108	LYS32P5.....	K-44
LB21A.....	L-39	LPHTDRIPBODY66.....	N-113	LYS32P6.....	K-45
LB22A.....	L-39	LPHTDRIPNOSE66.....	N-113	LYS34C.....	K-40
LB23A.....	L-39		N-109,	LYS34P2.....	K-43
LB24A.....	L-39	LPHTHOSNCR666610.....	N-110, N-113	LYS34P5.....	K-44
LB53A.....	L-39	LPHTHOSNCR666610OP.....	N-111, N-113	LYS48P6.....	K-45
LB54A.....	L-39		N-109,	LYS4CC.....	K-40
LB55A.....	L-39		N-110, N-111,	LYS4CP5.....	K-44
LB56A.....	L-39	LPHTHOSNCR66668.....	N-113	LYS64P6.....	K-45
LB57A.....	L-39	LPHTHOSNCR66668OP.....	N-111, N-113	LYS6CP5.....	K-44
LB58A.....	L-39		N-109,	LYS80P6.....	K-45
LB59A.....	L-39	LPHTHTMABODY66.....	N-110, N-111	M20.....	H-73
LB83A.....	L-39	LPHTHTMADJUSTCAPF.....	N-113	M30.....	H-73
LB86A.....	L-39	LPHTHTMADJUSTCAPM.....	N-113	M40.....	H-73
LB88A.....	L-39		N-109,	M50.....	H-73
LB90A.....	L-39	LPHTHTMANOSE66.....	N-110, N-111	M60.....	H-73
LB91A.....	L-39	LPHY750XT.....	N-111	M70.....	H-73
LB92A.....	L-39	LSC1/0.....	H-20	M80.....	H-73
LB94A.....	L-39	LSC1/01.....	H-20	M8ND.....	N-46
LB96A.....	L-39	LSC556.....	H-20	M90.....	H-73

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

MCC1000	N-86	N2AH4444N	L-15	NAR29A2N	L-20
MCC1000BLADESET	N-86	N2AH4444NHQ	L-15	NAR29A4N	L-20
MCC600	N-86	N2AH4644N	L-15	NAR32A2N	L-20
MCC600BLADESET	N-86	N2AH4844N	L-15	NAR32A4N	L-20
MD6	N-51	NA122N	L-13	NAR36A2N	L-20
MD612	N-51	NA132N	L-13	NAR36A4N	L-20
MD614	N-51	NA142N	L-13	NAR42A2N	L-20
MD637	N-51	NA144N	L-13	NAR42A4N	L-20
MD638	N-51	NA152N	L-13	NAR45A2N	L-20
MD64	N-51	NA154N	L-13	NAR45A4N	L-20
MD66	N-51	NA15A2N	L-24	NAR46A2N	L-20
MD68	N-51	NA15A4N	L-24	NAR46A4N	L-20
MD6CP1	N-99	NA162N	L-13	NAR48A2N	L-20
MD7	N-52	NA164N	L-13	NAR48A4N	L-20
MD734	N-53	NA16A2N	L-24	NAS292N	L-12
MD734KIT1	N-53	NA172N	L-13	NAS2934N	L-12
MD734R	N-53	NA1744NHQ	L-13	NAS29N	L-12
MD734RC	N-53	NA174N	L-13	NAS342N	L-12
MD734RKIT1	N-53	NA17A2N	L-24	NAS3434N	L-12
MD76	N-52	NA17A4N	L-24	NAS34N	L-12
MD78	N-52	NA182N	L-13	NAS40-2N	L-12
MR15	N-41	NA184N	L-13	NAS4034N	L-12
MR15DIESETD1	N-41	NA18A2N	L-24	NAS4044N	L-12
MR18	N-41	NA18A4N	L-24	NBC14A2N	L-21
MR18DIESETD1	N-41	NA1944N	L-13	NBC15A2N	L-21
MR20	N-41	NA1944NHQ	L-13	NBC15A34N	L-21
MR20DIESETD1	N-41	NA194N	L-13	NBC16A2N	L-21
MR4C	N-42	NA194N90CG2	L-13	NBC16A34N	L-21
MR81A	N-39	NA19A4N	L-24	NBC16A44N	L-21
MR833S1	N-39	NA204N	L-13	NBC17A2N	L-21
MR89Q	N-39	NA20A4N	L-24	NBC17A34N	L-21
MR8G96	N-39	NA214N	L-13	NBC17A44N	L-21
MR8G98	N-39	NA224N	L-13	NBC18A2N	L-21
MRC840	N-47	NA22A4N	L-24	NBC18A34N	L-21
MRC840AL	N-47	NAH292N	L-14	NBC18A44N	L-21
MRE1022B	N-40	NAH2934N	L-14	NBC19A34N	L-21
MRE1022NV	N-40	NAH342N	L-14	NBC19A44N	L-21
MY28	N-48	NAH3434N	L-14	NBC20A2N	L-21
MY284	N-48	NAH402N	L-14	NBC20A34N	L-21
MY286	N-48	NAH4034N	L-14	NBC20A44N	L-21
MY2911	N-48	NAH4044N	L-14	NBC21A44N	L-21
MY2911C	N-48	NAH442N	L-14	NBC22A2N	L-21
MY293	N-48	NAH4434N	L-14	NBC22A34N	L-21
MY293C	N-48	NAH4444N	L-14	NBC22A44N	L-21
MY293CF	N-48	NAH462N	L-14	NBC24A2N	L-21
MY29UNIVERSALKIT	N-48	NAH4634N	L-14	NBC24A34N	L-21
N2AH292N	L-15	NAH4644N	L-14	NBC24A44N	L-21
N2AH2934N	L-15	NAH482N	L-14	NBC86A44N	L-21
N2AH342N	L-15	NAH4834N	L-14	NBXR1534NHQ	L-11
N2AH3434N	L-15	NAH4844N	L-14	NBXR1544NHQ	L-11
N2AH3444N	L-15	NAH4862N	L-14	NBXR15CG1	L-11
N2AH4034N	L-15	NAH48634N	L-14	NDR6328T13	L-40
N2AH4434N	L-15	NAR25A2N	L-20	NDR6334T13	L-40

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

NDR6428T16.....	L-40	NNT19A19A.....	L-32	NS2121.....	L-25
NDR6434T12.....	L-40	NNT20A20A.....	L-32	NS2121HC.....	L-25
NDR6434T16.....	L-40	NNT21A20A.....	L-32	NS21A21A.....	L-27
NDR6444T16.....	L-40	NNT22A22A.....	L-32	NS2222.....	L-25
NDR64534T14.....	L-40	NNTR14A29A.....	L-34	NS2222HC.....	L-25
NDR6528T14.....	L-40	NNTR15A36A.....	L-34	NS22A22A.....	L-27
NDR6534T12.....	L-40	NNTR15A42A.....	L-34	NS23A23A.....	L-27
NDR6534T14.....	L-40	NNTR16A29A.....	L-34	NS24A24A.....	L-27
NDR6544T14.....	L-40	NNTR16A32A.....	L-34	NS86A86A.....	L-27
NDR65528T12.....	L-40	NNTR16A42A.....	L-34	NSNT1329.....	L-29
NDR65534T12.....	L-40	NNTR17A29A.....	L-34	NSNT1429.....	L-29
NDR65544T12.....	L-40	NNTR18A29A.....	L-34	NSNT1434.....	L-29
NDR6748T12.....	L-40	NNTR19A42A.....	L-34	NSNT1529.....	L-29
NDR67544T12.....	L-40	NNTR20A32A.....	L-34	NSNT1629.....	L-29
NDR67548T12.....	L-40	NNTR22A46A.....	L-34	NSNT2929.....	L-29
NDR6844T12.....	L-40	NNTR29A29A.....	L-33	NSNT3429.....	L-29
NDR6848T12.....	L-40	NNTR32A25A.....	L-33	NSNT3434.....	L-29
NDR68544T12.....	L-40	NNTR32A32A.....	L-33	NT1313.....	L-28
NFXR15.....	L-47	NNTR36A29A.....	L-33	NT1413.....	L-28
NFXR15CG20.....	L-47	NNTR36A36A.....	L-33	NT1414.....	L-28
NFXR15CG24.....	L-47	NNTR42A32A.....	L-33	NT1514.....	L-28
NFXR15CG7.....	L-47	NNTR42A36A.....	L-33	NT1515.....	L-28
NFXR15HQ.....	L-47	NNTR42A42A.....	L-33	NT1614.....	L-28
NHNT1429.....	L-30	NNTR45A45A.....	L-33	NT1615.....	L-28
NHNT1434.....	L-30	NNTR46A42A.....	L-33	NT1616.....	L-28
NHNT1529.....	L-30	NNTR46A46A.....	L-33	NT1714.....	L-28
NHNT1534.....	L-30	NNTR48A48A.....	L-33	NT1715.....	L-28
NHNT1540.....	L-30	NS1212.....	L-25	NT1717.....	L-28
NHNT1629.....	L-30	NS1313.....	L-25	NT1816.....	L-28
NHNT1634.....	L-30	NS14148HC.....	L-25	NT1817.....	L-28
NHNT1640.....	L-30	NS1414HC.....	L-25	NT1818.....	L-28
NHNT1644.....	L-30	NS14A14A.....	L-27	NT1919.....	L-28
NHNT1729.....	L-30	NS1515.....	L-25	NT2020.....	L-28
NHNT1734.....	L-30	NS1515HC.....	L-25	NT2121.....	L-28
NHNT1740.....	L-30	NS1515HCHQ.....	L-25	NT2222.....	L-28
NHNT1744.....	L-30	NS15A15A.....	L-27	NYFT3434CCP.....	K-39
NHNT1829.....	L-30	NS1616HC.....	L-25	NYFT3434CCR.....	K-39
NHNT1834.....	L-30	NS16A16A.....	L-27	NYT2825.....	K-46
NHNT1840.....	L-30	NS1717.....	L-25	NYT2826.....	K-46
NHNT1844.....	L-30	NS1717HC.....	L-25	NYT2828.....	K-46
NHNT1846.....	L-30	NS1717HCHQ.....	L-25	NYT282C.....	K-46
NHNT1929.....	L-30	NS17A17A.....	L-27	NYT2925.....	K-46
NHNT1934.....	L-30	NS1818.....	L-25	NYT2926.....	K-46
NHNT1940.....	L-30	NS1818CG2.....	L-25	NYT2928.....	K-46
NHNT1944.....	L-30	NS1818HC.....	L-25	NYT2929.....	K-46
NHNT1946.....	L-30	NS18A18A.....	L-27	NYT292C.....	K-46
NHNT2040.....	L-30	NS1919.....	L-25	NYT3125.....	K-46
NHNT2044.....	L-30	NS1919HC.....	L-25	NYT3126.....	K-46
NHNT2229.....	L-30	NS1919HCHQ.....	L-25	NYT3128.....	K-46
NNT15A15A.....	L-32	NS19A19A.....	L-27	NYT3129.....	K-46
NNT16A16A.....	L-32	NS2020.....	L-25	NYT3131.....	K-46
NNT17A17A.....	L-32	NS2020HC.....	L-25	NYT3426.....	K-46
NNT18A18A.....	L-32	NS20A20A.....	L-27	NYT3428.....	K-46

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

NYT3429.....	K-46	PAT500SJ66LI.....	N-16	PATCUT245L5PB.....	N-71
NYT3431.....	K-46	PAT500SJ68L5.....	N-16	PATCUT245LI.....	N-71
NYT3434.....	K-46	PAT500SJ68LI.....	N-16	PATCUT245LIPB.....	N-71
NYT3926.....	K-46	PAT500SJ68LICUTKIT1.....	N-16, N-72	PATCUT4CUALLI.....	N-68
NYT3928.....	K-46	PAT500SJ6L5.....	N-16	PATCUT4L5.....	N-68
NYT3929.....	K-46	PAT500SJ6LI.....	N-16	PATCUT954HS82LCB.....	N-77
NYT3931.....	K-46	PAT500SJ6LICUTKIT1.....	N-16, N-72	PATCUT954HS82LI.....	N-77
NYT3934.....	K-46	PAT500SJCUTL5.....	N-72	PATCUT954HS94L5.....	N-77
NYT3939.....	K-46	PAT500SJCUTLI.....	N-72	PATCUT954HS94LI.....	N-77
NYT4426.....	K-46	PAT600L5.....	N-15	PATMD16003A1.....	N-76
NYT4428.....	K-46	PAT600L5PB.....	N-15	PATMD16005A1.....	N-76
NYT4429.....	K-46	PAT600LI.....	N-15	PATMD26003A1.....	N-76
NYT4431.....	K-46	PAT600LIPB.....	N-15	PATMD26005A1.....	N-76
NYT4434.....	K-46	PAT644L5.....	N-12	PATMD36003A1.....	N-76
NYT4439.....	K-46	PAT644L5PB.....	N-12	PATMD36005A1.....	N-76
NYT4444.....	K-46	PAT644LI.....	N-12		N-16, N-17,
NYT4628.....	K-46	PAT644LIPB.....	N-12	PATMD430LWJAW.....	N-72, N-73
NYT4629.....	K-46	PAT750CL5.....	N-10	PATMD60003A1.....	N-73
NYT4631.....	K-46	PAT750CL5PB.....	N-10	PATMD60005A1.....	N-73
NYT4634.....	K-46	PAT750CLI.....	N-10	PATMD6682ALLIF.....	N-78
NYT4639.....	K-46	PAT750CLIPB.....	N-10	PATMD6682ALLIFWCJ.....	N-78
NYT4644.....	K-46	PAT750L5.....	N-10	PATMD66LW.....	N-17
NYT4646.....	K-46	PAT750L5PB.....	N-10	PATMD66LW5.....	N-17
OEM175TFM.....	N-55	PAT750LI.....	N-10	PATMD66LW5WCCJ.....	N-75
OEM840NCP.....	N-54	PAT750LIPB.....	N-10	PATMD66LW5WCJ.....	N-74
OH25.....	N-49	PAT750T3C03A2.....	N-7		N-16, N-17,
OUR840.....	N-50	PAT750T3C03A3.....	N-7		N-72, N-73,
OUR840WC.....	N-50	PAT750T3C05A2.....	N-7		N-74, N-75,
	N-5, N-8,	PAT750T3C05A3.....	N-7	PATMD66LWJAW.....	N-76, N-78
	N-9, N-25,	PAT750T3U03A2.....	N-7	PATMD66LWJWCVR.....	N-16, N-72
P15K.....	N-26	PAT750T3U03A3.....	N-7	PATMD66LWCCJ.....	N-75
P8A.....	F-5	PAT750T3U05A2.....	N-7	PATMD66LWWCJ.....	N-74
PAT444SL5.....	N-11	PAT750T3U05A3.....	N-7	PATMD682ALLIF.....	N-78
PAT444SL5PB.....	N-11	PAT81KFTL5.....	N-13	PATMD682ALLIFWCJ.....	N-78
PAT444SLI.....	N-11	PAT81KFTL5PB.....	N-13	PATMD6882ALLIF.....	N-78
PAT444SLIPB.....	N-11	PAT81KFTLI.....	N-13	PATMD6882ALLIFWCJ.....	N-78
PAT46CLWLSL5.....	N-8	PAT81KFTLIPB.....	N-13	PATMD68LW.....	N-17
PAT46CLWLSL5PB.....	N-8	PATCASELI.....	N-5	PATMD68LW5.....	N-17
PAT46CLWLSLI.....	N-8	PATCHGRLI.....	N-5	PATMD68LW5WCCJ.....	N-75
PAT46CLWLSLIPB.....	N-8	PATCHGRLLIDC.....	N-5	PATMD68LW5WCJ.....	N-74
PAT46LWL5.....	N-9	PATCUT129L5.....	N-70		N-16, N-17,
PAT46LWL5PB.....	N-9	PATCUT129L5PB.....	N-70		N-72, N-73,
PAT46LWLI.....	N-9	PATCUT129LI.....	N-70		N-74, N-75,
PAT46LWLIPB.....	N-9	PATCUT129LIPB.....	N-70	PATMD68LWJAW.....	N-76, N-78
PAT46LWLSL5.....	N-8	PATCUT1500L5.....	N-79	PATMD68LWCCJ.....	N-75
PAT46LWLSL5PB.....	N-8	PATCUT1500L5PB.....	N-79	PATMD68LWWCJ.....	N-74
PAT46LWLSLI.....	N-8	PATCUT1500LI.....	N-79	PATMD6LW.....	N-17
PAT46LWLSLIPB.....	N-8	PATCUT1500LIPB.....	N-79	PATMD6LW5.....	N-17
PAT4PC834L5.....	N-14	PATCUT2156L5.....	N-69	PATMD6LW5WCCJ.....	N-75
PAT4PC834L5PB.....	N-14	PATCUT2156L5PB.....	N-69	PATMD6LW5WCJ.....	N-74
PAT4PC834LI.....	N-14	PATCUT2156LI.....	N-69		N-16, N-17,
PAT4PC834LIPB.....	N-14	PATCUT2156LIPB.....	N-69		N-72, N-73,
PAT500SJ66L5.....	N-16	PATCUT245L5.....	N-71		N-74, N-75,

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

PATMD6LWJAW.....	N-76, N-78	PENHT8.....	F-5	PT11018.....	N-98
PATMD6LWJWCVR.....	N-16, N-72	PENHT8BLB.....	F-5	PT208620.....	N-5
PATMD6LWWCCJ.....	N-75	PENHTGAL.....	F-5	PT212851.....	N-23
PATMD6LWWCJ.....	N-74	PG1025X03D.....	B-69	PT290741.....	N-98
PATMD70003A1.....	N-17	PG1211.....	N-42	PT29091.....	N-98
PATMD70005A1.....	N-17	PG1251.....	N-42	PT292141.....	N-98
PATMD80003A1.....	N-17	PG1331.....	N-42	PT292792.....	N-19
PATMD80005A1.....	N-17	PG1425X03D.....	B-69	PT292792.....	N-102
PATMDCUT82ALLIF.....	N-78	PG1825X03D.....	B-69	PT29360.....	N-101
PATMDCUTACSRKIT.....	N-73, N-74	PG3951.....	N-38	PT294021.....	N-28, N-101
PATMDCUTCLW.....	N-73	PG3961.....	N-38	PT29413.....	N-29
PATMDCUTCLW5.....	N-73	PG3971.....	N-38	PT2972.....	N-19, N-101
	N-16, N-17,	PG3981.....	N-38	PT2990010.....	N-96
	N-72, N-73,	PG4031R.....	N-40	PT2990015.....	N-96
PATMDCUTCLWJAW.....	N-75, N-78	PG4032R.....	N-40	PT2990025.....	N-96
PATMDCUTCJALKIT.....	N-73, N-75	PG4061.....	N-40	PT2990110.....	N-96
	N-16, N-17,	PG4071.....	N-40	PT2990115.....	N-96
	N-72, N-73,	PG4081.....	N-40	PT2990125.....	N-96
PATMDCUTGLWJAW.....	N-76, N-78	PG4091.....	N-44	PT2990210.....	N-96
PATMDCUTGUYKIT.....	N-73, N-76	PG4092.....	N-44	PT30250.....	N-34
PATMDCUTLW.....	N-73	PG4093.....	N-44	PT4583.....	N-49, N-50
PATMDCUTLW5.....	N-73	PG4094.....	N-44	PT4925.....	N-53, N-99
	N-16, N-17,	PG4095.....	N-44	PT49311.....	N-99
	N-72, N-73,	PG4096.....	N-44	PT49521.....	N-53, N-99
PATMDCUTLWJAW.....	N-74, N-78	PGHS1425X03D.....	B-69	PT50024605.....	N-54
	N-16, N-17,	PGHS1825X03D.....	B-69	PT50024683.....	N-54
	N-72, N-73,	PGN1025X03B.....	B-70	PT50024685.....	N-54
PATMDXPJLWJAW.....	N-72, N-73	PGN1025X03D.....	B-70	PT6515.....	N-27
PATPROBAG.....	N-5	PGN1425X03B.....	B-70	PT6545.....	N-27, N-101
PENA1/2.....	F-5	PGN1425X03D.....	B-70	PT6733.....	N-99
PENA134.....	F-5	PGN1825X03B.....	B-70	PT6744.....	N-99
PENA1355GAL.....	F-5	PGN1825X03D.....	B-70	PT76.....	N-97
PENA135GAL.....	F-5	PGP1025X03B.....	B-70	PT8504.....	N-49
PENA138.....	F-5	PGP1025X03D.....	B-70	PT91.....	N-97
PENA138BLB.....	F-5	PGP1425X03B.....	B-70	PT93.....	N-98
PENA13CARTRIDGE.....	F-5	PGP1425X03D.....	B-70	PT94.....	N-98
PENA13GAL.....	F-5	PGP1825X03B.....	B-70	PT9711.....	N-91
PENA13QT.....	F-5	PGP1825X03D.....	B-70	PTV10.....	B-73
PENA4.....	F-5	PT10024162.....	N-18, N-80	PTV14.....	B-73
PENA55GAL.....	F-5		N-70, N-80,	PTV18.....	B-73
PENA5GAL.....	F-5	PT10037384.....	N-83	PU998.....	N-64
PENA8BLB.....	F-5		N-70, N-80,	PUADP1.....	N-5
PENA8BLB.....	F-5		N-83	Q10F11X02D.....	B-63
PENACARTRIDGE.....	F-5	PT10037388.....	N-83	Q10F18X02D.....	B-63
PENAGAL.....	F-5	PT10038657.....	N-71, N-84	Q10F25X03B.....	B-63
PENAQT.....	F-5	PT10040663.....	N-71, N-84	Q10F25X03D.....	B-63
PENE4.....	F-5	PT10043890.....	N-83	Q10M25X03D.....	B-63
PENE55GAL.....	F-5	PT10050733.....	N-21, N-22	Q14F11X02B.....	B-63
PENE5GAL.....	F-5		N-25, N-26,	Q14F11X02D.....	B-63
PENE8.....	F-5		N-28, N-30,	Q14F18X02B.....	B-63
PENE8BLB.....	F-5		N-31, N-32,	Q14F18X02D.....	B-63
PENEGAL.....	F-5		N-82, N-84	Q14F18X02D.....	B-63
PENEQT.....	F-5	PT10054094.....	N-82, N-84	Q14F25X03B.....	B-63
PENHT1LB.....	F-5	PT10074020.....	N-5	Q14F25X03D.....	B-63
PENHT4.....	F-5	PT10128.....	N-101		

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

Q14M18X02B.....	B-63	QA40B.....	A-15	QGFL44B1.....	L-46
Q14M18X02D.....	B-63	QA442N.....	A-15		A-10, E-60,
Q14M25X03B.....	B-63	QA444N.....	A-15	QGFL44B1T6.....	L-46
Q14M25X03D.....	B-63	QA44B.....	A-15	QGFL44G3.....	L-46
Q18F11X02D.....	B-63	QA462N.....	A-15		A-10, E-60,
Q18F18X02B.....	B-63	QA46B.....	A-15	QGFL46B1.....	L-46
Q18F18X02D.....	B-63	QA4C2B.....	A-15		A-10, E-60,
Q18F25X03B.....	B-63	QA4CB.....	A-15	QGFL46B1T6.....	L-46
Q18F25X03D.....	B-63	QA8C2B.....	A-15		A-10, E-60,
Q18M11X02D.....	B-63	QA8CB.....	A-15	QGFL48B1.....	L-46
Q18M18X02B.....	B-63	QB1C.....	A-17	QIKSTIK.....	E-104
Q18M18X02D.....	B-63	QB26.....	A-17	QN10F18X02B.....	B-65
Q18M25X03B.....	B-63	QB28.....	A-17	QN10F18X02D.....	B-65
Q18M25X03D.....	B-63	QB312N.....	A-17	QN10F25X03B.....	B-65
Q2A1C2.....	A-16	QB4C.....	A-17	QN10F25X03D.....	B-65
Q2A262N.....	A-16	QB8C.....	A-17	QN10M25X03D.....	B-65
Q2A282N.....	A-16	QDA1C.....	A-18	QN14F11X02B.....	B-65
Q2A284N.....	A-16	QDA26.....	A-18	QN14F11X02D.....	B-65
Q2A312N.....	A-16	QDA28.....	A-18	QN14F18X02B.....	B-65
Q2A314N.....	A-16	QDA31.....	A-18	QN14F18X02D.....	B-65
Q2A342N.....	A-16	QDA34.....	A-18	QN14F25X03B.....	B-65
Q2A344N.....	A-16	QDA40.....	A-18	QN14F25X03D.....	B-65
Q2A402N.....	A-16	QDA4C.....	A-18	QN14M18X02B.....	B-65
Q2A404N.....	A-16	QDA8C.....	A-18	QN14M18X02D.....	B-65
Q2A444N.....	A-16		A-10, E-60,	QN14M25X03B.....	B-65
Q2A464N.....	A-16	QGFL1CB1.....	L-46	QN14M25X03D.....	B-65
Q2B282N.....	A-17		A-10, E-60,	QN18F11X02B.....	B-65
Q2B312N.....	A-17	QGFL1CB1T6.....	L-46	QN18F11X02D.....	B-65
Q2B404N.....	A-17		A-10, E-60,	QN18F18X02B.....	B-65
Q3A282N.....	A-16	QGFL26B1.....	L-46	QN18F18X02D.....	B-65
Q3A284N.....	A-16		A-10, E-60,	QN18F25X03B.....	B-65
Q3A312N.....	A-16	QGFL26B1T6.....	L-46	QN18F25X03D.....	B-65
Q3A314N.....	A-16		A-10, E-60,	QN18M18X02B.....	B-65
Q3A342N.....	A-16	QGFL26B2.....	L-46	QN18M18X02D.....	B-65
Q3A344N.....	A-16		A-10, E-60,	QN18M25X03B.....	B-65
Q3A404N.....	A-16	QGFL26B2T6.....	L-46	QN18M25X03D.....	B-65
Q3A444N.....	A-16		A-10, E-60,	QP10F18X02B.....	B-64
Q3A464N.....	A-16	QGFL29B1.....	L-46	QP10F18X02D.....	B-64
QA1C2B.....	A-15		A-10, E-60,	QP10F25X03B.....	B-64
QA1CB.....	A-15	QGFL29B1T6.....	L-46	QP10F25X03D.....	B-64
QA262B.....	A-15		A-10, E-60,	QP10F38X05D.....	B-64
QA26B.....	A-15	QGFL31B1.....	L-46	QP10M25X03D.....	B-64
QA282B.....	A-15		A-10, E-60,	QP14F11X02D.....	B-64
QA282N.....	A-15	QGFL31B1T6.....	L-46	QP14F18X02B.....	B-64
QA28B.....	A-15		A-10, E-60,	QP14F18X02D.....	B-64
QA312B.....	A-15	QGFL34B1.....	L-46	QP14F25X03B.....	B-64
QA312N.....	A-15		A-10, E-60,	QP14F25X03D.....	B-64
QA31B.....	A-15	QGFL34B1T6.....	L-46	QP14M11X02D.....	B-64
QA342B.....	A-15		A-10, E-60,	QP14M18X02B.....	B-64
QA342N.....	A-15	QGFL39B1.....	L-46	QP14M18X02D.....	B-64
QA344B.....	A-15		A-10, E-60,	QP14M25X03B.....	B-64
QA34B.....	A-15	QGFL39B1T6.....	L-46	QP14M25X03D.....	B-64
QA402N.....	A-15		A-10, E-60,	QP18F11X02D.....	B-64

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

QP18F18X02B.....	B-64	RCC556.....	N-88	S2GBP445A12.....	I-26
QP18F18X02D.....	B-64	RCC600E.....	N-87	S2GBP44A.....	I-26
QP18F25X03B.....	B-64	RCC750HD.....	N-87	S2GBP44A12.....	I-26
QP18F25X03D.....	B-64	RCC954ACSR1K.....	N-88	S2GBP451ASG1HT.....	I-30
QP18M11X02D.....	B-64	RDM428.....	K-49	S2GBP451ASG4.....	I-30
QP18M18X02B.....	B-64	RDM628.....	K-49	S2GBP45A.....	I-26
QP18M18X02D.....	B-64	RDM828.....	K-49	S2GBP45A12.....	I-26
QP18M25X03B.....	B-64	RDMD42858D.....	K-49	S2GBP463ASG1HT.....	I-30
QP18M25X03D.....	B-64	RGC39G1.....	E-63	S2GBP463ASG6.....	I-30
QPX2828.....	A-8, H-14	RGC44G1.....	E-63	S2GBP46A.....	I-27
QPX2828Y.....	A-9	RHCC129ACSR.....	N-83	S2GBP46A12.....	I-27
QPX282C.....	A-8, H-14	RHCC2156ACSR.....	N-82	S2GBP47ASG1.....	I-30
QPX282CY.....	A-9	RHCC2156ACSRF.....	N-82	S2GBP47ASG2HT.....	I-30
QPX2C2C.....	A-8, H-14	RHCC245CUAL.....	N-84	S2GBP483A.....	I-27
QPX2C2CY.....	A-9	RHCC4CUAL.....	N-81	S2GBP483A12.....	I-27
QPX3428.....	A-8, H-14	RHCC4CUALBLD.....	N-81	S2GBP486A.....	I-27
QPX3428Y.....	A-9	RHCC4CUALGDEBLD.....	N-81	S2GBP486A12.....	I-27
QPX342C.....	A-8, H-14	RK1412.....	B-84	S2GBP48A.....	I-27
QPX342CY.....	A-9	RK1422.....	B-84	S2GBP48A12.....	I-27
QPX3434.....	A-8, H-14	RK1942.....	F-14, N-103	S2GBP48ASG1HT.....	I-30
QPX3434Y.....	A-9	RPC701302.....	N-87	S2GBP48ASG2.....	I-30
QPX4428.....	A-8, H-14	RPC701402.....	N-87	S2GBP51ASG1.....	I-30
QPX442C.....	A-8, H-14	RPC705501.....	N-88	S2GBP51ASG2HT.....	I-30
QPX4434.....	A-8, H-14	RPC705601.....	N-88	S2GBP521ASG1.....	I-30
QPX4444.....	A-8, H-14	RPC902201.....	N-88	S2GBP521ASG2HT.....	I-30
QPX4444Y.....	A-9	RWRC516.....	N-89	S2GBP52ASG1.....	I-30
QQA1C.....	A-15	RWRC916.....	N-89	S2GBP52ASG2HT.....	I-30
QQA1C2.....	A-15	RYA25UC.....	K-50	S2GBP54ASG1.....	I-30
QQA26.....	A-15	RYA25UCR.....	K-50	S2GBP54ASG2HT.....	I-30
QQA262.....	A-15	RYA26UC.....	K-50	S2GBPA41A.....	I-26
QQA28.....	A-15	RYA26UCR.....	K-50	S2GBPA41A12.....	I-26
QQA282N.....	A-15	RYA27UC.....	K-50	S2GBPA445A.....	I-26
QQA31.....	A-15	RYA27UCR.....	K-50	S2GBPA445A12.....	I-26
QQA312N.....	A-15	RYA28UC.....	K-50	S2GBPA44A.....	I-26
QQA34.....	A-15	RYA28UCR.....	K-50	S2GBPA44A12.....	I-26
QQA342N.....	A-15	RYA29UC.....	K-50	S2GBPA45A.....	I-26
QQA402N.....	A-15	RYA29UCR.....	K-50	S2GBPA45A12.....	I-26
QQA404N.....	A-15	RYA2UC.....	K-50	S2GBPA46A.....	I-27
QQA442N.....	A-15	RYA2UCR.....	K-50	S2GBPA46A12.....	I-27
QQA444N.....	A-15	RYA2WAC.....	K-50	S2GBPA483A.....	I-27
QQA4C2.....	A-15	RYA2WACR.....	K-50	S2GBPA483A12.....	I-27
QQA8C.....	A-15	RYA31AC.....	K-50	S2GBPA486A.....	I-27
QR1C.....	A-18	RYA31ACR.....	K-50	S2GBPA486A12.....	I-27
QR26.....	A-18	RYA4UC.....	K-50	S2GBPA48A.....	I-27
QR28.....	A-18	RYA4UCR.....	K-50	S2GBPA48A12.....	I-27
QR31.....	A-18	RYA75AC.....	K-50	S2GGBP445A12.....	L-45
QR34.....	A-18	RYA75ACR.....	K-50	S2GGBP486A.....	L-45
QR40.....	A-18	RYAC25.....	K-50, K-51	S2GGBP486A9.....	L-45
QR4C.....	A-18	RYAC31.....	K-50, K-51	S2GGBP48A.....	L-45
RA6UCRSL.....	K-49	RYAC311.....	K-51	S2GGBP48A12.....	L-45
RA6UCSL.....	K-49	S2GBP41A.....	I-26	S3D451R25MX1.....	I-29
RCC1000.....	N-87	S2GBP41A12.....	I-26	S3D451RMX1.....	I-29
RCC336.....	N-88	S2GBP445A.....	I-26	S3D48R25MX1.....	I-29

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

S3D48RMX1.....	I-29	SH2GBP48A5.....	I-27	SWA486A44N.....	M-8
S3D55R25MX1.....	I-29	SH2GBP48A512.....	I-27	SWA486A44N.....	M-8
S3D55RMX1.....	I-29	SN10.....	B-54	SWA486A66N.....	M-8
S3D56RMX1.....	I-29	SN10B.....	B-55	SWA48A44N.....	M-8
S3D59R25MX1.....	I-29	SN14.....	B-54	SWA493R4N.....	M-8
S3GBP41A.....	I-28	SN14B.....	B-55	SWA54R44N.....	M-8
S3GBP445A.....	I-28	SN18.....	B-54	SWA58A2N.....	M-10
S3GBP44A.....	I-28	SN18B.....	B-55	SWA58A34N.....	M-10
S3GBP45A.....	I-28	SN2A445A4N.....	L-22	SWA58A44N.....	M-10
S3GBP46A.....	I-28	SN2A44A44N.....	L-22	SWA58R44N.....	M-8
S3GBP483A.....	I-28	SN2A44A4N.....	L-22	SWA59A2N.....	M-10
S3GBP486A.....	I-28	SN2A45A44N.....	L-22	SWA59A34N.....	M-10
S3GBP48A.....	I-28	SN2A45A4N.....	L-22	SWA59A44N.....	M-10
S4D451RMX1.....	I-29	SN2A48A44N.....	L-22	SWA86A44N.....	M-10
S4D48RMX1.....	I-29	SN2A48A4NGS.....	L-22	SWA90A2N.....	M-10
S4D55RMX1.....	I-29	SP10.....	B-53	SWA90A34N.....	M-10
SB232TC14.....	E-58	SP14.....	B-53	SWA90A44N.....	M-10
SB232TC38.....	E-58	SP16.....	B-53	SWA91A34N.....	M-10
SB23U.....	E-58	STKIT08.....	B-81	SWA91A44N.....	M-10
SB252TC14.....	E-58	STKIT15.....	B-81	SWA92A44N.....	M-10
SB252TC38.....	E-58	STKIT1601Y1022.....	B-82	SWA93A44N.....	M-10
SB25U.....	E-58	STKIT1602MRE1022NV.....	B-82	SWA94A34N.....	M-10
SC2.....	A-3, H-5		I-25, L-24,	SWA94A44N.....	M-10
SC2/0.....	A-3, H-5	STS44A4NCG2.....	M-25	SWA96A44N.....	M-10
SC4.....	A-3, H-5		I-25, L-24,	SWAB19A2N.....	M-15
SCB19A.....	M-26	STS44ACG10.....	M-25	SWAB19A34N.....	M-15
SCB20A.....	M-26		I-25, L-24,	SWAB22A2N.....	M-15
SCB21A.....	M-26	STS46A6NCG1.....	M-25	SWAB22A34N.....	M-15
SCB22A.....	M-26	SW2A444A44N.....	M-9	SWAB22A44N.....	M-15
SCB24A.....	M-26	SW2A444A44N90.....	M-9	SWAB86A2N.....	M-15
SCB86A.....	M-26	SW2A44R44N90STS.....	M-9	SWAB86A34N.....	M-15
SFD67D12.....	L-43	SW2A486A44N.....	M-9	SWAB86A44N.....	M-15
SFD68AD16.....	L-43	SW2A486A44N90.....	M-9	SWAC18A2N.....	M-11
SFD69AD16.....	L-43	SW2A486A66N90.....	M-9	SWAC18A34N.....	M-11
SFD70AD16.....	L-43	SW2A48A44N.....	M-9	SWAC18A44N.....	M-11
SFD71AD16.....	L-43	SW2A58R44N.....	M-9	SWAC19A2N.....	M-11
SFD71AD20.....	L-43	SWA18A2N.....	M-10	SWAC19A34N.....	M-11
SFD72AD18.....	L-43	SWA18A34N.....	M-10	SWAC19A44N.....	M-11
SFD72AD20.....	L-43	SWA18A44N.....	M-10	SWAC20A2N.....	M-11
SH2GBP41A5.....	I-26	SWA19A2N.....	M-10	SWAC20A34N.....	M-11
SH2GBP41A512.....	I-26	SWA19A34N.....	M-10	SWAC20A44N.....	M-11
SH2GBP445A5.....	I-26	SWA19A44N.....	M-10	SWAC21A34N.....	M-11
SH2GBP445A512.....	I-26	SWA20A2N.....	M-10	SWAC21A44N.....	M-11
SH2GBP44A5.....	I-26	SWA20A34N.....	M-10	SWAC22A34N.....	M-11
SH2GBP44A512.....	I-26	SWA20A44N.....	M-10	SWAC22A44N.....	M-11
SH2GBP45A5.....	I-26	SWA21A34N.....	M-10	SWAC23A34N.....	M-11
SH2GBP45A512.....	I-26	SWA21A44N.....	M-10	SWAC24A34N.....	M-11
SH2GBP46A5.....	I-27	SWA22A44N.....	M-10	SWAC24A44N.....	M-11
SH2GBP46A512.....	I-27	SWA23A44N.....	M-10	SWAC58A2N.....	M-11
SH2GBP483A5.....	I-27	SWA24A34N.....	M-10	SWAC58A34N.....	M-11
SH2GBP483A512.....	I-27	SWA24A44N.....	M-10	SWAC58A44N.....	M-11
SH2GBP486A5.....	I-27	SWA444A44N.....	M-8	SWAC59A2N.....	M-11
SH2GBP486A512.....	I-27	SWA44R44N.....	M-8	SWAC59A34N.....	M-11

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

SWAC59A44N.....	M-11	SWL21A.....	M-24	SWT24A20A.....	M-17
SWAC86A44N.....	M-11	SWL22A.....	M-24	SWT24A20A75.....	M-18
SWAC90A2N.....	M-11	SWL24A.....	M-24	SWT24A21A.....	M-17
SWAC90A34N.....	M-11	SWL58A.....	M-24	SWT24A22A.....	M-17
SWAC90A44N.....	M-11	SWL59A.....	M-24	SWT24A24A.....	M-17
SWAC91A34N.....	M-11	SWL86A.....	M-24	SWT86A20A.....	M-17
SWAC91A44N.....	M-11	SWL90A.....	M-24	SWT86A20A75.....	M-18
SWAC92A34N.....	M-11	SWL91A.....	M-24	SWT86A21A.....	M-17
SWAC92A44N.....	M-11	SWL92A.....	M-24	SWT86A21A75.....	M-18
SWAC93A34N.....	M-11	SWL93A.....	M-24	SWT86A22A.....	M-17
SWAC94A34N.....	M-11	SWL96A.....	M-24	SWT86A22A75.....	M-18
SWAC94A44N.....	M-11	SWOH18A3.....	M-20	SWT86A24A.....	M-17
SWAC96A44N.....	M-11	SWOH18A5.....	M-20	SWT86A86A.....	M-17
SWAT18A16A30.....	M-19	SWOH19A3.....	M-20	SWVH19A5.....	M-22
SWAT18A17A30.....	M-19	SWOH19A5.....	M-20	SWVH19A7.....	M-22
SWAT18A18A30.....	M-19	SWOH20A3.....	M-20	SWVH20A5.....	M-22
SWAT19A16A30.....	M-19	SWOH20A5.....	M-20	SWVH20A7.....	M-22
SWAT19A17A30.....	M-19	SWOH21A5.....	M-20	SWVH22A5.....	M-22
SWAT19A18A30.....	M-19	SWOH22A3.....	M-20	SWVH22A7.....	M-22
SWAT20A17A30.....	M-19	SWOH22A5.....	M-20	SWVH24A5.....	M-22
SWAT20A18A30.....	M-19	SWOH24A5.....	M-20	SWVH86A5.....	M-22
SWAT20A19A30.....	M-19	SWOH86A5.....	M-20	SWVH86A7.....	M-22
SWAT21A16A30.....	M-19	SWT17A17A.....	M-16	SWXA20A44N.....	M-12
SWAT21A17A30.....	M-19	SWT18A16A75.....	M-18	SWXA22A44N.....	M-12
SWAT21A18A30.....	M-19	SWT18A17A75.....	M-18	SWXA24A44N.....	M-12
SWAT21A19A30.....	M-19	SWT19A16A75.....	M-18	SWXA86A44N.....	M-12
SWAT21A20A30.....	M-19	SWT19A17A75.....	M-18	SWXA92A44N.....	M-12
SWAT22A18A30.....	M-19	SWT19A18A75.....	M-18	SWXA94A44N.....	M-12
SWAT22A19A30.....	M-19	SWT19A19A.....	M-16	SWXHP19A5.....	M-23
SWAT22A20A30.....	M-19	SWT20A17A75.....	M-18	SWXHP20A5.....	M-23
SWAT24A18A30.....	M-19	SWT20A18A75.....	M-18	SWXHP21A5.....	M-23
SWAT24A19A30.....	M-19	SWT20A19A75.....	M-18	SWXHP22A5.....	M-23
SWAT24A20A30.....	M-19	SWT21A14A.....	M-16	SWXHP24A5.....	M-23
SWAT86A20A30.....	M-19	SWT21A15A.....	M-16	SWXHP59A5.....	M-23
SWAT86A21A30.....	M-19	SWT21A16A.....	M-16	SWXHP86A5.....	M-23
SWAT86A22A30.....	M-19	SWT21A16A75.....	M-18	SWXHP90A5.....	M-23
SWHRH18A3CH.....	M-21	SWT21A17A.....	M-17	SWXHP91A5.....	M-23
SWHRH18A5CH.....	M-21	SWT21A17A75.....	M-18	SWXHP92A5.....	M-23
SWHRH19A3CH.....	M-21	SWT21A18A.....	M-17	SWXHP94A5.....	M-23
SWHRH19A5CH.....	M-21	SWT21A18A75.....	M-18	SWXHP96A5.....	M-23
SWHRH20A3CH.....	M-21	SWT21A19A.....	M-17	SWXP20A20A.....	M-14
SWHRH20A5CH.....	M-21	SWT21A19A75.....	M-18	SWXP22A22A.....	M-14
SWHRH21A3CH.....	M-21	SWT21A20A.....	M-17	SWXP24A24A.....	M-14
SWHRH21A5CH.....	M-21	SWT22A18A.....	M-17	SWXP86A86A.....	M-14
SWHRH22A3CH.....	M-21	SWT22A18A75.....	M-18	SWXP90A90A.....	M-14
SWHRH22A5CH.....	M-21	SWT22A19A.....	M-17	SWXP92A92A.....	M-14
SWHRH24A3CH.....	M-21	SWT22A19A75.....	M-18	SWXP94A94A.....	M-14
SWHRH24A5CH.....	M-21	SWT22A20A.....	M-17	SWXP96A96A.....	M-14
SWHRH86A3CH.....	M-21	SWT22A20A75.....	M-18	T1010.....	B-5
SWHRH86A5CH.....	M-21	SWT22A21A.....	M-17	T1010F.....	B-31
SWL18A.....	M-24	SWT22A22A.....	M-17	T1010LF.....	B-37
SWL19A.....	M-24	SWT24A18A75.....	M-18	T1012.....	B-5
SWL20A.....	M-24	SWT24A19A75.....	M-18	T1014.....	B-5

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

T1014F.....	B-31	TMH267.....	F-12	TN146LF.....	B-39
T1016.....	B-5	TMH267SS.....	F-12	TN148.....	B-9
T1038.....	B-5	TMH268.....	F-12	TN148BF.....	B-43
T106.....	B-5	TMH268SS.....	F-12	TN148F.....	B-34
T106F.....	B-31	TMH269.....	F-12	TN148LF.....	B-39
T106LF.....	B-37	TMH269SS.....	F-12	TN1810.....	B-9
T108.....	B-5	TMH270.....	F-12	TN1810BF.....	B-43
T108F.....	B-31	TMH270SS.....	F-12	TN1810F.....	B-34
T108LF.....	B-37	TMH271.....	F-12	TN1810LF.....	B-39
T1410.....	B-5	TMH271SS.....	F-12	TN1814.....	B-9
T1410F.....	B-31	TMH272.....	F-12	TN1814F.....	B-34
T1410LF.....	B-37	TMH272SS.....	F-12	TN1838.....	B-9
T1414.....	B-5	TMH289.....	F-12	TN184.....	B-9
T1414F.....	B-31	TMH294.....	F-12	TN184F.....	B-34
T1438.....	B-5	TMH294SS.....	F-12	TN18516.....	B-9
T144.....	B-5	TMH295.....	F-12	TN186.....	B-9
T14516.....	B-5	TMH295SS.....	F-12	TN186BF.....	B-43
T146.....	B-5	TMH322SS.....	F-12	TN186F.....	B-34
T146F.....	B-31	TMH332.....	F-12	TN186G1.....	B-9
T146LF.....	B-37	TMH69.....	F-12	TN186LF.....	B-39
T148.....	B-5	TMH69SS.....	F-12	TN188.....	B-9
T148F.....	B-31	TMHG42.....	E-22	TN188BF.....	B-43
T148LF.....	B-37	TMHG92.....	E-22	TN188F.....	B-34
T1610LF.....	B-37	TN1010.....	B-9	TN188LF.....	B-39
T166LF.....	B-37	TN1010BF.....	B-43	TN202F.....	B-34
T168LF.....	B-37	TN1010F.....	B-34	TN206F.....	B-34
T1810.....	B-5	TN1010LF.....	B-39	TOOLBAGMDLI.....	N-5
T1810F.....	B-31	TN1012.....	B-9	TP1010.....	B-8
T1814.....	B-5	TN1014.....	B-9	TP1010BF.....	B-42
T1814F.....	B-31	TN1014F.....	B-34	TP1010F.....	B-33
T1838.....	B-5	TN1038.....	B-9	TP1010LF.....	B-38
T184.....	B-5	TN10516.....	B-9	TP1010Z.....	B-47
T18516.....	B-5	TN106.....	B-9	TP1012.....	B-8
T186.....	B-5	TN106BF.....	B-43	TP1014.....	B-8
T186F.....	B-31	TN106F.....	B-34	TP1038.....	B-8
T188.....	B-5	TN106LF.....	B-39	TP10516.....	B-8
T188F.....	B-31	TN108.....	B-9	TP106.....	B-8
TFV3B12V2.....	G-21	TN108BF.....	B-43	TP106BF.....	B-42
TFV3B18V2.....	G-21	TN108F.....	B-34	TP106F.....	B-33
TFV3B6V2.....	G-21	TN108LF.....	B-39	TP106LF.....	B-38
TFV3BLU12.....	G-21	TN1410.....	B-9	TP106Z.....	B-47
TFV3BLU18.....	G-21	TN1410BF.....	B-43	TP108.....	B-8
TMH261.....	F-12	TN1410F.....	B-34	TP108BF.....	B-42
TMH261SS.....	F-12	TN1410LF.....	B-39	TP108F.....	B-33
TMH262.....	F-12	TN1414.....	B-9	TP108LF.....	B-38
TMH262SS.....	F-12	TN1414F.....	B-34	TP108Z.....	B-47
TMH263.....	F-12	TN1438.....	B-9	TP1410.....	B-8
TMH263SS.....	F-12	TN144.....	B-9	TP1410BF.....	B-42
TMH264.....	F-12	TN14516.....	B-9	TP1410F.....	B-33
TMH264SS.....	F-12	TN146.....	B-9	TP1410LF.....	B-38
TMH265.....	F-12	TN146BF.....	B-43	TP1410Z.....	B-47
TMH265SS.....	F-12	TN146F.....	B-34	TP1414.....	B-8
TMH266.....	F-12	TN146G1.....	B-9	TP142F.....	B-33

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

TP142Z.....	B-47	U28ART.....	N-63, N-64	UC6W25CONKIT.....	H-19
TP1438.....	B-8	U28RT.....	N-63, N-64	UC8W26L.....	H-10
TP144.....	B-8	U28RTW.....	N-63, N-64	UCCOVER1BOX25.....	H-19
TP14516.....	B-8	U29ART.....	N-63, N-64	UCG25R.....	H-16
TP146.....	B-8	U29RT.....	N-63, N-64	UCG25R2R.....	H-16
TP146BF.....	B-42		E-6, E-7, E-8,	UCG25R2RS.....	H-16
TP146F.....	B-33		E-10, E-11,	UCG25RS.....	H-16
TP146LF.....	B-38		E-14, N-63,	UCG28R.....	H-16
TP146Z.....	B-47	U2CABT.....	N-64	UCG28RS.....	H-16
TP148.....	B-8	U2CRT.....	N-63, N-64	UCG32R.....	H-16
TP148BF.....	B-42	U2CRTW.....	N-63, N-64	UCG32RS.....	H-16
TP148F.....	B-33	U30ART.....	N-63, N-64	UCK1UL.....	H-10
TP148LF.....	B-38	U30RT.....	N-63, N-64	UCK2UL.....	H-10
TP148Z.....	B-47	U31ART.....	N-63, N-64	UCK3UL.....	H-10
TP1610.....	B-8	U31RT.....	N-63, N-64	UCT26.....	H-18
TP1610BF.....	B-42	U32ART.....	N-63, N-64	UCT26RS.....	H-17
TP1610F.....	B-33	U32RT.....	N-63, N-64	UCT32.....	H-18
TP1610LF.....	B-38	U34ART.....	N-63, N-64	UCT32RS.....	H-17
TP1610Z.....	B-47	U34RT.....	N-63, N-64	UCT41R28RS.....	H-17
TP1614.....	B-8	U36ART.....	N-63, N-64	UCT41R41RS.....	H-17
TP162F.....	B-33	U36RT.....	N-63, N-64	UCTCOVER.....	H-19
TP162Z.....	B-47	U38XRT.....	N-63	UCU28AC.....	A-31
TP1638.....	B-8	U39ART2.....	N-63, N-64	UDIEKITAL.....	N-64
TP164.....	B-8	U39RT.....	N-63, N-64	UDIEKITCU.....	N-64
TP16516.....	B-8	U3CRT.....	N-63	UDIEKITCUW.....	N-64
TP166.....	B-8	U3CRTW.....	N-63	UDIEKITHYGRD.....	N-64
TP166BF.....	B-42	U44XRT.....	N-63	UGS350ULDB.....	A-33
TP166F.....	B-33	U4CABT.....	N-63, N-64	UGSKIT2.....	A-32
TP166LF.....	B-38	U4CRT.....	N-63, N-64	UGSKIT250.....	A-32
TP166Z.....	B-47	U4CRTW.....	N-63, N-64	UGSKIT8.....	A-33
TP168.....	B-8	U5CRT.....	N-63, N-64	UH143.....	L-35
TP168BF.....	B-42	U5CRTW.....	N-63, N-64	UH153.....	L-35
TP168F.....	B-33	U6CABT.....	N-63, N-64	UH155.....	L-35
TP168LF.....	B-38	U8CABT.....	N-63	UH163.....	L-35
TP168Z.....	B-47	U8CRT.....	N-63	UH165.....	L-35
TTV10.....	B-72	U8CRTW.....	N-63, N-64	UH173.....	L-35
TTV14.....	B-72	U997.....	N-64	UH175.....	L-35
TTV18.....	B-72	UC.....	N-64	UH183.....	L-35
U1011.....	N-64	UC25R2R.....	H-16	UH185.....	L-35
U1104.....	N-64	UC25R2RS.....	H-16	UH193.....	L-35
U1105.....	N-64	UC2834.....	H-13	UH195.....	L-35
U1CART.....	N-63, N-64	UC28R.....	H-16	UH203.....	L-35
U1CRT1.....	N-63, N-64	UC28RS.....	H-16	UH205.....	L-35
U1CRT1W.....	N-63, N-64	UC2W28L.....	H-10	UH225.....	L-35
U25ART.....	N-63, N-64	UC2W30.....	H-13	UHG13A3CH.....	L-37
U25RT.....	N-63, N-64	UC3040.....	H-13	UHG14A3.....	L-37
U25RTW.....	N-63, N-64	UC32R.....	H-16	UHG14A3CH.....	L-37
U26ART.....	N-63, N-64	UC32RS.....	H-16	UHG15A3.....	L-37
U26RT.....	N-63, N-64	UC33R.....	H-16	UHG15A3CH.....	L-37
U26RTW.....	N-63, N-64	UC3444.....	H-13	UHG15A5.....	L-37
U27ART.....	N-63, N-64	UC4W28.....	H-13	UHG15A5CH.....	L-37
U27RT.....	N-63, N-64	UC4W28CONKIT.....	H-19	UHG16A3CH.....	L-37
U27RTW.....	N-63, N-64	UC6W25.....	H-13	UHG16A5CH.....	L-37

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

UHG17A3.....	L-37	UM33N.....	N-65	VT3025.....	H-15
UHG17A3CH.....	L-37	UM36N.....	N-65	VT3028.....	L-31
UHG17A5.....	L-37	UM4CN.....	N-65	VT3030.....	H-15
UHG17A5CH.....	L-37	UM6CN.....	N-65	VT3425.....	H-15
UHG18A3.....	L-37	UM8CN.....	N-65	VT3428.....	H-15
UHG18A3CH.....	L-37	UMA.....	N-65	VT3430.....	H-15
UHG18A5.....	L-37	UMB.....	N-65	VT3434.....	H-15
UHG18A5CH.....	L-37	UMC.....	N-65	VT4034.....	L-31
UHG19A3.....	L-37	UME.....	N-65	VT4040.....	H-15
UHG19A3CH.....	L-37	UO.....	N-64	VT4425.....	H-15
UHG19A5CH.....	L-37	UP34R.....	H-72	VT4428.....	H-15
UHG20A3CH.....	L-37	UP45R.....	H-72	VT4430.....	L-31
UHG20A5.....	L-37	UP45R36R.....	H-72	VT4434.....	L-31
UHG20A5CH.....	L-37		E-6, E-7, E-8,	VT4440.....	L-31
UHG20A7CH.....	L-37		E-10, E-11,	VT4444.....	L-31
UHG21A3.....	L-37	UPRECRIMP12.....	E-14	VT4628.....	L-31
UHG21A3CH.....	L-37		E-6, E-7, E-8,	VT4630.....	L-31
UHG21A5CH.....	L-37		E-10, E-11,	VT4640.....	L-31
UHG22A3CH.....	L-37	UPRECRIMP34.....	E-14	VT4830.....	L-31
UHG22A5.....	L-37		E-6, E-7, E-8,	VT4834.....	H-15
UHG22A5CH.....	L-37		E-10, E-11,	VT4840.....	L-31
UHG24A3.....	L-37	UPRECRIMP58.....	E-14	VT4844.....	L-31
UHG24A3CH.....	L-37	UW25R.....	H-12	VT4848.....	L-31
UHG24A5.....	L-37	UW2R.....	H-12	VV2A344N.....	L-17
UHG24A5CH.....	L-37	VA25.....	A-19	VV2A34CG1.....	L-17
UHG83A5.....	L-37	VA28.....	A-19	VV2A4044N.....	L-17
UHG86A5CH.....	L-37	VA282N.....	A-19	VV2A46CG1.....	L-17
UHKR11A3.....	L-38	VA2C.....	A-19	VV3A46CG1.....	L-18
UHKR11A5.....	L-38	VA30.....	A-19	VV3A46CG2.....	L-18
UHKR13A3.....	L-38	VA302N.....	A-19	VV3A46CG3.....	L-18
UHKR13A5.....	L-38	VA34.....	A-19	VV3D6846R12.....	L-42
UHKR14A3.....	L-38	VA342N.....	A-19	VV3D7046R12.....	L-42
UHKR14A5.....	L-38	VA344N.....	A-19	VV3D7246R12.....	L-42
UHKR16A3.....	L-38	VA40.....	A-19	VVA25.....	A-19, L-16
UHKR16A5.....	L-38	VA402N.....	A-19	VVA252.....	L-16
UHKR17A3.....	L-38	VA404N.....	A-19	VVA28.....	A-19, L-16
UHKR17A5.....	L-38	VG1.....	H-9	VVA282N.....	A-19, L-16
UHR133.....	L-35	VG2.....	H-9	VVA2C.....	A-19, L-16
UHR135.....	L-35	VG3.....	H-9	VVA30.....	A-19, L-16
UHR153.....	L-35	VG4.....	H-9	VVA302N.....	A-19, L-16
UHR153SS.....	L-35	VG5.....	H-9	VVA304N.....	L-16
UHR155.....	L-35	VP2828.....	H-12	VVA34.....	A-19, L-16
UHR173.....	L-35	VP3030.....	H-12	VVA342N.....	A-19, L-16
UHR175.....	L-35	VP3430.....	H-12	VVA344.....	L-16
UHR183.....	L-35	VP3434.....	H-12	VVA344N.....	A-19, L-16
UHR185.....	L-35	VP4030.....	H-12	VVA40.....	A-19, L-16
UM25N.....	N-65	VP4040.....	H-12	VVA402N.....	A-19, L-16
UM26N.....	N-65	VP4440.....	H-12	VVA404N.....	A-19, L-16
UM27N.....	N-65	VP4646.....	H-12	VVA404NCG1.....	L-16
UM28N.....	N-65	VT2525.....	H-15, L-31	VVA442N.....	L-16
UM2CN.....	N-65	VT2825.....	H-15, L-31	VVA444N.....	L-16
UM30N.....	N-65	VT2828.....	H-15, L-31	VVA462N.....	L-16
UM31N.....	N-65	VT2C2C.....	H-15, L-31	VVA464NCG2.....	L-16

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

VVA464NCG4	L-16	W8CRT	N-66, N-67	WCB10C2	J-9, J-10
VVA482N	L-16	W8CVT	N-66	WCB11	J-6
VYFT3428CCP	K-39	WABAG	J-15, N-106	WCB11PB	J-13
VYFT3428CCR	K-39	WAD1015	J-16	WCB12	J-6
VYFT3434CCP	K-39	WAD1029	J-16	WCB13	J-6
VYFT3434CCR	K-39	WAD1035	J-16	WCB14	J-6
VYFT3934CCP	K-39	WAD33615	J-16	WCB15	J-6
VYFT3934CCR	K-39	WAD33629	J-16	WCB16	J-6
VYFT4434CCP	K-39	WAD33635	J-16	WCB17	J-6
VYFT4434CCR	K-39	WAD4015	J-16	WCB18	J-6
W161	N-66, N-67	WAD4029	J-16	WCB19	J-6
W162	N-66, N-67	WAD4035	J-16	WCB20	J-6
W163	N-66, N-67	WAD47715	J-16	WCB20C2	J-9, J-10
W166	N-66, N-67	WAD47729	J-16	WCB20C20	J-9, J-10
W1CRT1	N-66, N-67	WAD47735	J-16	WCB21	J-6
W1CVT	N-66	WAD55615	J-16	WCB22	J-6
W239	N-66, N-67	WAD55629	J-16	WCB23	J-6
W241	N-66, N-67	WAD55635	J-16	WCB24	J-6
W245	N-66, N-67	WAD79515	J-16	WCB25	J-6
W249	N-66, N-67	WAD79529	J-16	WCB250C2	J-9, J-10
W25RT	N-66, N-67	WAD79535	J-16	WCB250C20	J-9, J-10
W25VT	N-66	WADM33615	J-17	WCB250C250	J-9, J-10
W26RT	N-66, N-67	WADM33629	J-17	WCB26	J-6
W26VT	N-66	WADM33635	J-17	WCB27	J-6
W27RT	N-66, N-67	WADM336CON	J-17	WCB28	J-6
W27VT	N-66	WADM55615	J-17	WCB2C2	J-9, J-10
W28K	N-5	WADM55629	J-17	WCB30C2	J-9, J-10
W28RT	N-66, N-67	WADM55635	J-17	WCB40	J-6
W28VT	N-66	WADM556CON	J-17	WCB40C2	J-9, J-10
W29RT	N-66, N-67	WADM79515	J-17	WCB40C20	J-9, J-10
W29VT	N-66	WADM79529	J-17	WCB40C40	J-9, J-10
W2CRT	N-66, N-67	WADM79535	J-17	WCB41	J-6
W2CVT	N-66	WADM795CON	J-17	WCB42	J-6
W30RT	N-66	WADRT1	J-16	WCB43	J-6
W30VT	N-66	WADRT2	J-16	WCB44	J-6
W31ART	N-66, N-67	WADRT3	J-16	WCB45	J-6
W31RT	N-66, N-67	WBG	N-51, N-52, N-100	WCB46	J-6
W31VT	N-66	WBS10V	E-139, G-28	WCB47	J-6
W32RT	N-66	WBS12V	E-139, G-28	WCB4C4	J-9, J-10
W32VT	N-66	WBS14V	E-139, G-28	WCBB30R4N	J-13
W33RT	N-66	WBS20V	E-139, G-28	WCBY39R4N	J-13
W33VT	N-66	WBS24V	E-139, G-28	WCBY49R4N	J-13
W34RT	N-66, N-67	WBS30V	E-139, G-28	WCCB	J-5
W34VT	N-66	WBS36V	E-139, G-28	WCCLY	J-5
W36RT	N-66	WBS36V	E-139, G-28	WCCR	J-5
W3CRT	N-66	WBS8V	E-139, G-28	WCCSY	J-5
W4CRT	N-66, N-67	WCAB30R2N	J-13	WCHAWAS	J-14, N-107
W4CVT	N-66	WCAB30R4N	J-13	WCR29	J-6
W5CRT	N-66, N-67	WCAY39R2N	J-13	WCR30	J-6
W5CVT	N-66	WCAY39R4N	J-13	WCR31	J-6
W660	N-66, N-67	WCAY49R2N	J-13	WCR32	J-6
W687	N-100	WCAY49R4N	J-13	WCR33	J-6
W702	N-100	WCB10	J-6	WCR34	J-6

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

WCR35.....	J-6	WCY54PB.....	J-13	WDC4500.....	N-5
WCR36.....	J-6	WCY55.....	J-7		N-15, N-16,
WCR37.....	J-6	WCY56.....	J-7		N-17, N-51,
WCY100.....	J-7	WCY57.....	J-7		N-52, N-53,
WCY101.....	J-8	WCY58.....	J-7		N-66, N-72,
WCY102.....	J-8	WCY59.....	J-7		N-73, N-74,
WCY103.....	J-8	WCY60.....	J-7		N-75, N-76,
WCY104.....	J-8	WCY61.....	J-7	WDIETREE.....	N-78, N-100
WCY105.....	J-8	WCY62.....	J-7	WEEB-11.5.....	E-145
WCY106.....	J-8	WCY63.....	J-7	WEEB-15.8.....	E-149
WCY107.....	J-8	WCY63PB.....	J-13	WEEB-2TC14.....	E-150
WCY108.....	J-8	WCY64.....	J-7	WEEB-2TC38.....	E-150
WCY109.....	J-8	WCY64PB.....	J-13	WEEB-6.7.....	E-149
WCY110.....	J-8	WCY65.....	J-7	WEEB-8.0.....	E-149
WCY111.....	J-8	WCY65PB.....	J-13	WEEB-8.2.....	E-149
WCY112.....	J-8	WCY66.....	J-7	WEEB-9.5.....	E-145
WCY113.....	J-8	WCY67.....	J-7	WEEB-9.5NL.....	E-145
WCY114.....	J-8	WCY68.....	J-7	WEEB-ADC.....	E-146
WCY115.....	J-8	WCY69.....	J-7	WEEB-ADR.....	E-146
WCY116.....	J-8	WCY70.....	J-7	WEEB-ASR.....	E-146
WCY117.....	J-8	WCY71.....	J-7	WEEB-ATF.....	E-146
WCY118.....	J-8	WCY72.....	J-7	WEEB-BMC-1.....	E-143, E-146
WCY119.....	J-8	WCY73.....	J-7	WEEB-BNDJMP12.....	E-152
WCY120.....	J-8	WCY74.....	J-7	WEEB-BNDJMP12AS.....	E-152
WCY121.....	J-8	WCY75.....	J-7	WEEB-BNDJMP18.....	E-152
WCY122.....	J-8	WCY76.....	J-7	WEEB-BNDJMP18AS.....	E-152
WCY123.....	J-8	WCY77.....	J-7	WEEB-BNDJMP24.....	E-152
WCY124.....	J-8	WCY78.....	J-7	WEEB-BNDJMP24AS.....	E-152
WCY125.....	J-8	WCY79.....	J-7	WEEB-BNDJMP36.....	E-152
WCY126.....	J-8	WCY80.....	J-7	WEEB-BNDJMP36AS.....	E-152
WCY127.....	J-8	WCY81.....	J-7	WEEB-BNDJMP6.7.....	E-152
WCY128.....	J-8	WCY82.....	J-7	WEEB-BNDJMP6.7AS.....	E-152
WCY129.....	J-8	WCY83.....	J-7	WEEB-BNDJMP8.0.....	E-152
WCY130.....	J-8	WCY84.....	J-7	WEEB-BNDJMP8.0AS.....	E-152
WCY131.....	J-8	WCY85.....	J-7	WEEB-BNDJMP8.2.....	E-152
WCY132.....	J-8	WCY86.....	J-7	WEEB-BNDJMP8.2MS.....	E-152
WCY133.....	J-8	WCY87.....	J-7	WEEB-BNDJMP9.....	E-152
WCY134.....	J-8	WCY88.....	J-7	WEEB-CCR.....	E-146
WCY135.....	J-8	WCY89.....	J-7	WEEB-CCR-2.....	E-146
WCY136.....	J-8	WCY90.....	J-7	WEEB-CMC.....	E-146
WCY137.....	J-8	WCY91.....	J-7	WEEB-DHF.....	E-146
WCY138.....	J-8	WCY92.....	J-7	WEEB-DMC.....	E-147
WCY139.....	J-8	WCY93.....	J-7	WEEB-DPF.....	E-147
WCY140.....	J-8	WCY94.....	J-7	WEEB-DPR.....	E-147
WCY145.....	J-8	WCY95.....	J-7	WEEB-DSK12.....	E-144
WCY48.....	J-6	WCY96.....	J-7	WEEB-DSK14.....	E-144
WCY49.....	J-6	WCY97.....	J-7	WEEB-DSK38.....	E-144
WCY50.....	J-6	WCY98.....	J-7	WEEB-DSK516.....	E-144
WCY51.....	J-6	WCY99.....	J-7	WEEB-DSK516-45.....	E-144
WCY52.....	J-6	WDA8300.....	N-5	WEEB-DSKBD34.....	E-144
WCY53.....	J-7			WEEB-ECR.....	E-147
WCY53PB.....	J-13			WEEB-FBM14.....	E-145
WCY54.....	J-7			WEEB-FBM516.....	E-145

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

WEEB-JJR.....	E-147	WILEYBRAID18-516.....	E-153	WLB21A.....	M-26
WEEB-KMC.....	E-147	WILEYBRAID18-916.....	E-154	WLB22A.....	M-26
WEEB-KSR.....	E-147	WILEYBRAID24.....	E-153	WLB24A.....	M-26
WEEB-LUG-10.3.....	E-142	WILEYBRAID24-12.....	E-154	WLB55A.....	M-26
WEEB-LUG-15.8.....	E-142	WILEYBRAID24-34.....	E-154	WLB56A.....	M-26
WEEB-LUG-6.7.....	E-142	WILEYBRAID24-38.....	E-153	WLB57A.....	M-26
WEEB-LUG-6.7AS.....	E-142	WILEYBRAID24-516.....	E-153	WLB58A.....	M-26
WEEB-LUG-8.0.....	E-142	WILEYBRAID24-916.....	E-154	WLB59A.....	M-26
WEEB-LUG-8.0AS.....	E-142	WILEYBRAID30.....	E-153	WLB86A.....	M-26
WEEB-LUG-8.0UN.....	E-142	WILEYBRAID30-12.....	E-154	WLB90A.....	M-26
WEEB-LUG-8.2.....	E-142	WILEYBRAID30-34.....	E-154	WLB91A.....	M-26
WEEB-M-KR.....	E-143	WILEYBRAID30-38.....	E-153	WLB92A.....	M-26
WEEB-MSNR516.....	E-143	WILEYBRAID30-516.....	E-153	WLB94A.....	M-26
WEEB-OCR.....	E-147	WILEYBRAID30-916.....	E-154	WLB96A.....	M-26
WEEB-OSF.....	E-147	WILEYBRAID36.....	E-153	WO.....	N-51, N-52
WEEB-PMC.....	E-148	WILEYBRAID36-12.....	E-154	WPBBNBOX25.....	J-5, N-105
WEEB-RPR.....	E-148	WILEYBRAID36-34.....	E-154	WPBRNBOX25.....	J-5, N-105
WEEB-SCR.....	E-148	WILEYBRAID36-38.....	E-153	WPBYNBOX25.....	J-5, N-105
WEEB-SMC-2.....	E-148	WILEYBRAID36-516.....	E-153	WS14A.....	M-13
WEEB-SSF.....	E-148	WILEYBRAID36-916.....	E-154	WS15A.....	M-13
WEEB-SSR.....	E-148	WILEYBRAID6.....	E-153	WS16A.....	M-13
WEEB-STC.....	E-148	WILEYBRAID6-12.....	E-154	WS17A.....	M-13
WEEB-TC14.....	E-151	WILEYBRAID6-34.....	E-154	WS18A.....	M-13
WEEB-TC38.....	E-151	WILEYBRAID6-38.....	E-153	WS19A.....	M-13
WEEB-UIR.....	E-145	WILEYBRAID6-516.....	E-153	WS20A.....	M-13
WEEB-UMC.....	E-148	WILEYBRAID6-916.....	E-154	WS21A.....	M-13
WEEB-WMC.....	E-148	WILEYBRAID8-12.....	E-154	WS22A.....	M-13
WEJTAP™ Video QR Links.....	J-2	WILEYBRAID8-34.....	E-154	WS24A.....	M-13
WHHWP.....	N-106	WILEYBRAID8-916.....	E-154	WS58A.....	M-13
WHHWP.....	J-14	WILEYBRAID9.....	E-153	WS59A.....	M-13
WHSCWH.....	J-14, N-107	WILEYBRAID9-38.....	E-153	WS86A.....	M-13
WHSGB.....	N-107	WILEYBRAID9-516.....	E-153	WS90A.....	M-13
WHSGB.....	J-14	WILEYLUG15.8.....	E-142	WS91A.....	M-13
WHSPBC.....	J-14, N-107	WILEYLUG6.7.....	E-142	WS92A.....	M-13
WHSSADP.....	J-14, N-107	WILEYLUG8.0.....	E-142	WS94A.....	M-13
WHSTA.....	J-14, N-107	WILEYLUG8.2.....	E-142	WS96A.....	M-13
WHSWB.....	N-107	WIPC14-1.....	E-141, G-29	WSBC128A.....	M-25
WHSWB.....	J-14	WIPC14-112.....	E-141, G-29	WSBC74A.....	M-25
WHSWHADP.....	J-14, N-107	WIPC14-12.....	E-141, G-29	WSBC83A.....	M-25
WILEYBRAID10-12.....	E-154	WIPC14-14.....	E-141, G-29	WSL1.....	J-11
WILEYBRAID10-34.....	E-154	WIPC14-34.....	E-141, G-29	WSL10.....	J-11
WILEYBRAID10-916.....	E-154	WIREMIKE.....	F-14, N-103	WSL11.....	J-11
WILEYBRAID12.....	E-153	WIREMIKECI.....	F-14, N-103	WSL12.....	J-11
WILEYBRAID12-12.....	E-154	WIREMIKED.....	F-14, N-103	WSL13.....	J-11
WILEYBRAID12-34.....	E-154	WIS12-3.....	E-141, G-29	WSL14.....	J-11
WILEYBRAID12-38.....	E-153	WIS8-2.....	E-141, G-29	WSL2.....	J-11
WILEYBRAID12-516.....	E-153	WLB15A.....	M-26	WSL3.....	J-11
WILEYBRAID12-916.....	E-154	WLB16A.....	M-26	WSL4.....	J-11
WILEYBRAID18.....	E-153	WLB17A.....	M-26	WSL5.....	J-11
WILEYBRAID18-12.....	E-154	WLB18A.....	M-26	WSL6.....	J-11
WILEYBRAID18-34.....	E-154	WLB19A.....	M-26	WSL7.....	J-11
WILEYBRAID18-38.....	E-153	WLB20A.....	M-26	WSL8.....	J-11

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

WSL9.....	J-11	WTYKNHSBAG.....	J-15	Y2825R.....	C-140
WSM1.....	J-11	WTYWABAG.....	J-15	Y2826R.....	C-140
WSM10.....	J-11	X8CART.....	N-66, N-67	Y2827R.....	C-140
WSM11.....	J-11	XA132N.....	L-19	Y282CR.....	C-140
WSM2.....	J-11	XA142N.....	L-19	Y284CR.....	C-140
WSM3.....	J-11	XA144N.....	L-19	Y284WR.....	C-140
WSM4.....	J-11	XA152N.....	L-19	Y286CR.....	C-140
WSM5.....	J-11	XA154N.....	L-19	Y2928R.....	C-140
WSM6.....	J-11	XA154A4N.....	L-23	Y29BH.....	N-34
WSM7.....	J-11	XA162N.....	L-19	Y3025R.....	C-140
WSM8.....	J-11	XA164N.....	L-19	Y3026R.....	C-140
WSM9.....	J-11	XA164A4N.....	L-23	Y3027R.....	C-140
WSS1.....	J-11	XA172N.....	L-19	Y3028R.....	C-140
WSS2.....	J-11	XA174N.....	L-19	Y302CR.....	C-140
WT2B2RBYK.....	J-15	XA184N.....	L-19	Y304CR.....	C-140
WT2B2RBYWABAG.....	J-15, N-106	XA184A4N.....	L-23	Y3126R.....	C-140
WT2BRBYK.....	J-15	XA194N.....	L-19	Y3128R.....	C-140
WT2BRBYWABAG.....	J-15	XA194A4N.....	L-23	Y3129R.....	C-140
	J-12, J-15,	XA204N.....	L-19	Y3425R.....	C-140
	N-105,	XA20A4N.....	L-23	Y3426R.....	C-140
WTB.....	N-106	XA214N.....	L-19	Y3427R.....	C-140
WTBASY1.....	J-12, N-105	XA21A4N.....	L-23	Y3428R.....	C-140
WTBGBW.....	J-15, N-106	XA224N.....	L-19	Y3429R.....	C-140
WTBGBWRBYK.....	J-15, N-106	XA22A4N.....	L-23	Y342CR.....	C-140
WTBNHS.....	J-15, N-106	XA24A4N.....	L-23	Y3430R.....	C-140
WTCC.....	J-15, N-106	XA574N.....	L-19	Y3431R.....	C-140
	J-12, J-15,	XA594N.....	L-19	Y3432R.....	C-140
	N-105,	XOH25.....	N-50	Y34BH.....	N-33
WTCK.....	N-106	XP1313.....	L-26	Y35.....	N-19
	J-12, J-15,	XP1414.....	L-26	Y35/Y39REPKITA.....	N-19, N-101
	N-105,	XP1515.....	L-26	Y352.....	N-19
WTHRBS.....	N-106	XP1616.....	L-26	Y35BH.....	N-29
	J-12, J-15,	XP1717.....	L-26	Y35BH4.....	N-29
	N-105,	XP1818.....	L-26	Y35H.....	N-29
WTHYS.....	N-106	XP1919.....	L-26	Y3934R.....	C-140
	J-12, J-15,	XP1919HC.....	L-26	Y3936R.....	C-140
	N-105,	XP2020.....	L-26	Y4439R.....	C-140
WTOCBR.....	N-106	XP2121.....	L-26	Y444SBH.....	N-30
	J-12, J-15,	XP2222.....	L-26	Y444SBHF.....	N-30
	N-105,	XP5656.....	L-26	Y45.....	N-27
WTOCY.....	N-106	Y101300C.....	N-85	Y46CLWSBH.....	N-25
WTRB.....	J-15, N-106	Y101400SC.....	N-85	Y46CLWSBHF.....	N-25
WTRBK.....	J-15, N-106	Y1022.....	N-35	Y46LWBH.....	N-26
WTRBKNHS.....	J-15, N-106	Y10AC9.....	N-90	Y46LWBHF.....	N-26
WTRBKNHSBAG.....	J-15, N-106	Y10AC9OEM.....	N-90	Y46LWSBH.....	N-25
WTRBWABAG.....	J-15	Y10D.....	N-35	Y46LWSBHF.....	N-25
WTRBYK.....	J-15, N-106	Y122CMR.....	N-44	Y4PC834.....	N-22
WTRBYKNHS.....	J-15, N-106	Y122CMRCIKIT.....	N-45	Y4PC834MBH.....	N-32
WTRBYKNHSBAG.....	J-15, N-106	Y122CMRKIT.....	N-45	Y500CTHS.....	N-23
WTRBYWABAG.....	J-15, N-106	Y1MRKIT.....	N-43	Y60LW.....	N-24
WTY.....	J-15, N-106	Y1MRTC.....	N-43	Y60LWCASE.....	N-24
WTYK.....	J-15, N-106	Y1MRTCKIT.....	N-43	Y60LWSTAND.....	N-24
WTYKNHS.....	J-15, N-106	Y281CR.....	C-140	Y644HSCASE.....	N-20

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

Y644HSXT	N-20	YA25A3N69T38E	C-102	YA26L3	C-15
Y750BHXT	N-28	YA25A5	C-191	YA26L4TCG1	C-99
Y750CHSXT	N-18	YA25A7	C-191	YA26L60	C-15
Y750HSXT	N-18	YA25A9	C-188	YA26L6BOX	C-15
Y81KFT	N-21	YA25L2BOX	C-15	YA26LB	C-60
Y81KFTMBH	N-31	YA25L2NT14	C-34	YA26LBOX	C-15
Y8MRB1	N-38	YA25L2NT14E1	C-34	YA26LN50T14E	C-102
YA10ATN	C-188	YA25L2TC14	C-31	YA26LNT10	C-19
YA12ATN	C-188	YA25L2TC14E1	C-31	YA26LNT14	C-19
YA1C	C-22	YA25L2TC14E2	C-31	YA26LNT38	C-19
YA1C2L	C-31	YA25L2TC38	C-31	YA26LNT516	C-19
YA1C2LN	C-31	YA25L4BOX	C-15	YA26N	C-23
YA1C2N	C-36, C-40	YA25L4TCG1	C-99	YA26TC14	C-23
YA1C2NT10	C-40	YA25L6	C-15	YA26TC516	C-23
YA1C2NT14	C-40	YA25LB	C-60	YA27	C-23
YA1C2NT14E2	C-40	YA25LBOX	C-15	YA272LN	C-31
YA1C2NU	C-90	YA25LN50T14E	C-102	YA272N	C-37
YA1C2TC14	C-36	YA25LN64T516E	C-102	YA272NT14	C-41
YA1C2TC14E2	C-36	YA25LNT10	C-19	YA272NT38	C-41
YA1C2TC38	C-36, C-40	YA25LNT14	C-19	YA272NT516	C-41
YA1CA1	C-188	YA25LNT38	C-19	YA272NU	C-91
YA1CL2	C-15	YA25LNT516	C-19	YA272TC14E2	C-37
YA1CL2NT14	C-34	YA25N	C-23	YA272TC38	C-37
YA1CL2NT14E2	C-34	YA25TC10	C-23	YA27A1	C-188
YA1CL2TC14	C-31	YA25TC38	C-23	YA27A10S76T516E	C-103
YA1CL2TC14E2	C-31	YA26	C-23	YA27A3	C-188
YA1CL2TC38	C-31	YA262L	C-31	YA27A5	C-191
YA1CL4BOX	C-15	YA262LH89	H-42	YA27A7	C-191
YA1CL6BOX	C-15	YA262LN	C-31	YA27L2NT14	C-34
YA1CLB	C-60	YA262N	C-37	YA27L2NT38	C-34
YA1CLBOX	C-15	YA262NT14	C-41	YA27L2NT516	C-34
YA1CLNT10	C-19	YA262NT14E1	C-41	YA27L2TC14E2	C-31
YA1CLNT14	C-19	YA262NT38	C-41	YA27L2TC38	C-31
YA1CN	C-22	YA262NT516	C-41	YA27L3	C-15
YA1CTC10	C-22	YA262NU	C-91	YA27L4BOX	C-15
YA1CTC14	C-22	YA262TC14	C-37	YA27L4TCG1	C-99
YA1CTC38	C-22	YA262TC14E2	C-37	YA27LB	C-60
YA25	C-23	YA262TC38	C-37	YA27LBOX	C-15
YA252L	C-31	YA26A1	C-188	YA27LNT14	C-19
YA252LN	C-31	YA26A13N100T516E	C-103	YA27LNT38	C-19
YA252N	C-37	YA26A3	C-191	YA27LNT516	C-19
YA252NT14	C-41	YA26A5	C-191	YA28	C-23
YA252NT14E1	C-41	YA26A6	C-188	YA282LH114	H-42
YA252NT38	C-41	YA26A6N100T38E	C-103	YA282LH115	H-42
YA252NTC38	C-37	YA26A7	C-188	YA282LN	C-31
YA252NU	C-91	YA26A8	C-188	YA282N	C-37
YA252TC14	C-37	YA26L2BOX	C-15	YA282NT14	C-41
YA252TC14E2	C-37	YA26L2NT14	C-34	YA282NT38	C-41
YA252TC38	C-37	YA26L2NT14E1	C-34	YA282NT516	C-41
YA252TC516	C-37	YA26L2TC14	C-31	YA282NTC38	C-37
YA25A1	C-188	YA26L2TC14E1	C-31	YA282NU	C-91
YA25A1S60T516E	C-102	YA26L2TC14E2	C-31	YA282TC14E2	C-37
YA25A3	C-188	YA26L2TC38	C-31	YA282TC38	C-37

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YA28A1.....	C-188	YA29LTC78.....	C-15	YA30A1N131T12E.....	C-103
YA28A14N100T516E.....	C-103	YA2C.....	C-22	YA30A3.....	C-191
YA28A1N100T38E.....	C-103	YA2C2L.....	C-31	YA30A5.....	C-191
YA28A3.....	C-188	YA2C2LN.....	C-31	YA30A6.....	C-188
YA28A5.....	C-191	YA2C2N.....	C-36	YA30A6N100T38E.....	C-103
YA28A7.....	C-191	YA2C2NT14.....	C-40	YA30A9N100T516E.....	C-103
YA28L2.....	C-15	YA2C2NT14E1.....	C-40	YA30L.....	C-16
YA28L2NT14.....	C-34	YA2C2NT14E2.....	C-40	YA30L1.....	C-16
YA28L2NTC516.....	C-31	YA2C2NTC38.....	C-36	YA30L24.....	C-16
YA28L2TC14E1.....	C-31	YA2C2NU.....	C-90	YA30L24N100T38E.....	C-102
YA28L2TC14E2.....	C-31	YA2C2TC14.....	C-36	YA30L27.....	C-16
YA28L2TC38.....	C-31	YA2C2TC14E2.....	C-36	YA30L28.....	C-16
YA28L2TC38E2.....	C-31	YA2C2TC38.....	C-36	YA30L2NTCFX.....	C-69
YA28L3.....	C-15	YA2C2TC38E2.....	C-36	YA30L2TC38.....	C-32
YA28L4BOX.....	C-15	YA2C2TC38E6.....	C-36	YA30L2TC38FX.....	C-69
YA28L4TCG1.....	C-99	YA2C2TC38SL.....	C-94	YA30L2TC516FX.....	C-69
YA28L56.....	C-15	YA2C2TC38SLBOX500.....	C-94	YA30L7.....	C-16
YA28LB.....	C-60	YA2C2TC516E2.....	C-36	YA30LB.....	C-60
YA28LBOX.....	C-15	YA2CA1.....	C-188	YA30LN.....	C-16
YA28LNT14.....	C-19	YA2CA1S91T516E.....	C-102	YA30LNT14.....	C-20
YA28LNT38.....	C-19	YA2CA3.....	C-188	YA30LNT38.....	C-20
YA28LNT516.....	C-19	YA2CA5.....	C-188	YA30LNT516FX.....	C-54
YA28N.....	C-23	YA2CA5S53T14E.....	C-102	YA30LTC12FX.....	C-51
YA28TC38.....	C-23	YA2CA9.....	C-191	YA30LTC34FX.....	C-51
YA29.....	C-23	YA2CL2BOX.....	C-15	YA30LTC38FX.....	C-51
YA292LH91.....	H-42	YA2CL2NT14.....	C-34	YA30LTC516FX.....	C-51
YA292LN.....	C-31	YA2CL2NT14E1.....	C-34	YA30LTC58FX.....	C-51
YA292N.....	C-37	YA2CL2NT14E2.....	C-34	YA30N.....	C-23
YA292NNT.....	C-41	YA2CL2TC14.....	C-31	YA30TC12FXB.....	C-66
YA292NT14.....	C-41	YA2CL2TC14E1.....	C-31	YA31.....	C-23
YA292NT38.....	C-41	YA2CL2TC14E2.....	C-31	YA312LH90.....	H-42
YA292NT38E16.....	C-41	YA2CL2TC38.....	C-31	YA312LN.....	C-32
YA292NT516.....	C-41	YA2CL2TC516.....	C-31	YA312N.....	C-37
YA292NU.....	C-91	YA2CL4BOX.....	C-15	YA312NFXB.....	C-80
YA292TC38.....	C-37	YA2CL6BOX.....	C-15	YA312NT38.....	C-42
YA292TC58E16.....	C-37	YA2CLB.....	C-60	YA312NT38E16.....	C-42
YA29A1.....	C-188	YA2CLBOX.....	C-15	YA312NU.....	C-91
YA29A3.....	C-191	YA2CLNT10.....	C-19	YA312TC14E2.....	C-37
YA29A5.....	C-191	YA2CLNT14.....	C-19	YA312TC38.....	C-37
YA29A6.....	C-188	YA2CLNT516.....	C-19	YA312TC38FXB.....	C-80
YA29A9.....	C-188	YA2CN.....	C-22	YA31A1.....	C-188
YA29L2.....	C-15	YA2CTC10.....	C-22	YA31A11N100T516E.....	C-103
YA29L2NT38.....	C-34	YA2CTC14.....	C-22	YA31A12.....	C-188
YA29L2NT38E16.....	C-34	YA2CTC38.....	C-22	YA31A3.....	C-191
YA29L2TC38.....	C-31	YA30.....	C-23	YA31A5.....	C-191
YA29L4.....	C-15	YA302LH85.....	H-42	YA31A6.....	C-188
YA29L4TCG1.....	C-99	YA302LN.....	C-32	YA31A9N100T38E.....	C-103
YA29L7.....	C-15	YA302N.....	C-37	YA31L.....	C-16
YA29LB.....	C-60	YA302NFXB.....	C-80	YA31L11.....	C-16
YA29LBOX.....	C-15	YA302NT38.....	C-41	YA31L2NT38.....	C-34
YA29LENT38.....	C-20	YA302NU.....	C-91	YA31L2NT38E16.....	C-34
YA29LENT516.....	C-20	YA302TC38.....	C-37	YA31L2NT38FX.....	C-72
YA29LNT38.....	C-20	YA30A1.....	C-188	YA31L2NTC516.....	C-32

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YA31L2NTCFX	C-69	YA32LTC38FX	C-51	YA34LB.....	C-60
YA31L2TC12	C-32	YA32LTC58FX	C-51	YA34LNT12	C-20
YA31L2TC12FX	C-69	YA32LTC78	C-16	YA34LNT12FX	C-55
YA31L2TC14E2.....	C-32	YA32N.....	C-23	YA34LNT38.....	C-20
YA31L2TC38.....	C-32	YA32TC12FXB.....	C-66	YA34LNT38FX.....	C-55
YA31L2TC38FX.....	C-69	YA33	C-24	YA34LTC12FX	C-51
YA31L36	C-16	YA332N	C-37	YA34LTC38FX	C-51
YA31L4TCG1.....	C-99	YA33L	C-16	YA34LTC516FX	C-51
YA31L7.....	C-16	YA33N.....	C-24	YA34LTC58FX	C-51
YA31LB.....	C-60	YA34	C-24	YA34N	C-24
YA31LNT12.....	C-20	YA342L.....	C-32	YA34TC12FXB.....	C-66
YA31LNT12FX.....	C-51	YA342LH110.....	H-42	YA352L	C-32
YA31L-NT12-FX	C-54	YA342LH111.....	H-42	YA352LN	C-32
YA31LNT38.....	C-20	YA342LN	C-32	YA352N	C-37
YA31LTC12FX.....	C-51	YA342LNN119T12E.....	C-102	YA36	C-24
YA31LTC14FX.....	C-51	YA342LNN131T12E.....	C-102	YA362LN	C-32
YA31LTC34FX	C-51	YA342N	C-37	YA362N	C-37
YA31LTC38FX	C-51	YA342NFXB.....	C-80	YA362NFXB.....	C-80
YA31LTC516FX.....	C-51	YA342NNT	C-42	YA362NNT	C-42
YA31LTC58FX	C-51	YA342NT38.....	C-42	YA362NT12	C-42
YA31TC12FXB	C-66	YA342NT38E16.....	C-42	YA362NT38.....	C-42
YA32	C-23	YA342NT58.....	C-42	YA362NU.....	C-91
YA322L	C-32	YA342NU.....	C-91	YA362TC38.....	C-37
YA322LN	C-32	YA342TC14E2	C-37	YA36A1	C-189
YA322N	C-37	YA342TC38.....	C-37	YA36A17	C-191
YA322NFXB.....	C-80	YA342TC38FXB.....	C-80	YA36A3.....	C-191
YA322NNT	C-42	YA34A1	C-189	YA36A3N131TD12E	C-103
YA322NT38.....	C-42	YA34A3.....	C-191	YA36A3N131TD38E	C-103
YA322NU.....	C-91	YA34A3N131T12E	C-103	YA36A5.....	C-191
YA322TC38.....	C-37	YA34A5.....	C-191	YA36A8.....	C-189
YA322TC38FXB.....	C-80	YA34A7.....	C-189	YA36A9N131TD12E	C-103
YA32A1	C-188	YA34A7N131T12E	C-103	YA36L	C-16
YA32A3.....	C-191	YA34A8.....	C-191	YA36L11.....	C-16
YA32A5.....	C-191	YA34A8N131T38E.....	C-103	YA36L2ENT38E10FX	C-73
YA32A6.....	C-188	YA34L	C-16	YA36L2NNT	C-34
YA32A8N106T516E.....	C-103	YA34L20.....	C-16	YA36L2NT38FX	C-73
YA32A9.....	C-188	YA34L2NT12E1	C-34	YA36L2NTCFX	C-69
YA32L	C-16	YA34L2NT38	C-34	YA36L2TC38	C-32
YA32L1.....	C-16	YA34L2NT38E16.....	C-34	YA36L2TC38FX	C-69
YA32L14.....	C-16	YA34L2NT38FX	C-73	YA36LB.....	C-60
YA32L2NT38FX	C-73	YA34L2NTC38FX.....	C-69	YA36LNT12	C-20
YA32L2NTCFX.....	C-69	YA34L2NTCFX.....	C-69	YA36LNT38.....	C-20
YA32L2TC38.....	C-32	YA34L2TC12	C-32	YA36LTC12FX	C-51
YA32L2TC38E5.....	C-32	YA34L2TC12FX.....	C-69	YA36LTC58FX	C-51
YA32L2TC38FX.....	C-69	YA34L2TC14E2	C-32	YA36LTC78	C-16
YA32LB.....	C-60	YA34L2TC38.....	C-32	YA36N	C-24
YA32LN	C-16	YA34L2TC38FX	C-69	YA36TC12FXB.....	C-66
YA32LNT12	C-20	YA34L2TC516FX.....	C-69	YA36TC58FXB.....	C-66
YA32LNT38.....	C-20	YA34L37	C-16	YA37	C-24
YA32LNT38FX.....	C-54	YA34L6	C-16	YA372L	C-32
YA32LNT516FX.....	C-54	YA34L6N131T12E.....	C-102	YA372LN	C-32
YA32LTC100FX.....	C-51	YA34L8	C-16	YA372N.....	C-38
YA32LTC12FX.....	C-51	YA34L9	C-16	YA37L	C-17

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YA37L1.....	C-17	YA39L2.....	C-17	YA40LTC516FX.....	C-52
YA37N.....	C-24	YA39L2NT12E1.....	C-34	YA40LTC58FX.....	C-52
YA38.....	C-24	YA39L2NT38.....	C-34	YA40TC58FXB.....	C-66
YA382FXBG2.....	C-81	YA39L2NT38E16.....	C-34	YA41.....	C-24
YA382FXBG3.....	C-81	YA39L2NTCFX.....	C-70	YA412L.....	C-32
YA382L.....	C-32	YA39L2TC12E3.....	C-32	YA412N.....	C-38
YA382LN.....	C-32	YA39L2TC38.....	C-32	YA41L.....	C-17
YA382N.....	C-38	YA39L2TC38E10FX.....	C-70	YA41N.....	C-24
YA382NFXB.....	C-81	YA39L2TC58.....	C-32	YA42A1.....	C-189
YA382TC38.....	C-38	YA39L6.....	C-17	YA42A3.....	C-189
YA382TC38FXB.....	C-81	YA39L6N131T12E.....	C-102	YA42A5.....	C-192
YA38L.....	C-17	YA39L9.....	C-17	YA42A7.....	C-192
YA38L2ENT38FX.....	C-73	YA39LB.....	C-60	YA44.....	C-24
YA38L2NNTFX.....	C-73	YA39LNT12.....	C-20	YA442L.....	C-32
YA38L2NT38FX.....	C-73	YA39LNT38.....	C-20	YA442LN.....	C-32
YA38L2NTCFX.....	C-70	YA39LNT58.....	C-20	YA442N.....	C-38
YA38L2TC12.....	C-32	YA39N.....	C-24	YA442NFXB.....	C-81
YA38L2TC12FX.....	C-70	YA3C.....	C-22	YA442NU.....	C-91
YA38L2TC38.....	C-32	YA3C2L.....	C-31	YA442TC38.....	C-38
YA38L2TC38FX.....	C-70	YA3C2N.....	C-36	YA442TC38FXB.....	C-81
YA38L2TC516FX.....	C-70	YA3C2NU.....	C-90	YA444N.....	C-47
YA38LB.....	C-60	YA3C2TC14.....	C-36	YA444NU.....	C-92
YA38LNT12FX.....	C-55	YA3C2TC14E2.....	C-36	YA44A1.....	C-189
YA38LNTM20FX.....	C-55	YA3C2TC38.....	C-36	YA44A3.....	C-192
YA38LTC12FX.....	C-52	YA3C2TC38E2.....	C-36	YA44A8.....	C-192
YA38LTC38FX.....	C-52	YA3C2TC38FXB.....	C-79	YA44L.....	C-17
YA38LTC516FX.....	C-52	YA3C2TC38SL.....	C-94	YA44L2.....	C-17
YA38LTC58FX.....	C-52	YA3C2TC38SLBOX500.....	C-94	YA44L23.....	C-17
YA38N.....	C-24	YA3C2TC516FXB.....	C-79	YA44L2NNTFX.....	C-73
YA38TC12FXB.....	C-66	YA3CL.....	C-14	YA44L2NNTFXSL.....	C-93
YA38TC58FXB.....	C-66	YA3CL2TC14.....	C-31	YA44L2NT38FX.....	C-73
YA39.....	C-24	YA3CL2TC38.....	C-31	YA44L2NTC12E24.....	C-34
YA392ENNT.....	C-42	YA3CLB.....	C-60	YA44L2NTCFX.....	C-70
YA392L.....	C-32	YA3CLNT14.....	C-19	YA44L2TC12.....	C-32
YA392LN.....	C-32	YA3CLNT516.....	C-19	YA44L2TC12E3FX.....	C-70
YA392LNN131T12E.....	C-102	YA3CN.....	C-22	YA44L2TC12FX.....	C-70
YA392N.....	C-38	YA3CTC14.....	C-22	YA44L2TC38FX.....	C-70
YA392NNT.....	C-42	YA3CTC38.....	C-22	YA44L2TC58FX.....	C-70
YA392NT38.....	C-42	YA40.....	C-24	YA44LB.....	C-60
YA392NT38E16.....	C-42	YA402L.....	C-32	YA44LNT12FX.....	C-55
YA392NT58.....	C-42	YA402LN.....	C-32	YA44LNT38FX.....	C-55
YA392NU.....	C-91	YA402N.....	C-38	YA44LTC12FX.....	C-52
YA392TC38.....	C-38	YA402NFXB.....	C-81	YA44LTC58FX.....	C-52
YA39A1.....	C-189	YA402NU.....	C-91	YA44N.....	C-24
YA39A13.....	C-192	YA40L.....	C-17	YA44TC58FXB.....	C-66
YA39A1N131TD12E.....	C-103	YA40L2NNTFX.....	C-73	YA45.....	C-24
YA39A3.....	C-189	YA40L2NTCFX.....	C-70	YA452N.....	C-38
YA39A34.....	C-189	YA40L2TC38.....	C-32	YA452NU.....	C-92
YA39A5.....	C-192	YA40L2TC38FX.....	C-70	YA4532N.....	C-38
YA39A5N131TD12E.....	C-103	YA40LB.....	C-60	YA453LBOX.....	C-17
YA39A7.....	C-192	YA40LENT12FX.....	C-55	YA454N.....	C-47
YA39AM2.....	C-192	YA40LTC12FX.....	C-52	YA454NU.....	C-92
YA39L.....	C-17	YA40LTC38FX.....	C-52	YA45A5.....	C-192

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YA45L.....	C-17	YA4CTC38.....	C-22	YA8C2TC14E2.....	C-36
YA45L2NT38FX.....	C-73	YA5C.....	C-22	YA8C2TC14E2FXB.....	C-79
YA46.....	C-24	YA5C2L.....	C-30	YA8C2TC38.....	C-36
YA462N.....	C-38	YA5C2N.....	C-36	YA8C2TC38FXB.....	C-79
YA462NFXB.....	C-81	YA5C2NU.....	C-90	YA8CA1.....	C-188
YA462NU.....	C-92	YA5CL.....	C-14	YA8CA3.....	C-188
YA464N.....	C-47	YA5CLB.....	C-60	YA8CA3S56T14E.....	C-102
YA464NU.....	C-92	YA5CN.....	C-22	YA8CL1BOX.....	C-14, C-50
YA46A3.....	C-192	YA5CTC14FXB.....	C-65	YA8CL2BOX.....	C-14, C-50
YA46A5.....	C-192	YA6C.....	C-22	YA8CL2TC10.....	C-30, C-68
YA46L.....	C-17	YA6C2L.....	C-30	YA8CL2TC10E2.....	C-30
YA46N.....	C-24	YA6C2L51.....	C-30	YA8CL2TC14.....	C-30, C-68
YA46TC58FXB.....	C-66	YA6C2L52.....	C-30	YA8CL2TC14E1.....	C-30, C-68
YA47.....	C-24	YA6C2LN.....	C-30	YA8CL2TC14E2.....	C-30, C-68
YA472N.....	C-38	YA6C2N.....	C-36	YA8CL2TC38.....	C-30, C-68
YA472NU.....	C-92	YA6C2NT8.....	C-40	YA8CL3BOX.....	C-14, C-50
YA474N.....	C-47	YA6C2NU.....	C-90	YA8CL4BOX.....	C-14, C-50
YA47N.....	C-24	YA6C2TC14.....	C-36	YA8CLB.....	C-60
YA48.....	C-24	YA6C2TC14E1.....	C-36	YA8CLBOX.....	C-14, C-50
YA482N.....	C-38	YA6C2TC14E2.....	C-36	YA8CLNT6.....	C-19
YA482NU.....	C-92	YA6C2TC38.....	C-36	YA8CLNT8.....	C-19
YA484N.....	C-47	YA6C2TC38E2.....	C-36	YA8CTC10.....	C-22
YA4864N.....	C-47	YA6C2TC38E6.....	C-36	YA8CTC14.....	C-22
YA48A3.....	C-192	YA6C2TC38SL.....	C-94	YA8CTC14FXB.....	C-65
YA48L.....	C-17	YA6C2TC38SLBOX500.....	C-94	YA8CTC38.....	C-22
YA48N.....	C-24	YA6CA1.....	C-188	YAAKIT1.....	C-193
YA4C.....	C-22	YA6CA3.....	C-188	YAAKIT2.....	C-193
YA4C2L.....	C-30	YA6CL1BOX.....	C-14	YAAKIT3.....	C-193
YA4C2LN.....	C-30	YA6CL231.....	B-16	YAB252LH70.....	H-42
YA4C2N.....	C-36	YA6CL2TC10.....	C-30	YAB252LH71.....	H-42
YA4C2NT10.....	C-40	YA6CL2TC14.....	C-30	YAB2C2LH74.....	H-42
YA4C2NT14.....	C-40	YA6CL2TC14E.....	C-30	YAB2C2LH75.....	H-42
YA4C2NU.....	C-90	YA6CL2TC14E1.....	C-30	YAB344N.....	C-47
YA4C2TC14.....	C-36	YA6CL2TC14E2.....	C-30	YAB364N.....	C-47
YA4C2TC14E2.....	C-36	YA6CL2TC14E2SL.....	C-93	YAB394N.....	C-47
YA4C2TC38.....	C-36	YA6CL2TC38.....	C-30	YAB4C2LH72.....	H-42
YA4CA1.....	C-188	YA6CL2TC516.....	C-30	YACCASE.....	N-90
YA4CA3.....	C-188	YA6CL2TC516E2.....	C-30	YACFC.....	N-90
YA4CA6.....	C-188	YA6CL3BOX.....	C-14	YAD1010.....	B-5
YA4CL1BOX.....	C-14	YA6CL4BOX.....	C-14	YAD1010F.....	B-31
YA4CL2TC14.....	C-30	YA6CL6.....	C-14	YAD1014.....	B-5
YA4CL2TC14E1.....	C-30	YA6CLBOX.....	C-14	YAD1014F.....	B-31
YA4CL2TC14E2.....	C-30	YA6CLNT6.....	C-19	YAD1014M.....	B-5
YA4CL2TC38.....	C-30	YA6CN.....	C-22	YAD1038.....	B-5
YA4CL2TC516.....	C-30	YA6CTC10.....	C-22	YAD1038M.....	B-5
YA4CL3BOX.....	C-14	YA6CTC38.....	C-22	YAD10516.....	B-5
YA4CL4BOX.....	C-14	YA6CTC516.....	C-22	YAD10516M.....	B-5
YA4CL6BOX.....	C-14	YA6CTC8.....	C-22	YAD106.....	B-5
YA4CLB.....	C-60	YA8C2LN.....	C-30	YAD106F.....	B-31
YA4CLBOX.....	C-14	YA8C2N.....	C-36	YAD108.....	B-5
YA4CLNT10.....	C-19	YA8C2NT8.....	C-40	YAD108F.....	B-31
YA4CN.....	C-22	YA8C2NU.....	C-90	YAD108M.....	B-5
YA4CTC10.....	C-22	YA8C2TC14.....	C-36	YAD1410.....	B-5

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAD1410F.....	B-31	YAD27M8E516.....	B-7	YAE10N111LFBOX.....	B-40
YAD1410M.....	B-5	YAD28M10E38.....	B-7	YAE10N112BFBOX.....	B-44
YAD1414.....	B-5	YAD28M12E12.....	B-7	YAE10N112LFBOX.....	B-40
YAD1414F.....	B-31	YAD28M16E58.....	B-7	YAE10N11BOX.....	B-11
YAD1414M.....	B-5	YAD28M20E34.....	B-7	YAE10N11M.....	B-11
YAD1438.....	B-5	YAD28M6E14.....	B-7	YAE10N2.....	B-11
YAD1438M.....	B-5	YAD28M8E516.....	B-7	YAE10N2BOX.....	B-11
YAD144.....	B-5	YAD2CM10E38.....	B-6	YAE10N2M.....	B-11
YAD14516.....	B-5	YAD2CM12E12.....	B-6	YAE10N3.....	B-11
YAD146.....	B-5	YAD2CM16E58.....	B-6	YAE10N3BOX.....	B-11
YAD146F.....	B-31	YAD2CM20E34.....	B-6	YAE10N3M.....	B-11
YAD146M.....	B-5	YAD2CM6E14.....	B-6	YAE10N4.....	B-11
YAD148.....	B-5	YAD2CM8E516.....	B-6	YAE10N4BOX.....	B-11
YAD148F.....	B-31	YAD30M10E38.....	B-7	YAE10N4M.....	B-11
YAD148M.....	B-5	YAD30M12E12.....	B-7	YAE10N5.....	B-11
YAD1810.....	B-5	YAD30M16E58.....	B-7	YAE10N5BOX.....	B-11
YAD1810F.....	B-31	YAD30M20E34.....	B-7	YAE10N5M.....	B-11
YAD1810M.....	B-5	YAD31M10E38.....	B-7	YAE10N79BOX.....	B-11
YAD1814.....	B-5	YAD31M12E12.....	B-7	YAE10N80FBOX.....	B-35
YAD1814F.....	B-31	YAD31M16E58.....	B-7	YAE10N81FBOX.....	B-35
YAD1814M.....	B-5	YAD31M20E34.....	B-7	YAE10N82FBOX.....	B-35
YAD1838.....	B-5	YAD33M10E38.....	B-7	YAE10N83FBOX.....	B-35
YAD184.....	B-5	YAD33M12E12.....	B-7	YAE10NBOX.....	B-11
YAD184M.....	B-5	YAD33M16E58.....	B-7	YAE10NM.....	B-11
YAD18516.....	B-5	YAD33M20E34.....	B-7	YAE12N.....	B-11
YAD186.....	B-5	YAD36M10E38.....	B-7	YAE12N1.....	B-11
YAD186F.....	B-31	YAD36M12E12.....	B-7	YAE12N1BOX.....	B-11
YAD186M.....	B-5	YAD36M16E58.....	B-7	YAE12N1M.....	B-11
YAD188.....	B-5	YAD36M20E34.....	B-7	YAE12N2.....	B-11
YAD188F.....	B-31	YAD4CM10E38.....	B-6	YAE12N2BOX.....	B-11
YAD188M.....	B-5	YAD4CM12E12.....	B-6	YAE12N2M.....	B-11
YAD1CM10E38.....	B-6	YAD4CM16E58.....	B-6	YAE12N7.....	B-11
YAD1CM12E12.....	B-6	YAD4CM20E34.....	B-6	YAE12N7BOX.....	B-11
YAD1CM16E58.....	B-6	YAD4CM5E10.....	B-6	YAE12N7M.....	B-11
YAD1CM20E34.....	B-6	YAD4CM6E14.....	B-6	YAE12N9.....	B-11
YAD1CM6E14.....	B-6	YAD4CM8E516.....	B-6	YAE12N9BOX.....	B-11
YAD1CM8E516.....	B-6	YAD6CM10E38.....	B-6	YAE12N9M.....	B-11
YAD25M10E38.....	B-6	YAD6CM12E12.....	B-6	YAE12NBOX.....	B-11
YAD25M12E12.....	B-6	YAD6CM5E10.....	B-6	YAE12NM.....	B-11
YAD25M16E58.....	B-6	YAD6CM6E14.....	B-6	YAE12Z2.....	B-48
YAD25M20E34.....	B-6	YAD6CM8E516.....	B-6	YAE12Z2BOX.....	B-48
YAD25M6E14.....	B-6	YAD8CM10E38.....	B-6	YAE12Z3.....	B-48
YAD25M8E516.....	B-6	YAD8CM12E12.....	B-6	YAE12Z3BOX.....	B-48
YAD26M10E38.....	B-7	YAD8CM16E58.....	B-6	YAE12Z4.....	B-48
YAD26M12E12.....	B-7	YAD8CM4E8.....	B-6	YAE12Z4BOX.....	B-48
YAD26M16E58.....	B-7	YAD8CM5E10.....	B-6	YAE14N.....	B-11
YAD26M20E34.....	B-7	YAD8CM6E14.....	B-6	YAE14N1.....	B-11
YAD26M6E14.....	B-7	YAD8CM8E516.....	B-6	YAE14N107BFBOX.....	B-44
YAD26M8E516.....	B-7	YAE10N.....	B-11	YAE14N107LFBOX.....	B-40
YAD27M10E38.....	B-7	YAE10N11.....	B-11	YAE14N108BFBOX.....	B-44
YAD27M12E12.....	B-7	YAE10N110BFBOX.....	B-44	YAE14N108LFBOX.....	B-40
YAD27M16E58.....	B-7	YAE10N110LFBOX.....	B-40	YAE14N109BFBOX.....	B-44
YAD27M20E34.....	B-7	YAE10N111BFBOX.....	B-44	YAE14N109LFBOX.....	B-40

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAE14N1BOX	B-11	YAE18N26	B-11	YAE22Z3BOX	B-48
YAE14N1M	B-11	YAE18N26BOX	B-11	YAEBAF1CNTN	C-205
YAE14N2	B-11	YAE18N26M	B-11	YAEBAF1CNTNOEM	C-205
YAE14N2BOX	B-11	YAE18N2BOX	B-11	YAEBAF1CPTN	C-205
YAE14N2M	B-11	YAE18N2M	B-11	YAEBAF1CPTNOEM	C-205
YAE14N3	B-11	YAE18N3	B-11	YAEBAF25NTN	C-205
YAE14N3BOX	B-11	YAE18N3BOX	B-11	YAEBAF25NTNOEM	C-205
YAE14N3M	B-11	YAE18N3M	B-11	YAEBAF25PTN	C-205
YAE14N4	B-11	YAE18N56F	B-35	YAEBAF25PTNOEM	C-205
YAE14N43	B-11	YAE18N56FBOX	B-35	YAEBAF26NTN	C-205
YAE14N43BOX	B-11	YAE18N57F	B-35	YAEBAF26NTNOEM	C-205
YAE14N43M	B-11	YAE18N57FBOX	B-35	YAEBAF26PTN	C-205
YAE14N4BOX	B-11	YAE18N57FM	B-35	YAEBAF26PTNOEM	C-205
YAE14N4M	B-11	YAE18N58FBOX	B-35	YAEBAF27NTN	C-205
YAE14N76F	B-35	YAE18N60F	B-35	YAEBAF27NTNOEM	C-205
YAE14N76FBOX	B-35	YAE18N60FBOX	B-35	YAEBAF27PTN	C-205
YAE14N77F	B-35	YAE18NBOX	B-11	YAEBAF27PTNOEM	C-205
YAE14N77FBOX	B-35	YAE18NM	B-11	YAEBAF28NTN	C-205
YAE14N77FM	B-35	YAE18Z1	B-48	YAEBAF28NTNOEM	C-205
YAE14N78F	B-35	YAE18Z1BOX	B-48	YAEBAF28PTN	C-205
YAE14N78FBOX	B-35	YAE18Z2	B-48	YAEBAF28PTNOEM	C-205
YAE14N78FM	B-35	YAE18Z2BOX	B-48	YAEBAF2CNTN	C-205
YAE14NBOX	B-11	YAE18Z3	B-48	YAEBAF2CNTNOEM	C-205
YAE14NM	B-11	YAE18Z3BOX	B-48	YAEBAF2CPTN	C-205
YAE14Z2	B-48	YAE18Z4	B-48	YAEBAF2CPTNOEM	C-205
YAE14Z2BOX	B-48	YAE18Z4BOX	B-48	YAEBAS1CNTN	C-204
YAE14Z3	B-48	YAE22G12	B-10	YAEBAS1CNTNOEM	C-204
YAE14Z3BOX	B-48	YAE22G12BOX	B-10	YAEBAS1CPTN	C-204
YAE14Z4	B-48	YAE22G13	B-10	YAEBAS1CPTNOEM	C-204
YAE14Z4BOX	B-48	YAE22G13BOX	B-10	YAEBAS25NTN	C-204
YAE18G43F	B-35	YAE22G13M	B-10	YAEBAS25NTNOEM	C-204
YAE18G43FBOX	B-35	YAE22G14	B-10	YAEBAS25PTN	C-204
YAE18G43FM	B-35	YAE22G14BOX	B-10	YAEBAS25PTNOEM	C-204
YAE18N	B-11	YAE22G15	B-10	YAEBAS26NTN	C-204
YAE18N1	B-11	YAE22G15BOX	B-10	YAEBAS26NTNOEM	C-204
YAE18N104BFBOX	B-44	YAE22G16	B-10	YAEBAS26PTN	C-204
YAE18N104LFBOX	B-40	YAE22G16BOX	B-10	YAEBAS26PTNOEM	C-204
YAE18N105BFBOX	B-44	YAE22G16M	B-10	YAEBAS27NTN	C-204
YAE18N105LFBOX	B-40	YAE22G18	B-10	YAEBAS27NTNOEM	C-204
YAE18N106BFBOX	B-44	YAE22G18BOX	B-10	YAEBAS27PTN	C-204
YAE18N106LFBOX	B-40	YAE22G18M	B-10	YAEBAS27PTNOEM	C-204
YAE18N15	B-11	YAE22N65F	B-35	YAEBAS28NTN	C-204
YAE18N15BOX	B-11	YAE22N65FBOX	B-35	YAEBAS28NTNOEM	C-204
YAE18N15M	B-11	YAE22N65FM	B-35	YAEBAS28PTN	C-204
YAE18N1BOX	B-11	YAE22N66F	B-35	YAEBAS28PTNOEM	C-204
YAE18N2	B-11	YAE22N66FBOX	B-35	YAEBAS2CNTN	C-204
YAE18N21	B-11	YAE22N66FM	B-35	YAEBAS2CNTNOEM	C-204
YAE18N21BOX	B-11	YAE22Z1	B-48	YAEBAS2CPTN	C-204
YAE18N21M	B-11	YAE22Z1BOX	B-48	YAEBAS2CPTNOEM	C-204
YAE18N24	B-11	YAE22Z2	B-48	YAEBAS4CNTN	C-204
YAE18N24BOX	B-11	YAE22Z2BOX	B-48	YAEBAS4CNTNOEM	C-204
YAE18N24M	B-11	YAE22Z3	B-48	YAEBAS4CPTN	C-204

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAEBAS4CPTNOEM.....	C-204	YAES18N3.....	B-9	YAEV26H3.....	B-27
YAEBAS6CNTN.....	C-204	YAES18N3F.....	B-34	YAEV26L.....	B-25
YAEBAS6CNTNOEM.....	C-204	YAES18N4.....	B-9	YAEV26L1.....	B-25
YAEBAS6CPTN.....	C-204	YAES18N48.....	B-9	YAEV26L2.....	B-25
YAEBAS6CPTNOEM.....	C-204	YAES18N49.....	B-9	YAEV26L3.....	B-25
YAES10K11.....	B-14	YAES18N49F.....	B-34	YAEV26L3BOX.....	B-25
YAES10K11T1.....	B-14	YAES18N5.....	B-9	YAEV26LBOX.....	B-25
YAES10K12.....	B-14	YAES18N50.....	B-9	YAEV26RS.....	B-29
YAES10K13.....	B-14	YAES18N50F.....	B-34	YAEV2CH.....	B-26
YAES10K14.....	B-14	YAEV10.....	B-24	YAEV2CH1.....	B-26
YAES10K56.....	B-14	YAEV10BOX.....	B-24	YAEV2CH2.....	B-26
YAES10K57.....	B-14	YAEV10L36.....	B-24	YAEV2CH3.....	B-26
YAES10K58.....	B-14	YAEV10L36BOX.....	B-24	YAEV2CH4.....	B-26
YAES10N11.....	B-9	YAEV10T11.....	B-24	YAEV2CL.....	B-25
YAES10N11F.....	B-34	YAEV10T11BOX.....	B-24	YAEV2CL1.....	B-25
YAES10N12.....	B-9	YAEV10T2.....	B-24	YAEV2CL1BOX.....	B-25
YAES10N12F.....	B-34	YAEV10T2BOX.....	B-24	YAEV2CL2.....	B-25
YAES10N13.....	B-9	YAEV10T3.....	B-24	YAEV2CL2BOX.....	B-25
YAES10N14.....	B-9	YAEV10T3BOX.....	B-24	YAEV2CL3.....	B-25
YAES10N56.....	B-9	YAEV10T4.....	B-24	YAEV2CL3BOX.....	B-25
YAES10N56F.....	B-34	YAEV10T4BOX.....	B-24	YAEV2CL4.....	B-25
YAES10N57.....	B-9	YAEV10T7.....	B-24	YAEV2CLBOX.....	B-25
YAES10N57F.....	B-34	YAEV10T7BOX.....	B-24	YAEV2CRS.....	B-29
YAES10N58.....	B-9	YAEV14.....	B-24	YAEV2CRS1.....	B-29
YAES14K10.....	B-14	YAEV14BOX.....	B-24	YAEV4CH.....	B-26
YAES14K53.....	B-14	YAEV18.....	B-24	YAEV4CH2.....	B-26
YAES14K54.....	B-14	YAEV18BOX.....	B-24	YAEV4CH3.....	B-26
YAES14K6.....	B-14	YAEV1CH.....	B-26	YAEV4CH4.....	B-26
YAES14K7.....	B-14	YAEV1CH1.....	B-26	YAEV4CH5.....	B-26
YAES14K8.....	B-14	YAEV1CH2.....	B-26	YAEV4CL.....	B-25
YAES14K9.....	B-14	YAEV1CH3.....	B-26	YAEV4CL2.....	B-25
YAES14N10.....	B-9	YAEV1CL.....	B-25	YAEV4CL3.....	B-25
YAES14N52.....	B-9	YAEV1CL1.....	B-25	YAEV4CL3BOX.....	B-25
YAES14N53.....	B-9	YAEV1CL2.....	B-25	YAEV4CL4.....	B-25
YAES14N53F.....	B-34	YAEV1CL3.....	B-25	YAEV4CL4BOX.....	B-25
YAES14N54.....	B-9	YAEV1CLBOX.....	B-25	YAEV4CL5.....	B-25
YAES14N54F.....	B-34	YAEV1CRS.....	B-29	YAEV4CLBOX.....	B-25
YAES14N6.....	B-9	YAEV1CRS2.....	B-29	YAEV4CRS.....	B-29
YAES14N6F.....	B-34	YAEV25H.....	B-27	YAEV4CRS2.....	B-29
YAES14N7.....	B-9	YAEV25H1.....	B-27	YAEV6CH.....	B-26
YAES14N8.....	B-9	YAEV25H2.....	B-27	YAEV6CH1.....	B-26
YAES14N8F.....	B-34	YAEV25H3.....	B-27	YAEV6CH10.....	B-26
YAES14N9.....	B-9	YAEV25H4.....	B-27	YAEV6CH2.....	B-26
YAES18K1.....	B-14	YAEV25L.....	B-25	YAEV6CH4.....	B-26
YAES18K2.....	B-14	YAEV25L1.....	B-25	YAEV6CL.....	B-25
YAES18K3.....	B-14	YAEV25L2.....	B-25	YAEV6CL1.....	B-25
YAES18K4.....	B-14	YAEV25L3.....	B-25	YAEV6CL10.....	B-25
YAES18K49.....	B-14	YAEV25L4.....	B-25	YAEV6CL10BOX.....	B-25
YAES18K5.....	B-14	YAEV25RS.....	B-29	YAEV6CL1BOX.....	B-25
YAES18K50.....	B-14	YAEV26H.....	B-27	YAEV6CL2.....	B-25
YAES18N1.....	B-9	YAEV26H1.....	B-27	YAEV6CL4.....	B-25
YAES18N1F.....	B-34	YAEV26H12.....	B-27	YAEV6CL4BOX.....	B-25
YAES18N2.....	B-9	YAEV26H2.....	B-27	YAEV6CLBOX.....	B-25

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAEV6CRS.....	B-29	YAG28L2TC516FXTZ.....	C-88	YAG38L2NTCFXTZ.....	C-89
YAEV6CRS1.....	B-29	YAG28LTC12FX.....	C-57	YAG38L2TC12FXTZ.....	C-89
YAEV8CH.....	B-26	YAG28LTC12FXTZ.....	C-86	YAG38LTC12FX.....	C-58
YAEV8CH1.....	B-26	YAG28LTC14FX.....	C-57	YAG38LTC38FX.....	C-58
YAEV8CH14.....	B-26	YAG28LTC14FXTZ.....	C-86	YAG38LTC516FX.....	C-58
YAEV8CH2.....	B-26	YAG28LTC38FX.....	C-57	YAG38LTC58FXTZ.....	C-86
YAEV8CH3.....	B-26	YAG28LTC38FXTZ.....	C-86	YAG40L2NNTFXTZ.....	C-89
YAEV8CH4.....	B-26	YAG28LTC516FX.....	C-57	YAG40LTC12FX.....	C-58
YAEV8CL.....	B-25	YAG28LTC516FXTZ.....	C-86	YAG40LTC12FXTZ.....	C-86
YAEV8CL1.....	B-25	YAG28LTC516N66FXTZ.....	C-86	YAG40LTC14FX.....	C-58
YAEV8CL14.....	B-25	YAG28LTC58FXTZ.....	C-86	YAG40LTC38FX.....	C-58
YAEV8CL14BOX.....	B-25	YAG29L2NT38FX90TZ.....	C-89	YAG40LTC516FX.....	C-58
YAEV8CL1BOX.....	B-25	YAG29L2NT38FXTZ.....	C-89	YAG44L2NTCFXTZ.....	C-89
YAEV8CL2.....	B-25	YAG29L2NTCFXTZ.....	C-89	YAG44L2TC38FXTZ.....	C-89
YAEV8CL2BOX.....	B-25	YAG29L2TC38FXTZ.....	C-89	YAG44LTC12FX.....	C-58
YAEV8CL3.....	B-25	YAG29LTC12FX.....	C-58	YAG44LTC38FX.....	C-58
YAEV8CL3BOX.....	B-25	YAG29LTC38FX.....	C-58	YAG44LTC516FX.....	C-58
YAEV8CL4.....	B-25	YAG29LTC38FXTZ.....	C-86	YAG4CL2TC14FXTZ.....	C-88
YAEV8CL4BOX.....	B-25	YAG29LTC516FXTZ.....	C-86	YAG4CLTC12FX.....	C-57
YAEV8CLBOX.....	B-25	YAG29LTC58FX.....	C-58	YAG4CLTC14FX.....	C-57
YAEV8CRS.....	B-29	YAG2CL2NTCFXTZ.....	C-88	YAG4CLTC14FXTZ.....	C-85
YAEV8CRS1.....	B-29	YAG2CL2TC14FXTZ.....	C-88	YAG4CLTC38FX.....	C-57
YAG1CLTC12FX.....	C-57	YAG2CLTC12FX.....	C-57	YAG4CLTC38FXTZ.....	C-85
YAG1CLTC14FX.....	C-57	YAG2CLTC12FXTZ.....	C-85	YAG4CLTC516FX.....	C-57
YAG1CLTC38FX.....	C-57	YAG2CLTC14FX.....	C-57	YAG4CLTC516FXTZ.....	C-85
YAG1CLTC516FX.....	C-57	YAG2CLTC14FXTZ.....	C-85	YAG6CL2TC14FXTZ.....	C-88
YAG1CLTC516FXTZ.....	C-85	YAG2CLTC38FX.....	C-57	YAG6CLTC12FX.....	C-57
YAG25LTC12FX.....	C-57	YAG2CLTC38FXTZ.....	C-85	YAG6CLTC12FXTZ.....	C-85
YAG25LTC12FXTZ.....	C-85	YAG2CLTC516FX.....	C-57	YAG6CLTC14FX.....	C-57
YAG25LTC14FX.....	C-57	YAG2CLTC516FXTZ.....	C-85	YAG6CLTC14FXTZ.....	C-85
YAG25LTC38FX.....	C-57	YAG30LTC12FX.....	C-58	YAG6CLTC38FX.....	C-57
YAG25LTC38FXTZ.....	C-85	YAG30LTC38FX.....	C-58	YAG6CLTC38FXTZ.....	C-85
YAG25LTC516FX.....	C-57	YAG30LTC58FX.....	C-58	YAG6CLTC516FX.....	C-57
YAG26L2NTCFXTZ.....	C-88	YAG31L2NTC38FXTZ.....	C-89	YAG6CLTC516FXTZ.....	C-85
YAG26LTC12FX.....	C-57	YAG31LTC12FX.....	C-58	YAG8CL2TC14E1FXTZ.....	C-88
YAG26LTC12FXTZ.....	C-85	YAG31LTC14FX.....	C-58	YAG8CL2TC14FXTZ.....	C-88
YAG26LTC14FX.....	C-57	YAG31LTC38FX.....	C-58	YAG8CLTC12FX.....	C-57
YAG26LTC38FX.....	C-57	YAG31LTC516FX.....	C-58	YAG8CLTC14FX.....	C-57
YAG26LTC38FXTZ.....	C-85	YAG31LTC58FX.....	C-58	YAG8CLTC14FXTZ.....	C-85
YAG26LTC516FX.....	C-57	YAG32LTC12FX.....	C-58	YAG8CLTC38FXTZ.....	C-85
YAG26LTC516FXTZ.....	C-85	YAG32LTC58FX.....	C-58	YAG8CLTC516FX.....	C-57
YAG27L2NTCFXTZ.....	C-88	YAG32LTC58FXTZ.....	C-86	YAGB25LTC12FX.....	C-206
YAG27LTC12FX.....	C-57	YAG34L2NTCFXTZ.....	C-89	YAGB25LTC12FXOEM.....	C-206
YAG27LTC12FXTZ.....	C-85	YAG34L2TC38FXTZ.....	C-89	YAGB25LTC14FX.....	C-206
YAG27LTC14FX.....	C-57	YAG34LTC12FX.....	C-58	YAGB25LTC14FXOEM.....	C-206
YAG27LTC14FXTZ.....	C-85	YAG34LTC12FXTZ.....	C-86	YAGB25LTC38FX.....	C-206
YAG27LTC38FX.....	C-57	YAG34LTC38FX.....	C-58	YAGB25LTC38FXOEM.....	C-206
YAG27LTC38FXTZ.....	C-85	YAG34LTC38FXTZ.....	C-86	YAGB25LTC516FX.....	C-206
YAG27LTC516FX.....	C-57	YAG34LTC516FX.....	C-58	YAGB25LTC516FXOEM.....	C-206
YAG28L2NT38FXTZ.....	C-88	YAG34LTC516FXTZ.....	C-86	YAGB26LTC12FX.....	C-206
YAG28L2NTCFXTZ.....	C-88	YAG34LTC516N66FXTZ.....	C-86	YAGB26LTC12FXOEM.....	C-206
YAG28L2TC38FXDTTZ.....	C-88	YAG34LTC58FX.....	C-58	YAGB26LTC14FX.....	C-206
YAG28L2TC38FXTZ.....	C-88	YAG36LTC38FX.....	C-58	YAGB26LTC14FXOEM.....	C-206

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAGB26LTC38FX.....	C-206	YAK311A2G2	H-81	YALB150F2M10.....	C-128
YAGB26LTC38FXOEM.....	C-206	YAK31A2G1	H-81	YALB150F2M12.....	C-128
YAGB26LTC516FX.....	C-206	YAK31A2G2	H-81	YALB150F2M14.....	C-128
YAGB26LTC516FXOEM.....	C-206	YAK34A2G1	H-81	YALB150F2M16.....	C-128
YAGB28LTC12FX.....	C-206	YAK34A2G2	H-81	YALB150F2M20.....	C-128
YAGB28LTC12FXOEM.....	C-206	YAK361A2G1.....	H-81	YALB150F2M8.....	C-128
YAGB28LTC14FX.....	C-206	YAK361A2G2.....	H-81	YALB150FM10.....	C-122
YAGB28LTC14FXOEM.....	C-206	YAK39A2G1.....	H-81	YALB150FM12.....	C-122
YAGB28LTC38FX.....	C-206	YAK39A2G2.....	H-81	YALB150FM14.....	C-122
YAGB28LTC38FXOEM.....	C-206	YAK44A2NG7.....	H-81	YALB150FM16.....	C-122
YAGB28LTC516FX.....	C-206	YAK44A2NG8.....	H-81	YALB150FM20.....	C-122
YAGB28LTC516FXOEM.....	C-206	YALB102M10.....	C-115	YALB150FM8.....	C-122
YAGB2CLTC10FX.....	C-206	YALB102M12.....	C-115	YALB150M10.....	C-110
YAGB2CLTC10FXOEM.....	C-206	YALB102M4.....	C-115	YALB150M12.....	C-110
YAGB2CLTC12FX.....	C-206	YALB102M5.....	C-115	YALB150M14.....	C-110
YAGB2CLTC12FXOEM.....	C-206	YALB102M6.....	C-115	YALB150M16.....	C-110
YAGB2CLTC14FX.....	C-206	YALB102M8.....	C-115	YALB150M20.....	C-110
YAGB2CLTC14FXOEM.....	C-206	YALB10M10.....	C-109	YALB150M8.....	C-110
YAGB2CLTC38FX.....	C-206	YALB10M12.....	C-109	YALB162M10.....	C-115
YAGB2CLTC38FXOEM.....	C-206	YALB10M4.....	C-109	YALB162M12.....	C-115
YAGB2CLTC516FX.....	C-206	YALB10M5.....	C-109	YALB162M4.....	C-115
YAGB2CLTC516FXOEM.....	C-206	YALB10M6.....	C-109	YALB162M5.....	C-115
YAGB4CLTC10FX.....	C-206	YALB10M8.....	C-109	YALB162M6.....	C-115
YAGB4CLTC10FXOEM.....	C-206	YALB1202M10.....	C-116	YALB162M8.....	C-115
YAGB4CLTC12FX.....	C-206	YALB1202M12.....	C-116	YALB16M10.....	C-109
YAGB4CLTC12FXOEM.....	C-206	YALB1202M14.....	C-116	YALB16M12.....	C-109
YAGB4CLTC14FX.....	C-206	YALB1202M16.....	C-116	YALB16M4.....	C-109
YAGB4CLTC14FXOEM.....	C-206	YALB1202M20.....	C-116	YALB16M5.....	C-109
YAGB4CLTC38FX.....	C-206	YALB1202M8.....	C-116	YALB16M6.....	C-109
YAGB4CLTC38FXOEM.....	C-206	YALB120F2M10.....	C-128	YALB16M8.....	C-109
YAGB4CLTC516FX.....	C-206	YALB120F2M12.....	C-128	YALB1852M10.....	C-116
YAGB4CLTC516FXOEM.....	C-206	YALB120F2M14.....	C-128	YALB1852M12.....	C-116
YAGB6CLTC10FX.....	C-206	YALB120F2M16.....	C-128	YALB1852M14.....	C-116
YAGB6CLTC10FXOEM.....	C-206	YALB120F2M20.....	C-128	YALB1852M16.....	C-116
YAGB6CLTC12FX.....	C-206	YALB120F2M8.....	C-128	YALB1852M20.....	C-116
YAGB6CLTC12FXOEM.....	C-206	YALB120FM10.....	C-122	YALB1852M8.....	C-116
YAGB6CLTC14FX.....	C-206	YALB120FM12.....	C-122	YALB185F2M10.....	C-129
YAGB6CLTC14FXOEM.....	C-206	YALB120FM14.....	C-122	YALB185F2M12.....	C-129
YAGB6CLTC38FX.....	C-206	YALB120FM16.....	C-122	YALB185F2M14.....	C-129
YAGB6CLTC38FXOEM.....	C-206	YALB120FM20.....	C-122	YALB185F2M16.....	C-129
YAGB6CLTC516FX.....	C-206	YALB120FM8.....	C-122	YALB185F2M20.....	C-129
YAGB6CLTC516FXOEM.....	C-206	YALB120M10.....	C-110	YALB185F2M8.....	C-129
YAIT1210Y.....	B-72	YALB120M12.....	C-110	YALB185FM10.....	C-123
YAIT1814B.....	B-72	YALB120M14.....	C-110	YALB185FM12.....	C-123
YAIT2218R.....	B-72	YALB120M16.....	C-110	YALB185FM14.....	C-123
YAK25A2G1.....	H-81	YALB120M20.....	C-110	YALB185FM16.....	C-123
YAK25A2G2.....	H-81	YALB120M8.....	C-110	YALB185FM20.....	C-123
YAK28A2G1.....	H-81	YALB1502M10.....	C-116	YALB185FM8.....	C-123
YAK28A2G2.....	H-81	YALB1502M12.....	C-116	YALB185M10.....	C-110
YAK29A2G1.....	H-81	YALB1502M14.....	C-116	YALB185M12.....	C-110
YAK2CA2G1.....	H-81	YALB1502M16.....	C-116	YALB185M14.....	C-110
YAK2CA2G2.....	H-81	YALB1502M20.....	C-116	YALB185M16.....	C-110
YAK311A2G1.....	H-81	YALB1502M8.....	C-116	YALB185M20.....	C-110

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YALB185M8	C-110	YALB352M5	C-115	YALB50FM8	C-122
YALB2402M10	C-117	YALB352M6	C-115	YALB50M10	C-109
YALB2402M12	C-117	YALB352M8	C-115	YALB50M12	C-109
YALB2402M14	C-117	YALB35M10	C-109	YALB50M14	C-109
YALB2402M16	C-117	YALB35M12	C-109	YALB50M16	C-109
YALB2402M20	C-117	YALB35M5	C-109	YALB50M6	C-109
YALB240F2M10	C-129	YALB35M6	C-109	YALB50M8	C-109
YALB240F2M12	C-129	YALB35M8	C-109	YALB6302M12	C-117
YALB240F2M14	C-129	YALB4002M12	C-117	YALB6302M16	C-117
YALB240F2M16	C-129	YALB4002M14	C-117	YALB6302M20	C-117
YALB240F2M20	C-129	YALB4002M16	C-117	YALB630F2M12	C-129
YALB240FM10	C-123	YALB4002M20	C-117	YALB630F2M16	C-129
YALB240FM12	C-123	YALB400F2M12	C-129	YALB630F2M20	C-129
YALB240FM14	C-123	YALB400F2M14	C-129	YALB630FM12	C-123
YALB240FM16	C-123	YALB400F2M16	C-129	YALB630FM16	C-123
YALB240FM20	C-123	YALB400F2M20	C-129	YALB630FM20	C-123
YALB240M10	C-110	YALB400FM12	C-123	YALB630M12	C-110
YALB240M12	C-110	YALB400FM14	C-123	YALB630M16	C-110
YALB240M14	C-110	YALB400FM16	C-123	YALB630M20	C-110
YALB240M16	C-110	YALB400FM20	C-123	YALB702M10	C-116
YALB240M20	C-110	YALB400M12	C-110	YALB702M12	C-116
YALB252M10	C-115	YALB400M14	C-110	YALB702M14	C-116
YALB252M12	C-115	YALB400M16	C-110	YALB702M16	C-116
YALB252M5	C-115	YALB400M20	C-110	YALB702M6	C-116
YALB252M6	C-115	YALB5002M12	C-117	YALB702M8	C-116
YALB252M8	C-115	YALB5002M16	C-117	YALB70F2M10	C-128
YALB25M10	C-109	YALB5002M20	C-117	YALB70F2M12	C-128
YALB25M12	C-109	YALB500F2M12	C-129	YALB70F2M14	C-128
YALB25M5	C-109	YALB500F2M16	C-129	YALB70F2M16	C-128
YALB25M6	C-109	YALB500F2M20	C-129	YALB70F2M6	C-128
YALB25M8	C-109	YALB500FM12	C-123	YALB70F2M8	C-128
YALB3002M10	C-117	YALB500FM16	C-123	YALB70FM10	C-122
YALB3002M12	C-117	YALB500FM20	C-123	YALB70FM12	C-122
YALB3002M14	C-117	YALB500M12	C-110	YALB70FM14	C-122
YALB3002M16	C-117	YALB500M16	C-110	YALB70FM16	C-122
YALB3002M20	C-117	YALB500M20	C-110	YALB70FM6	C-122
YALB300F2M10	C-129	YALB502M10	C-115	YALB70FM8	C-122
YALB300F2M12	C-129	YALB502M12	C-115	YALB70M10	C-109
YALB300F2M14	C-129	YALB502M14	C-115	YALB70M12	C-109
YALB300F2M16	C-129	YALB502M16	C-115	YALB70M14	C-109
YALB300F2M20	C-129	YALB502M6	C-115	YALB70M16	C-109
YALB300FM10	C-123	YALB502M8	C-115	YALB70M6	C-109
YALB300FM12	C-123	YALB50F2M10	C-128	YALB70M8	C-109
YALB300FM14	C-123	YALB50F2M12	C-128	YALB952M10	C-116
YALB300FM16	C-123	YALB50F2M14	C-128	YALB952M12	C-116
YALB300FM20	C-123	YALB50F2M16	C-128	YALB952M14	C-116
YALB300M10	C-110	YALB50F2M6	C-128	YALB952M16	C-116
YALB300M12	C-110	YALB50F2M8	C-128	YALB952M20	C-116
YALB300M14	C-110	YALB50FM10	C-122	YALB952M8	C-116
YALB300M16	C-110	YALB50FM12	C-122	YALB95F2M10	C-128
YALB300M20	C-110	YALB50FM14	C-122	YALB95F2M12	C-128
YALB352M10	C-115	YALB50FM16	C-122	YALB95F2M14	C-128
YALB352M12	C-115	YALB50FM6	C-122	YALB95F2M16	C-128

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YALB95F2M20	C-128	YAV1027090.....	B-16	YAV1202M8.....	C-113
YALB95F2M8.....	C-128	YAV102M10.....	C-112	YAV120F2M10.....	C-125
YALB95FM10.....	C-122	YAV102M12.....	C-112	YAV120F2M12.....	C-125
YALB95FM12.....	C-122	YAV102M4.....	C-112	YAV120F2M14.....	C-125
YALB95FM14.....	C-122	YAV102M5.....	C-112	YAV120F2M16.....	C-125
YALB95FM16.....	C-122	YAV102M6.....	C-112	YAV120F2M20.....	C-125
YALB95FM20.....	C-122	YAV102M8.....	C-112	YAV120F2M8.....	C-125
YALB95FM8.....	C-122	YAV102TC10.....	C-30	YAV120FM10.....	C-119
YALB95M10.....	C-109	YAV102TC1090SL.....	C-97	YAV120FM12.....	C-119
YALB95M12.....	C-109	YAV102TC10E2.....	C-30	YAV120FM14.....	C-119
YALB95M14.....	C-109	YAV102TC14.....	C-30	YAV120FM16.....	C-119
YALB95M16.....	C-109	YAV102TC14E1.....	C-30	YAV120FM20.....	C-119
YALB95M20.....	C-109	YAV102TC14E2.....	C-30	YAV120FM8.....	C-119
YALB95M8.....	C-109	YAV102TC38.....	C-30	YAV120M10.....	C-106
YAV0252M3.....	C-112	YAV10BOX.....	B-20, C-14	YAV120M12.....	C-106
YAV0252M4.....	C-112	YAV10H.....	B-23	YAV120M14.....	C-106
YAV0252M5.....	C-112	YAV10H25.....	B-23	YAV120M16.....	C-106
YAV0252M6.....	C-112	YAV10H25BOX.....	B-23	YAV120M20.....	C-106
YAV0252M8.....	C-112	YAV10H3.....	B-23	YAV120M6.....	C-106
YAV025M3.....	C-105	YAV10H3BOX.....	B-23	YAV120M8.....	C-106
YAV025M4.....	C-105	YAV10HBOX.....	B-23	YAV12G2.....	B-20
YAV025M5.....	C-105	YAV10HF.....	B-46	YAV12G2BOX.....	B-20
YAV025M6.....	C-105	YAV10HFBOX.....	B-46	YAV12G3.....	B-20
YAV025M8.....	C-105	YAV10L36.....	B-20	YAV12G3BOX.....	B-20
YAV062M10.....	C-112	YAV10L36BOX.....	B-20	YAV14.....	B-20
YAV062M4.....	C-112	YAV10M10.....	C-105	YAV14BOX.....	B-20
YAV062M5.....	C-112	YAV10M12.....	C-105	YAV14H.....	B-23
YAV062M6.....	C-112	YAV10M4.....	C-105	YAV14H1.....	B-23
YAV062M8.....	C-112	YAV10M5.....	C-105	YAV14H1BOX.....	B-23
YAV06M10.....	C-105	YAV10M6.....	C-105	YAV14H2.....	B-23
YAV06M35.....	C-105	YAV10M8.....	C-105	YAV14H2BOX.....	B-23
YAV06M4.....	C-105	YAV10R.....	B-28	YAV14H32F.....	B-46
YAV06M5.....	C-105	YAV10R3BOX.....	B-28, C-14	YAV14H32FBOX.....	B-46
YAV06M6.....	C-105	YAV10RBOX.....	C-14	YAV14H34F.....	B-46
YAV06M8.....	C-105	YAV10T11.....	B-20	YAV14H34FBOX.....	B-46
YAV10.....	B-20	YAV10T11BOX.....	B-20	YAV14H56F.....	B-46
YAV10205.....	B-16	YAV10T2.....	B-20	YAV14H56FBOX.....	B-46
YAV1020545.....	B-16	YAV10T21F.....	B-32	YAV14HBOX.....	B-23
YAV1020590.....	B-16	YAV10T21FBOX.....	B-32	YAV14HF.....	B-46
YAV10206.....	B-16	YAV10T23F.....	B-32	YAV14HFBOX.....	B-46
YAV1020645.....	B-16	YAV10T23FBOX.....	B-32	YAV14L33.....	B-20
YAV1020690.....	B-16	YAV10T2BOX.....	B-20, C-14	YAV14L33BOX.....	B-20
YAV10228.....	B-16	YAV10T3.....	B-20	YAV14L36.....	B-20
YAV1022845.....	B-16	YAV10T3BOX.....	B-20, C-14	YAV14L36BOX.....	B-20
YAV1022890.....	B-16	YAV10T4.....	B-20	YAV14R.....	B-28
YAV10265.....	B-16	YAV10T4BOX.....	B-20, C-14	YAV14RL33.....	B-28
YAV1026545.....	B-16	YAV10T7.....	B-20	YAV14T1.....	B-20
YAV1026590.....	B-16	YAV10T7BOX.....	B-20	YAV14T1BOX.....	B-20
YAV10266.....	B-16	YAV1202M10.....	C-113	YAV14T2.....	B-20
YAV1026645.....	B-16	YAV1202M12.....	C-113	YAV14T2BOX.....	B-20
YAV1026690.....	B-16	YAV1202M14.....	C-113	YAV14T3.....	B-20
YAV10270.....	B-16	YAV1202M16.....	C-113	YAV14T32F.....	B-32
YAV1027045.....	B-16	YAV1202M20.....	C-113	YAV14T32FBOX.....	B-32

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV14T34F	B-32	YAV185F2M12	C-125	YAV1CL23490.....	B-18
YAV14T34FBOX	B-32	YAV185F2M14	C-125	YAV1CL24590.....	B-17
YAV14T3BOX.....	B-20	YAV185F2M16	C-125	YAV1CL249	B-17
YAV14T5	B-20	YAV185F2M20	C-125	YAV1CL24945.....	B-17
YAV14T5BOX.....	B-20	YAV185F2M8	C-125	YAV1CL250	B-18
YAV14Z5	B-46	YAV185FM10.....	C-120	YAV1CL25045.....	B-18
YAV14Z5BOX.....	B-46	YAV185FM12.....	C-120	YAV1CL25090.....	B-18
YAV14Z6	B-46	YAV185FM14.....	C-120	YAV1CL2BOX	B-22
YAV14Z6BOX.....	B-46	YAV185FM16.....	C-120	YAV1CL2NT14FX	C-72
YAV1502M10.....	C-113	YAV185FM20.....	C-120	YAV1CL2NT516FX	C-72
YAV1502M12.....	C-113	YAV185FM8	C-120	YAV1CL2NTCFX	C-68
YAV1502M14.....	C-113	YAV185M10.....	C-106	YAV1CL2TC14E1FX	C-68
YAV1502M16.....	C-113	YAV185M12.....	C-106	YAV1CL2TC14E2FX	C-68
YAV1502M20	C-113	YAV185M14.....	C-106	YAV1CL2TC14FX	C-68
YAV1502M8.....	C-113	YAV185M16.....	C-106	YAV1CL2TC38FX	C-68
YAV150F2M10	C-125	YAV185M20.....	C-106	YAV1CL2TC516FX	C-68
YAV150F2M12	C-125	YAV185M8	C-106	YAV1CL3	B-22
YAV150F2M14	C-125	YAV18BOX	B-20	YAV1CL3BOX	B-22
YAV150F2M16	C-125	YAV18H	B-23	YAV1CLBOX	B-22
YAV150F2M20	C-125	YAV18H19F	B-46	YAV1CLTC10FX	C-50
YAV150F2M8	C-125	YAV18H19FBOX	B-46	YAV1CLTC12FX	C-50
YAV150FM10	C-119	YAV18H21F	B-46	YAV1CLTC14FX	C-50
YAV150FM12.....	C-119	YAV18H21FBOX	B-46	YAV1CLTC38FX	C-50
YAV150FM14.....	C-119	YAV18H6F	B-46	YAV1CLTC516FX.....	C-50
YAV150FM16.....	C-119	YAV18H6FBOX.....	B-46	YAV1CRS1	B-28
YAV150FM20.....	C-119	YAV18HBOX	B-23	YAV1CRS2	B-28
YAV150FM8	C-119	YAV18L33.....	B-20	YAV1CTC10FXB.....	C-65
YAV150M10.....	C-106	YAV18L33BOX.....	B-20	YAV1CTC516FXB.....	C-65
YAV150M12.....	C-106	YAV18R	B-28	YAV2402M10.....	C-113
YAV150M14.....	C-106	YAV18T1	B-20	YAV2402M12.....	C-113
YAV150M16.....	C-106	YAV18T19F.....	B-32	YAV2402M14.....	C-113
YAV150M20.....	C-106	YAV18T19FBOX.....	B-32	YAV2402M16.....	C-113
YAV150M8.....	C-106	YAV18T1BOX	B-20	YAV2402M20	C-113
YAV162M10.....	C-112	YAV18T21F.....	B-32	YAV240F2M10	C-126
YAV162M12.....	C-112	YAV18T21FBOX.....	B-32	YAV240F2M12	C-126
YAV162M4.....	C-112	YAV18T4	B-20	YAV240F2M14	C-126
YAV162M5.....	C-112	YAV18T4BOX	B-20	YAV240F2M16	C-126
YAV162M6.....	C-112	YAV18T5.....	B-20	YAV240F2M20	C-126
YAV162M8.....	C-112	YAV18T5BOX.....	B-20	YAV240FM10	C-120
YAV16M10.....	C-105	YAV1C2NFXB.....	C-79	YAV240FM12	C-120
YAV16M12.....	C-105	YAV1C2TC38FXB	C-79	YAV240FM14	C-120
YAV16M4.....	C-105	YAV1CL	B-22	YAV240FM16	C-120
YAV16M5.....	C-105	YAV1CL1	B-22	YAV240FM20.....	C-120
YAV16M6.....	C-105	YAV1CL1BOX.....	B-22	YAV240M10.....	C-106
YAV16M8.....	C-105	YAV1CL2	B-22	YAV240M12.....	C-106
YAV18	B-20	YAV1CL215	B-17	YAV240M14.....	C-106
YAV1852M10.....	C-113	YAV1CL21545.....	B-17	YAV240M16.....	C-106
YAV1852M12.....	C-113	YAV1CL21590.....	B-17	YAV240M20	C-106
YAV1852M14.....	C-113	YAV1CL216	B-18	YAV252M10.....	C-112
YAV1852M16.....	C-113	YAV1CL21645.....	B-18	YAV252M12.....	C-112
YAV1852M20	C-113	YAV1CL21690.....	B-18	YAV252M5.....	C-112
YAV1852M8.....	C-113	YAV1CL234	B-18	YAV252M6	C-112
YAV185F2M10	C-125	YAV1CL23445.....	B-18	YAV252M8	C-112

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV252TC14E2FXB.....	C-79	YAV25TC10FXB.....	C-65	YAV26LTC516FX.....	C-50
YAV252TC14FXB.....	C-79	YAV25TC12FXB.....	C-65	YAV26LTC58FX.....	C-50
YAV252TC38FXB.....	C-79	YAV25TC38FXB.....	C-65	YAV26RS.....	B-28
YAV25L.....	B-22	YAV25TC516FXB.....	C-65	YAV26RS3.....	B-28
YAV25L1.....	B-22	YAV262NFXB.....	C-79	YAV26TC12FXB.....	C-65
YAV25L1BOX.....	B-22	YAV262NTC38FXB.....	C-79	YAV26TC38FXB.....	C-65
YAV25L2.....	B-22	YAV262TC14E2FXB.....	C-79	YAV272NFXB.....	C-80
YAV25L217.....	B-18	YAV262TC14FXB.....	C-79	YAV272TC14E2FXB.....	C-80
YAV25L21745.....	B-18	YAV262TC38FXB.....	C-79	YAV272TC38FXB.....	C-80
YAV25L21790.....	B-18	YAV26L.....	B-22	YAV27L.....	B-22
YAV25L218.....	B-18	YAV26L1.....	B-22	YAV27L1.....	B-22
YAV25L21845.....	B-18	YAV26L12.....	B-22	YAV27L15.....	B-22
YAV25L21890.....	B-18	YAV26L12BOX.....	B-22	YAV27L15BOX.....	B-22
YAV25L235.....	B-18	YAV26L1BOX.....	B-22	YAV27L1BOX.....	B-22
YAV25L23545.....	B-18	YAV26L2.....	B-22	YAV27L221.....	B-18
YAV25L23590.....	B-18	YAV26L219.....	B-18	YAV27L22145.....	B-18
YAV25L251.....	B-18	YAV26L21945.....	B-18	YAV27L22190.....	B-18
YAV25L25145.....	B-18	YAV26L21990.....	B-18	YAV27L222.....	B-19
YAV25L25190.....	B-18	YAV26L220.....	B-18	YAV27L22245.....	B-19
YAV25L252.....	B-18	YAV26L22045.....	B-18	YAV27L22290.....	B-19
YAV25L25245.....	B-18	YAV26L22090.....	B-18	YAV27L255.....	B-18
YAV25L25290.....	B-18	YAV26L236.....	B-18	YAV27L25545.....	B-18
YAV25L2BOX.....	B-22	YAV26L23645.....	B-18	YAV27L25590.....	B-18
YAV25L2NT14E1FX.....	C-72	YAV26L23690.....	B-18	YAV27L256.....	B-19
YAV25L2NT14FX.....	C-72	YAV26L253.....	B-18	YAV27L25645.....	B-19
YAV25L2NT516FX.....	C-72	YAV26L25345.....	B-18	YAV27L25690.....	B-19
YAV25L2NTCFX.....	C-68	YAV26L25390.....	B-18	YAV27L2NTCFX.....	C-69
YAV25L2TC12E1FX.....	C-68	YAV26L254.....	B-18	YAV27L2TC14FX.....	C-69
YAV25L2TC14E2FX.....	C-68	YAV26L25445.....	B-18	YAV27L2TC38FX.....	C-69
YAV25L2TC14FX.....	C-68	YAV26L25490.....	B-18	YAV27L4TC14FXG1.....	C-99
YAV25L2TC38FX.....	C-68	YAV26L2BOX.....	B-22	YAV27LBOX.....	B-22
YAV25L2TC516E2FX.....	C-68	YAV26L2NT14FX.....	C-72	YAV27LNT12FX.....	C-54
YAV25L2TC516FX.....	C-68	YAV26L2NT38FX.....	C-72	YAV27LTC10FX.....	C-51
YAV25L3.....	B-22	YAV26L2NT516FX.....	C-72	YAV27LTC12FX.....	C-51
YAV25L3BOX.....	B-22	YAV26L2NTCFX.....	C-69	YAV27LTC14FX.....	C-51
YAV25L4.....	B-22	YAV26L2TC12E1FX.....	C-69	YAV27LTC38FX.....	C-51
YAV25L4BOX.....	B-22	YAV26L2TC14E2FX.....	C-69	YAV27LTC516FX.....	C-51
YAV25L4TC14FXG1.....	C-99	YAV26L2TC14FX.....	C-69	YAV27RS.....	B-28
YAV25LBOX.....	B-22	YAV26L2TC38E10FX.....	C-69	YAV27TC12FXB.....	C-65
YAV25LNT14FX.....	C-54	YAV26L2TC38FX.....	C-69	YAV282NFXB.....	C-80
YAV25LNT38FX.....	C-54	YAV26L2TC516FX.....	C-69	YAV282NT38FXB.....	C-80
YAV25LNT516FX.....	C-54	YAV26L3.....	B-22	YAV282NTC38FXB.....	C-80
YAV25LTC12FX.....	C-50	YAV26L3BOX.....	B-22	YAV282TC14E2FXB.....	C-80
YAV25LTC14FX.....	C-50	YAV26L4TC14FXG1.....	C-99	YAV282TC38FXB.....	C-80
YAV25LTC38FX.....	C-50	YAV26LBOX.....	B-22	YAV28L.....	B-22
YAV25LTC516FX.....	C-50	YAV26LNT12FX.....	C-54	YAV28L12.....	B-22
YAV25M10.....	C-105	YAV26LNT38FX.....	C-54	YAV28L12BOX.....	B-22
YAV25M12.....	C-105	YAV26LNT516FX.....	C-54	YAV28L13.....	B-22
YAV25M5.....	C-105	YAV26LTC10FX.....	C-50	YAV28L13BOX.....	B-22
YAV25M6.....	C-105	YAV26LTC12FX.....	C-50	YAV28L14.....	B-22
YAV25M8.....	C-105	YAV26LTC14FX.....	C-50	YAV28L14BOX.....	B-22
YAV25RS.....	B-28	YAV26LTC34FX.....	C-50	YAV28L223.....	B-19
YAV25RS3.....	B-28	YAV26LTC38FX.....	C-50	YAV28L22345.....	B-19

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV28L22390.....	B-19	YAV29L2TC12FX.....	C-69	YAV2CL4TC14FXG1	C-99
YAV28L224.....	B-19	YAV29L2TC14E2FX.....	C-69	YAV2CLBOX	B-21
YAV28L22445.....	B-19	YAV29L2TC14FX.....	C-69	YAV2CLNT14FX.....	C-54
YAV28L22490.....	B-19	YAV29L2TC38FX.....	C-69	YAV2CLNT516FX.....	C-54
YAV28L237.....	B-19	YAV29L2TC516FX	C-69	YAV2CLTC10FX	C-50
YAV28L23745.....	B-19	YAV29LTC12FX.....	C-51	YAV2CLTC12FX.....	C-50
YAV28L23790.....	B-19	YAV29LTC14FX.....	C-51	YAV2CLTC14FX.....	C-50
YAV28L257.....	B-19	YAV29LTC34FX.....	C-51	YAV2CLTC38FX.....	C-50
YAV28L25745.....	B-19	YAV29LTC38FX.....	C-51	YAV2CLTC516FX.....	C-50
YAV28L25790.....	B-19	YAV29LTC516FX.....	C-51	YAV2CRS.....	B-28
YAV28L258.....	B-19	YAV29LTC58FX.....	C-51	YAV2CRS1.....	B-28
YAV28L25845.....	B-19	YAV2C2NFXB.....	C-79	YAV2CRS2.....	B-28
YAV28L25890.....	B-19	YAV2C2TC14E1FXB.....	C-79	YAV2CTC10FXB.....	C-65
YAV28L259.....	B-19	YAV2C2TC14E2FXB.....	C-79	YAV2CTC516FXB.....	C-65
YAV28L25945.....	B-19	YAV2C2TC14FXB.....	C-79	YAV3002M10.....	C-113
YAV28L25990.....	B-19	YAV2C2TC38FXB.....	C-79	YAV3002M12.....	C-113
YAV28L260.....	B-19	YAV2C2TC516FXB.....	C-79	YAV3002M14.....	C-113
YAV28L26045.....	B-19	YAV2CL.....	B-21	YAV3002M16.....	C-113
YAV28L26090.....	B-19	YAV2CL1.....	B-21	YAV3002M20.....	C-113
YAV28L2ENT14FX.....	C-72	YAV2CL1BOX.....	B-21	YAV300F2M10.....	C-126
YAV28L2NT38FX.....	C-72	YAV2CL2.....	B-21	YAV300F2M12.....	C-126
YAV28L2NTCFX.....	C-69	YAV2CL213.....	B-17	YAV300F2M14.....	C-126
YAV28L2TC12E1FX.....	C-69	YAV2CL21345.....	B-17	YAV300F2M16.....	C-126
YAV28L2TC12FX.....	C-69	YAV2CL21390.....	B-17	YAV300F2M20.....	C-126
YAV28L2TC14E2FX.....	C-69	YAV2CL214.....	B-17	YAV300FM10.....	C-120
YAV28L2TC14FX.....	C-69	YAV2CL21445.....	B-17	YAV300FM12.....	C-120
YAV28L2TC38FX.....	C-69	YAV2CL21490.....	B-17	YAV300FM14.....	C-120
YAV28L2TC516FX.....	C-69	YAV2CL233.....	B-17	YAV300FM16.....	C-120
YAV28L4TC14FXG1.....	C-99	YAV2CL23345.....	B-17	YAV300FM20.....	C-120
YAV28L4TCG1.....	C-99	YAV2CL23390.....	B-17	YAV300M10.....	C-106
YAV28L53.....	B-22	YAV2CL246.....	B-17	YAV300M12.....	C-106
YAV28L53BOX.....	B-22	YAV2CL24645.....	B-17	YAV300M14.....	C-106
YAV28LBOX.....	B-22	YAV2CL24690.....	B-17	YAV300M16.....	C-106
YAV28LNT12FX.....	C-54	YAV2CL247.....	B-17	YAV300M20.....	C-106
YAV28LNT38FX.....	C-54	YAV2CL24745.....	B-17	YAV352M10.....	C-112
YAV28LNT516FX.....	C-54	YAV2CL24790.....	B-17	YAV352M12.....	C-112
YAV28LTC12FX.....	C-51	YAV2CL248.....	B-17	YAV352M5.....	C-112
YAV28LTC14FX.....	C-51	YAV2CL24845.....	B-17	YAV352M6.....	C-112
YAV28LTC34FX.....	C-51	YAV2CL24890.....	B-17	YAV352M8.....	C-112
YAV28LTC38FX.....	C-51	YAV2CL2BOX.....	B-21	YAV35M10.....	C-105
YAV28LTC516FX.....	C-51	YAV2CL2NT10FX.....	C-72	YAV35M12.....	C-105
YAV28LTC58FX.....	C-51	YAV2CL2NT14E1FX.....	C-72	YAV35M16.....	C-105
YAV28RS.....	B-28	YAV2CL2NT14FX.....	C-72	YAV35M5.....	C-105
YAV28TC12FXB.....	C-66	YAV2CL2NTCFX.....	C-68	YAV35M6.....	C-105
YAV28TC38FXB.....	C-66	YAV2CL2TC14E1FX.....	C-68	YAV35M8.....	C-105
YAV292NFXB.....	C-80	YAV2CL2TC14E2FX.....	C-68	YAV3C2NFXB.....	C-79
YAV292NT38FXB.....	C-80	YAV2CL2TC14FX.....	C-68	YAV4002M14.....	C-113
YAV292NTC38FXB.....	C-80	YAV2CL2TC14FXSL.....	C-93	YAV4002M16.....	C-113
YAV292TC14E2FXB.....	C-80	YAV2CL2TC38FX.....	C-68	YAV4002M20.....	C-113
YAV292TC38FXB.....	C-80	YAV2CL2TC38FXSL.....	C-93	YAV400F2M12.....	C-126
YAV29L2NT38FX.....	C-72	YAV2CL2TC516FX.....	C-68	YAV400F2M14.....	C-126
YAV29L2NTCFX.....	C-69	YAV2CL4.....	B-21	YAV400F2M16.....	C-126
YAV29L2TC12E1FX.....	C-69	YAV2CL4BOX.....	B-21	YAV400F2M20.....	C-126

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV400FM12	C-120	YAV4CLTC38FX	C-50	YAV630M12.....	C-107
YAV400FM14	C-120	YAV4CLTC516FX.....	C-50	YAV630M16.....	C-107
YAV400FM16	C-120	YAV4CRS	B-28	YAV630M20	C-107
YAV400FM20	C-120	YAV4CRS2	B-28	YAV6C2NFXB.....	C-79
YAV400M12.....	C-107	YAV4CRS3.....	B-28	YAV6C2TC14E2FXB.....	C-79
YAV400M14.....	C-107	YAV4CRS4.....	B-28	YAV6C2TC14FXB.....	C-79
YAV400M16.....	C-107	YAV4CTC10FXB.....	C-65	YAV6C2TC38FXB.....	C-79
YAV400M20	C-107	YAV4CTC14FXB.....	C-65	YAV6CL	B-21
YAV4C2NFXB.....	C-79	YAV4CTC516FXB.....	C-65	YAV6CL1.....	B-21
YAV4C2TC14E2FXB.....	C-79	YAV5002M16	C-113	YAV6CL10	B-21
YAV4C2TC14FXB.....	C-79	YAV5002M20	C-113	YAV6CL10BOX	B-21
YAV4C2TC38FXB	C-79	YAV500F2M12	C-126	YAV6CL1BOX.....	B-21
YAV4C2TC516FXB.....	C-79	YAV500F2M16	C-126	YAV6CL2	B-21
YAV4CL	B-21	YAV500F2M20.....	C-126	YAV6CL209.....	B-16
YAV4CL2	B-21	YAV500FM12	C-120	YAV6CL20945	B-16
YAV4CL211	B-17	YAV500FM16	C-120	YAV6CL20990	B-16
YAV4CL21145	B-17	YAV500FM20.....	C-120	YAV6CL210.....	B-17
YAV4CL21190	B-17	YAV500M12.....	C-107	YAV6CL21045	B-17
YAV4CL212	B-17	YAV500M16	C-107	YAV6CL21090	B-17
YAV4CL21245	B-17	YAV500M20	C-107	YAV6CL230.....	B-16
YAV4CL21290.....	B-17	YAV502M10.....	C-112	YAV6CL23045	B-16
YAV4CL232	B-17	YAV502M12.....	C-112	YAV6CL23090	B-16
YAV4CL23245	B-17	YAV502M14.....	C-112	YAV6CL23145	B-16
YAV4CL23290	B-17	YAV502M16.....	C-112	YAV6CL23190.....	B-16
YAV4CL244	B-17	YAV502M6	C-112	YAV6CL243.....	B-17
YAV4CL24445	B-17	YAV502M8	C-112	YAV6CL24345	B-17
YAV4CL24490	B-17	YAV50F2M10	C-125	YAV6CL24390	B-17
YAV4CL245	B-17	YAV50F2M12	C-125	YAV6CL2BOX.....	B-21
YAV4CL24545.....	B-17	YAV50F2M14	C-125	YAV6CL2NTCFX	C-68
YAV4CL24590.....	B-17	YAV50F2M16	C-125	YAV6CL2TC10E2FX	C-68
YAV4CL2BOX.....	B-21	YAV50F2M6	C-125	YAV6CL2TC10E4FX	C-68
YAV4CL2NT10E1FX.....	C-72	YAV50F2M8	C-125	YAV6CL2TC10E9FX	C-68
YAV4CL2NT10FX	C-72	YAV50FM10	C-119	YAV6CL2TC10FX	C-68
YAV4CL2NT14FX	C-72	YAV50FM12	C-119	YAV6CL2TC10FX90SL.....	C-93
YAV4CL2NTCFX	C-68	YAV50FM14	C-119	YAV6CL2TC14E1FX.....	C-68
YAV4CL2TC14E1FX.....	C-68	YAV50FM16	C-119	YAV6CL2TC14E2FX	C-68
YAV4CL2TC14E2FX	C-68	YAV50FM6	C-119	YAV6CL2TC14FX	C-68
YAV4CL2TC14FX	C-68	YAV50FM8	C-119	YAV6CL2TC38FX.....	C-68
YAV4CL2TC14FXSL	C-93	YAV50M10.....	C-105	YAV6CL2TC516FX.....	C-68
YAV4CL2TC38FX.....	C-68	YAV50M12.....	C-105	YAV6CL4	B-21
YAV4CL2TC38FXSL	C-93	YAV50M14.....	C-105	YAV6CL4BOX	B-21
YAV4CL2TC516FX.....	C-68	YAV50M16.....	C-105	YAV6CLBOX	B-21
YAV4CL3	B-21	YAV50M5.....	C-105	YAV6CLTC10FX	C-50
YAV4CL3BOX	B-21	YAV50M6	C-105	YAV6CLTC12FX.....	C-50
YAV4CL4	B-21	YAV50M8	C-105	YAV6CLTC14FX.....	C-50
YAV4CL4BOX	B-21	YAV6302M16	C-113	YAV6CLTC34FX	C-50
YAV4CL5	B-21	YAV6302M20	C-113	YAV6CLTC38FX	C-50
YAV4CL5BOX	B-21	YAV630F2M12	C-126	YAV6CLTC516FX	C-50
YAV4CLBOX	B-21	YAV630F2M16	C-126	YAV6CRS	B-28
YAV4CLNT10FX	C-54	YAV630F2M20.....	C-126	YAV6CRS1.....	B-28
YAV4CLTC10FX.....	C-50	YAV630FM12	C-120	YAV6CRS2.....	B-28
YAV4CLTC12FX.....	C-50	YAV630FM16	C-120	YAV6CRS4.....	B-28
YAV4CLTC14FX.....	C-50	YAV630FM20.....	C-120	YAV6CTC10FXB.....	C-65

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAV6CTC14FXB.....	C-65	YAV8CLBOX.....	B-21	YAZ25TC12.....	C-27
YAV702M10.....	C-112	YAV8CRS.....	B-28	YAZ25TC14.....	C-27
YAV702M12.....	C-112	YAV8CRS1.....	B-28	YAZ25TC38.....	C-27
YAV702M14.....	C-112	YAV8CRS3.....	B-28	YAZ25TC516.....	C-27
YAV702M16.....	C-112	YAV952M10.....	C-113	YAZ262N.....	C-45
YAV702M6.....	C-112	YAV952M12.....	C-113	YAZ262TC14.....	C-45
YAV702M8.....	C-112	YAV952M14.....	C-113	YAZ262TC14E1.....	C-45
YAV70F2M10.....	C-125	YAV952M16.....	C-113	YAZ262TC14E2.....	C-45
YAV70F2M12.....	C-125	YAV952M20.....	C-113	YAZ262TC38.....	C-45
YAV70F2M14.....	C-125	YAV952M8.....	C-113	YAZ262TC38E16.....	C-45
YAV70F2M16.....	C-125	YAV95F2M10.....	C-125	YAZ264TC38E1G1.....	C-100
YAV70F2M6.....	C-125	YAV95F2M12.....	C-125	YAZ264TCG1.....	C-100
YAV70F2M8.....	C-125	YAV95F2M14.....	C-125	YAZ26TC12.....	C-27
YAV70FM10.....	C-119	YAV95F2M16.....	C-125	YAZ26TC14.....	C-27
YAV70FM12.....	C-119	YAV95F2M20.....	C-125	YAZ26TC38.....	C-27
YAV70FM14.....	C-119	YAV95F2M8.....	C-125	YAZ272N.....	C-45
YAV70FM16.....	C-119	YAV95FM10.....	C-119	YAZ272TC14E2.....	C-45
YAV70FM6.....	C-119	YAV95FM12.....	C-119	YAZ272TC38.....	C-45
YAV70FM8.....	C-119	YAV95FM14.....	C-119	YAZ27TC12.....	C-27
YAV70M10.....	C-106	YAV95FM16.....	C-119	YAZ27TC38.....	C-27
YAV70M12.....	C-106	YAV95FM20.....	C-119	YAZ282N.....	C-45
YAV70M14.....	C-106	YAV95FM8.....	C-119	YAZ282NTC38.....	C-45
YAV70M16.....	C-106	YAV95M10.....	C-106	YAZ282TC14E2.....	C-45
YAV70M5.....	C-106	YAV95M12.....	C-106	YAZ282TC38.....	C-45
YAV70M6.....	C-106	YAV95M14.....	C-106	YAZ284TCG1.....	C-100
YAV70M8.....	C-106	YAV95M16.....	C-106	YAZ28TC12.....	C-27
YAV8CL.....	B-21	YAV95M20.....	C-106	YAZ28TC38.....	C-27
YAV8CL1.....	B-21	YAV95M6.....	C-106	YAZ292N.....	C-45
YAV8CL1BOX.....	B-21	YAV95M8.....	C-106	YAZ292TC38.....	C-45
YAV8CL2.....	B-21	YAV9CL36.....	B-20	YAZ294TCG1.....	C-100
YAV8CL207.....	B-16	YAV9CL36BOX.....	B-20	YAZ29TC12.....	C-27
YAV8CL20745.....	B-16	YAV9CT4.....	B-20	YAZ29TC38.....	C-27
YAV8CL20790.....	B-16	YAV9CT4BOX.....	B-20	YAZ2C2N.....	C-44
YAV8CL208.....	B-16	YAV9CT9.....	B-20	YAZ2C2NTC38.....	C-44
YAV8CL20845.....	B-16	YAV9CT9BOX.....	B-20	YAZ2C2TC10E2.....	C-44
YAV8CL20890.....	B-16	YAZ1C2N.....	C-45	YAZ2C2TC14.....	C-44
YAV8CL229.....	B-16	YAZ1C2TC14.....	C-45	YAZ2C2TC14E1.....	C-44
YAV8CL22945.....	B-16	YAZ1C2TC14E2.....	C-45	YAZ2C2TC14E2.....	C-44
YAV8CL22990.....	B-16	YAZ1C2TC38.....	C-45	YAZ2C2TC38.....	C-44
YAV8CL240.....	B-16	YAZ1CTC12.....	C-26	YAZ2C2TC38E2.....	C-44
YAV8CL24045.....	B-16	YAZ1CTC14.....	C-26	YAZ2C2TC38E6.....	C-44
YAV8CL24090.....	B-16	YAZ1CTC38.....	C-26	YAZ2C2TC38SL.....	C-95
YAV8CL241.....	B-16	YAZ252N.....	C-45	YAZ2C2TC38SLBOX500.....	C-95
YAV8CL24145.....	B-16	YAZ252NTC38.....	C-45	YAZ2C2TC516E2.....	C-44
YAV8CL24190.....	B-16	YAZ252TC14.....	C-45	YAZ2C2TC516E7.....	C-44
YAV8CL242.....	B-16	YAZ252TC14E1.....	C-45	YAZ2CTC12.....	C-26
YAV8CL24245.....	B-16	YAZ252TC14E2.....	C-45	YAZ2CTC14.....	C-26
YAV8CL24290.....	B-16	YAZ252TC14E3.....	C-45	YAZ2CTC38.....	C-26
YAV8CL2BOX.....	B-21	YAZ252TC38.....	C-45	YAZ2CTC516.....	C-26
YAV8CL3.....	B-21	YAZ252TC516.....	C-45	YAZ302N.....	C-45
YAV8CL3BOX.....	B-21	YAZ252TC516E6.....	C-45	YAZ302TC38.....	C-45
YAV8CL4.....	B-21	YAZ254TC38E1G1.....	C-100	YAZ302TC38FX.....	C-76
YAV8CL4BOX.....	B-21	YAZ254TCG1.....	C-100	YAZ30TC12.....	C-27

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAZ30TC38	C-27	YAZ392N	C-46	YAZ6C2TC38E16	C-44
YAZ30TC38FX	C-63	YAZ392NNT	C-46	YAZ6C2TC38E2	C-44
YAZ312N	C-45	YAZ392NT38	C-46	YAZ6C2TC38E6	C-44
YAZ312NTCFX	C-76	YAZ392TC38	C-46	YAZ6CTC10	C-26
YAZ312TC14E2	C-45	YAZ39NT12	C-28	YAZ6CTC12	C-26
YAZ312TC14E2FX	C-76	YAZ39TC12	C-28	YAZ6CTC14	C-26
YAZ312TC38	C-45	YAZ39TC38	C-28	YAZ6CTC38	C-26
YAZ312TC38FX	C-76	YAZ3C2N	C-44	YAZ8C2TC10	C-44
YAZ314TCG1	C-100	YAZ3C2TC14	C-44	YAZ8C2TC1090SL	C-95
YAZ31TC12	C-27	YAZ3C2TC14E2	C-44	YAZ8C2TC10E2	C-44
YAZ31TC38	C-27	YAZ3C2TC38	C-44	YAZ8C2TC10E2FX	C-75
YAZ31TC38FX	C-63	YAZ3C2TC38E2	C-44	YAZ8C2TC10FX	C-75
YAZ322N	C-45	YAZ3C2TC38SL	C-95	YAZ8C2TC10SL	C-95
YAZ322TC38	C-45	YAZ3C2TC38SLBOX500	C-95	YAZ8C2TC14	C-44
YAZ322TC38FX	C-76	YAZ3CTC12	C-26	YAZ8C2TC14E1	C-44
YAZ32TC12	C-27	YAZ3CTC14	C-26	YAZ8C2TC14E1FX	C-75
YAZ32TC38	C-27	YAZ3CTC38	C-26	YAZ8C2TC14E2	C-44
YAZ32TC38FX	C-63	YAZ402N	C-46	YAZ8C2TC14E2FX	C-75
YAZ332N	C-46	YAZ402NTCFX	C-77	YAZ8C2TC14FX	C-75
YAZ33TC12	C-27	YAZ40TC12	C-28	YAZ8C2TC38	C-44
YAZ342N	C-46	YAZ412N	C-46	YAZ8C2TC38FX	C-75
YAZ342NT38FX	C-76, C-83	YAZ41TC12	C-28	YAZ8CTC10	C-26, C-62
YAZ342NTCFX	C-76	YAZ442N	C-46	YAZ8CTC14	C-26, C-62
YAZ342TC14E2	C-46	YAZ442NT38FX	C-77, C-83	YAZ8CTC38	C-26, C-62
YAZ342TC14E2FX	C-76	YAZ442TC38	C-46	YAZV102TC14	C-44
YAZ342TC38	C-46	YAZ44TC12	C-28	YAZV102TC14E1	C-75
YAZ342TC38FX	C-76	YAZ44TC38	C-28	YAZV102TC14E2	C-44
YAZ34NT38FX	C-63	YAZ452N	C-46	YAZV102TC14SL	C-97
YAZ34TC12	C-27	YAZ4532N	C-46	YAZV10TC14	C-26
YAZ34TC12FX	C-63	YAZ453TC12	C-28	YAZV1C2TC14E1FX	C-75
YAZ34TC38	C-27	YAZ45TC12	C-28	YAZV1C2TC14E2FX	C-75
YAZ34TC38FX	C-63	YAZ462N	C-46	YAZV1C2TC14FX	C-75
YAZ352N	C-46	YAZ46TC12	C-28	YAZV1C2TC38FX	C-75
YAZ35TC12	C-27	YAZ472N	C-46	YAZV1C2TC516E6FX	C-75
YAZ362N	C-46	YAZ47TC12	C-28	YAZV1C2TC516FX	C-75
YAZ362TC38	C-46	YAZ482N	C-46	YAZV1CTC14FX	C-62
YAZ362TC38FX	C-76	YAZ48TC12	C-28	YAZV1CTC38FX	C-62
YAZ36TC12	C-28	YAZ4C2N	C-44	YAZV1CTC516FX	C-62
YAZ36TC38	C-28	YAZ4C2TC10E2	C-44	YAZV252NT14FX	C-83
YAZ36TC38FX	C-63	YAZ4C2TC14	C-44	YAZV252NTCFX	C-75
YAZ372N	C-46	YAZ4C2TC14E2	C-44	YAZV252TC14E2FX	C-75
YAZ37TC12	C-28	YAZ4C2TC38	C-44	YAZV252TC14FX	C-75
YAZ382ENT38FX	C-83	YAZ4CTC12	C-26	YAZV252TC14FXSL	C-97
YAZ382N	C-46	YAZ4CTC14	C-26	YAZV252TC14FXSLBOX500	C-97
YAZ382NNTFX	C-77, C-83	YAZ4CTC38	C-26	YAZV252TC38FX	C-75
YAZ382NT38FX	C-77, C-83	YAZ5C2N	C-44	YAZV252TC38FXSL	C-97
YAZ382NTCFX	C-77	YAZ5CTC12	C-26	YAZV252TC38FXSLBOX500	C-97
YAZ382TC38FX	C-77	YAZ6C2N	C-44	YAZV25TC12FX	C-62
YAZ38NT12FX	C-63	YAZ6C2TC10E2	C-44	YAZV25TC14FX	C-62
YAZ38NT38FX	C-63	YAZ6C2TC14	C-44	YAZV25TC38FX	C-62
YAZ38TC12	C-28	YAZ6C2TC14E1	C-44	YAZV262NTCFX	C-76
YAZ38TC12FX	C-63	YAZ6C2TC14E2	C-44	YAZV262TC14E2FX	C-76
YAZ38TC38FX	C-63	YAZ6C2TC38	C-44	YAZV262TC14FX	C-76

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YAZV262TC14FXSL.....	C-97	YAZV6C2TC14FXSL.....	C-97	YC2C4.....	C-177, H-22
YAZV262TC14FXSLBOX500.....	C-97	YAZV6C2TC14FXSLBOX500.....	C-97	YC2L12.....	C-176
YAZV262TC38E6FX.....	C-76	YAZV6C2TC38E2FX.....	C-75	YC33R26.....	H-23
YAZV262TC38FX.....	C-76	YAZV6C2TC38E6FX.....	C-75	YC33R26U.....	H-26
YAZV262TC38FXSL.....	C-97	YAZV6C2TC38FX.....	C-75	YC3L12.....	C-176
YAZV262TC38FXSLBOX500.....	C-97	YAZV6C2TC38FXSL.....	C-97	YC4A4.....	H-23
YAZV26TC12FX.....	C-62	YAZV6C2TC38FXSLBOX500.....	C-97	YC4A6.....	H-23
YAZV26TC14FX.....	C-62	YAZV6CTC14FX.....	C-62	YC4C4.....	C-177, H-22
YAZV26TC38FX.....	C-62	YAZV6CTC38FX.....	C-62	YC4C6.....	C-177, H-22
YAZV272TC14E2FX.....	C-76	YBM1CL.....	B-30	YC4C8.....	C-177, H-22
YAZV272TC38FX.....	C-76	YBM1CL3.....	B-30	YC4L12.....	C-176
YAZV27TC38FX.....	C-62	YBM25L.....	B-30	YC4U1.....	H-26
YAZV282NT38FX.....	C-83	YBM25L1.....	B-30	YC6L12.....	C-176
YAZV282NTCFX.....	C-76	YBM25L2.....	B-30	YC8C8.....	C-177, H-22
YAZV282TC14E2FX.....	C-76	YBM26L.....	B-30	YC8L12.....	C-176
YAZV282TC14FXSL.....	C-97	YBM2CL.....	B-30	YCA252N.....	H-77
YAZV282TC14FXSLBOX500.....	C-97	YBM2CL1.....	B-30	YCA25R2N.....	H-79
YAZV282TC38FX.....	C-76	YBM2CL2.....	B-30	YCA25RL2N.....	H-78
YAZV282TC38FXSL.....	C-97	YBM4CL.....	B-30	YCA262N.....	H-77
YAZV282TC38FXSLBOX500.....	C-97	YBM4CL1.....	B-30	YCA26R2N.....	H-79
YAZV28NT38FX.....	C-62	YBM4CL2.....	B-30	YCA26RL2N.....	H-78
YAZV28TC12FX.....	C-62	YBM4CL4.....	B-30	YCA272N.....	H-77
YAZV28TC38FX.....	C-62	YBM6CL.....	B-30	YCA27R2N.....	H-79
YAZV292NT516FX.....	C-76, C-83	YBM6CL2.....	B-30	YCA27RL2N.....	H-78
YAZV29NT516FX.....	C-62	YBM6CL3.....	B-30	YCA282N.....	H-77
YAZV2C2NT14E2FX.....	C-83	YBM6CL9.....	B-30	YCA28R2N.....	H-79
YAZV2C2NTCFX.....	C-75	YBM8C.....	B-30	YCA28RL2N.....	H-78
YAZV2C2TC14E2FX.....	C-75	YBM8CT2.....	B-30	YCA292N.....	H-77
YAZV2C2TC14FX.....	C-75	YBM8CT4.....	B-30	YCA2R2N.....	H-79
YAZV2C2TC14FXSL.....	C-97	YC10C10.....	C-177, H-22	YCA2RL2N.....	H-78
YAZV2C2TC14FXSLBOX500.....	C-97	YC11L12.....	C-176	YCA302N.....	H-77
YAZV2C2TC38FX.....	C-75	YC1U1.....	H-26	YCA30R2N.....	H-79
YAZV2C2TC38FXSL.....	C-97	YC25A2.....	H-23	YCA312N.....	H-77
YAZV2C2TC38FXSLBOX500.....	C-97	YC25A25.....	H-23	YCA321R2N.....	H-79
YAZV2CTC12FX.....	C-62	YC25A4.....	H-23	YCA321RL2N.....	H-78
YAZV2CTC14FX.....	C-62	YC25L12.....	C-176	YCA322N.....	H-77
YAZV2CTC38FX.....	C-62	YC26A25.....	H-23	YCA33R2N.....	H-79
YAZV4C2NT14E2FX.....	C-83	YC26A26.....	H-23	YCA342N.....	H-77
YAZV4C2TC14E2FX.....	C-75	YC26C2.....	C-177, H-22	YCA35R2N.....	H-79
YAZV4C2TC14FX.....	C-75	YC26C26.....	C-177, H-22	YCA361R2N.....	H-79
YAZV4C2TC14FXSL.....	C-97	YC26L12.....	C-176	YCA37R2N.....	H-79
YAZV4C2TC14FXSLBOX500.....	C-97	YC27L12.....	C-176	YCA391A2N.....	H-80
YAZV4C2TC38E2-FX.....	C-75	YC28A2.....	H-23	YCA392N.....	H-77
YAZV4C2TC38FX.....	C-75	YC28A25.....	H-23	YCA39R2N.....	H-79
YAZV4C2TC38FXSL.....	C-97	YC28A26.....	H-23	YCA43R2N.....	H-80
YAZV4C2TC38FXSLBOX500.....	C-97	YC28A28.....	H-23	YCA441A4N.....	H-80
YAZV4CTC14FX.....	C-62	YC28C2.....	C-177, H-22	YCA44A2NG2.....	H-80
YAZV4CTC38FX.....	C-62	YC28C26.....	C-177, H-22	YCA451A4N.....	H-80
YAZV6C2TC10E2FX.....	C-75	YC28C28.....	C-177, H-22	YCA45R2N.....	H-80
YAZV6C2TC10FX90SL.....	C-97	YC28U26.....	H-26	YCA48R4N.....	H-80
YAZV6C2TC14E1FX.....	C-75	YC2A2.....	H-23	YCA4R2N.....	H-79
YAZV6C2TC14E2FX.....	C-75	YC2A4.....	H-23	YCA4RL2N.....	H-78
YAZV6C2TC14FX.....	C-75	YC2C2.....	C-177, H-22	YCAB284N.....	H-77

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YCAB324N.....	H-77	YCP25L27.....	C-207	YCR32RG7.....	H-54
YCAB344N.....	H-77	YCP25L34.....	C-207	YCS25.....	H-50
YCAB394N.....	H-77	YCP25L41.....	C-207	YCS25R.....	H-49, H-51
YCAB444N.....	H-77	YCP28L13.....	C-207	YCS25RL.....	H-52
YCAK25R4N.....	H-79	YCP28L20.....	C-207	YCS26.....	H-50
YCAK28A2G1.....	H-82	YCP28L27.....	C-207	YCS26A.....	H-53
YCAK28R4N.....	H-79	YCP28L34.....	C-207	YCS26R.....	H-51
YCAK29A2G1.....	H-82	YCP28L41.....	C-207	YCS26RL.....	H-52
YCAK30R4N.....	H-79	YCP31L13.....	C-207	YCS27.....	H-50
YCAK31A2G1.....	H-82	YCP31L20.....	C-207	YCS27R.....	H-51
YCAK31AG1.....	H-82	YCP31L27.....	C-207	YCS28.....	H-50
YCAK321R4N.....	H-79	YCP31L34.....	C-207	YCS28A.....	H-53
YCAK33R4N.....	H-79	YCP31L41.....	C-207	YCS28R.....	H-51
YCAK34A2G3.....	H-82	YCP34L13.....	C-207	YCS28RL.....	H-52
YCAK35R4N.....	H-79	YCP34L20.....	C-207	YCS29.....	H-50
YCAK361A4N.....	H-79	YCP34L27.....	C-207	YCS2R.....	H-51
YCAK361R4N.....	H-79	YCP34L34.....	C-207	YCS30.....	H-50
YCAK36A2G1.....	H-82	YCP34L41.....	C-207	YCS301A.....	H-53
YCAK37R4N.....	H-79	YCP39L13.....	C-207	YCS30R.....	H-51
YCAK391A4N.....	H-80	YCP39L20.....	C-207	YCS31.....	H-50
YCAK39A2G2.....	H-82	YCP39L27.....	C-207	YCS311A.....	H-53
YCAK39R4N.....	H-79	YCP39L34.....	C-207	YCS32.....	H-50
YCAK43R4N.....	H-80	YCP39L41.....	C-207	YCS321R.....	H-51
YCAK44A2G2.....	H-82	YCP44L13.....	C-208	YCS321RL.....	H-52
YCAK453R4N.....	H-80	YCP44L20.....	C-208	YCS331A.....	H-53
YCAK45R4N.....	H-80	YCP44L27.....	C-208	YCS33R.....	H-51
YCB1U1.....	H-39	YCP44L34.....	C-208	YCS34.....	H-50
YCB25R.....	H-38	YCP44L41.....	C-208	YCS341RL.....	H-52
YCB26R.....	H-38	YCR25RG6.....	H-54	YCS351A.....	H-53
YCB27R.....	H-38	YCR2625.....	H-53	YCS35R.....	H-51
YCB28R.....	H-38	YCR26RG2.....	H-54	YCS361A.....	H-53
YCB28U26.....	H-39	YCR26RG3.....	H-54	YCS361R.....	H-51
YCB2R.....	H-38	YCR2725.....	H-53	YCS37R.....	H-51
YCB321R.....	H-38	YCR27RG5.....	H-54	YCS39.....	H-50
YCB33R.....	H-38	YCR27RG6.....	H-54	YCS391A.....	H-53
YCB33R26U.....	H-39	YCR2825.....	H-53	YCS39R.....	H-51
YCB35R.....	H-38	YCR28RG5.....	H-54	YCS43R.....	H-51
YCB361R.....	H-38	YCR28RG6.....	H-54	YCS44.....	H-50
YCB38R26U.....	H-39	YCR28RG7.....	H-54	YCS453R.....	H-51
YCB4U1.....	H-39	YCR28RG8.....	H-54	YCS45R.....	H-51
YCHC29TC2.....	C-178	YCR291RG2.....	H-54	YCS4R.....	H-51
YCHC29TC29.....	C-178	YCR291RG3.....	H-54	YCT2626.....	H-32
YCHC2TC2.....	C-178	YCR291RG4.....	H-54	YCT2828.....	H-32
YCHC34TC2.....	C-178	YCR291RG5.....	H-54	YCU25A.....	H-50
YCHC34TC29.....	C-178	YCR30RG4.....	H-54	YCU25R.....	H-55
YCHC34TC34.....	C-178	YCR30RG6.....	H-54	YCU26R.....	H-55
YCHC39TC2.....	C-178	YCR30RG7.....	H-54	YCU27R.....	H-55
YCHC39TC31.....	C-178	YCR32RG1.....	H-54	YCU28A.....	H-50
YCHC39TC39.....	C-178	YCR32RG2.....	H-54	YCU28R.....	H-55
YCHC44TC44.....	C-178	YCR32RG3.....	H-54	YCU291A.....	H-50
YCHC8TC8.....	C-178	YCR32RG4.....	H-54	YCU2CA.....	H-50
YCP25L13.....	C-207	YCR32RG5.....	H-54	YCU2R.....	H-55
YCP25L20.....	C-207	YCR32RG6.....	H-54	YCU301A.....	H-50

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YCU30R.....	H-55	YDS27.....	H-57	YDS321RLNI.....	H-61
YCU321R.....	H-55	YDS271R.....	H-65	YDS321RLY.....	H-63
YCU4R.....	H-55	YDS271RP1.....	H-65	YDS321RP1.....	H-64
YCU4RG1.....	H-55	YDS27AT.....	H-58, H-62	YDS326R.....	H-64
YCUT129ACSR.....	N-80	YDS27R.....	H-64	YDS32LT.....	H-60
YD28REP2.....	H-66	YDS27RE.....	H-66	YDS32R.....	H-64
YDR25R2RL.....	H-68	YDS27RL.....	H-59	YDS32RP2.....	H-64
YDR25R4RL.....	H-68	YDS27RLNI.....	H-61	YDS331AT.....	H-58, H-62
YDR27R25RL.....	H-68	YDS27RLY.....	H-63	YDS33R.....	H-64
YDR28R26R.....	H-68	YDS27RP1.....	H-64, H-66	YDS33RP1.....	H-64
YDR28R27R.....	H-68		H-64, H-65,	YDS34.....	H-57
YDR2R4RG1.....	H-68	YDS27RP2.....	H-66	YDS341RL.....	H-60
YDR391RL321RL.....	H-68	YDS28.....	H-57	YDS341RLNI.....	H-61
YDS011R.....	H-65	YDS28AT.....	H-58, H-62	YDS34R.....	H-64
YDS011RP1.....	H-65	YDS28F.....	H-70	YDS34RP2.....	H-64, H-65
YDS021R.....	H-64	YDS28R.....	H-64	YDS351AT.....	H-58
YDS021RE.....	H-66	YDS28RE.....	H-66	YDS35R.....	H-64
YDS021REP1.....	H-66	YDS28RL.....	H-59	YDS35RP1.....	H-64
YDS021RL.....	H-59	YDS28RLNI.....	H-61	YDS361AT.....	H-58
YDS021RLNI.....	H-61	YDS28RLY.....	H-63	YDS361R.....	H-64, H-66
YDS021RLY.....	H-63	YDS28RP1.....	H-64, H-66	YDS361RL.....	H-60, H-67
YDS021RP1.....	H-64	YDS28RP2.....	H-64	YDS361RLNI.....	H-61
YDS1C.....	H-50, H-57	YDS29.....	H-57	YDS361RP1.....	H-64, H-66
YDS1C3.....	H-57	YDS291AT.....	H-58	YDS36LT.....	H-60
YDS1R.....	H-64	YDS291R.....	H-64	YDS36R.....	H-64
YDS1RP1.....	H-64	YDS291RP1.....	H-64	YDS36RP2.....	H-64, H-65
YDS1RP2.....	H-64	YDS29AT.....	H-58	YDS375H.....	H-66
YDS1W.....	H-56	YDS2C.....	H-50, H-57	YDS37RP1.....	H-64
YDS25.....	H-57	YDS2C3.....	H-57	YDS39.....	H-57
YDS250E.....	H-66	YDS2CA.....	H-58, H-62	YDS391AT.....	H-58
YDS251R.....	H-65	YDS2F.....	H-70	YDS392R.....	H-65
YDS251RP1.....	H-65	YDS2KT.....	H-70	YDS39RP1.....	H-65
	H-49, H-58,	YDS2RE.....	H-66	YDS3C3.....	H-57
YDS25AT.....	H-62	YDS2REP2.....	H-66	YDS3K10.....	H-69
YDS25F.....	H-70	YDS2RL.....	H-59	YDS3K5.....	H-69
YDS25R.....	H-64	YDS2RLNI.....	H-61	YDS3K6.....	H-69, H-70
YDS25REP2.....	H-66	YDS2RLY.....	H-63	YDS3K7.....	H-69
YDS25RL.....	H-59	YDS2W.....	H-50, H-56	YDS3K8.....	H-69
YDS25RLNI.....	H-61	YDS2WA.....	H-58	YDS3W.....	H-56
YDS25RLY.....	H-63	YDS30.....	H-57	YDS40R.....	H-65
YDS25RP1.....	H-64, H-66	YDS301AT.....	H-58	YDS41RP2.....	H-64, H-65
YDS25RP2.....	H-64	YDS30LT.....	H-60	YDS42R.....	H-65
YDS26.....	H-57	YDS30R.....	H-64	YDS431AT.....	H-58
YDS261R.....	H-65	YDS30RP1.....	H-64	YDS43R43RS.....	H-65
YDS261RP1.....	H-65	YDS30RP2.....	H-64	YDS43R45RS.....	H-65
YDS26AT.....	H-58	YDS31.....	H-57	YDS43RP1.....	H-65
YDS26F.....	H-70	YDS311AT.....	H-58, H-62	YDS43RP2.....	H-65
YDS26R.....	H-64	YDS312E.....	H-66	YDS44.....	H-57
YDS26RL.....	H-59	YDS312H.....	H-66	YDS44RP2.....	H-64
YDS26RLNI.....	H-61	YDS31AT.....	H-58	YDS451R34RS.....	H-65
YDS26RLY.....	H-63	YDS32.....	H-57	YDS451R49RS.....	H-65
YDS26RP1.....	H-64, H-66	YDS321R.....	H-64	YDS451RP1.....	H-65
YDS26RP2.....	H-64	YDS321RL.....	H-59	YDS45R45RS.....	H-65

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YDS45RP1.....	H-65	YE29P31X109.....	C-133	YE6R25.....	H-43
YDS45RP2.....	H-65	YE29P41X82.....	C-133	YEV1CP23X75FX.....	C-133
YDS49R.....	H-65	YE29P46X92.....	C-132	YEV1CP26X75FX.....	C-132
YDS49RP1.....	H-65	YE29P50X100.....	C-131	YEV1CP29X75FX.....	C-131
YDS49RP2.....	H-65	YE2CLH128.....	H-43	YEV25P26X75FX.....	C-133
YDS4C.....	H-50, H-57	YE2CLH129.....	H-43	YEV25P29X75FX.....	C-132
YDS4CA.....	H-49, H-58	YE2R25.....	H-43	YEV25P33X75FX.....	C-131
YDS4KT.....	H-70	YE2WAG5.....	H-43	YEV26P29X75FX.....	C-133
YDS4RL.....	H-59	YE30P46X92.....	C-133	YEV26P33X75FX.....	C-132
YDS4RLNI.....	H-61	YE30P46X92FX.....	C-132	YEV26P37X75FX.....	C-131
YDS4RLY.....	H-63	YE30P50X100.....	C-132	YEV27P33X75FX.....	C-133
YDS4W.....	H-50, H-56	YE30P50X100FX.....	C-131	YEV27P37X75FX.....	C-132
YDS4WA.....	H-49, H-58	YE30P55X110.....	C-131	YEV27P41X82FX.....	C-131
YDS500H.....	H-66	YE30R60.....	H-43	YEV28P37X75FX.....	C-133
YDS50R.....	H-65	YE31LH96.....	H-43	YEV28P41X75FX.....	C-132
YDS6C.....	H-50, H-57	YE31P41X82FX.....	C-133	YEV28P46X92FX.....	C-131
YDS6CA.....	H-58	YE31P50X100.....	C-133	YEV2CP20X75FX.....	C-133
YDS6KT.....	H-70	YE31P51X102FX.....	C-131	YEV2CP23X75FX.....	C-132
YDS6W.....	H-50, H-56	YE31P55X110.....	C-132	YEV2CP26X75FX.....	C-131
YDS6WA.....	H-58	YE31P59X118.....	C-131	YEV4CP16X75FX.....	C-133
YDS6WK.....	H-69	YE32P51X102FX.....	C-132	YEV4CP20X75FX.....	C-131
YDS75.....	H-56	YE32P55X110.....	C-133	YF0215UI.....	B-75
YDS76.....	H-56	YE32P55X110FX.....	C-131	YF0216ID.....	B-78
YDS78.....	H-56	YE32P59X118.....	C-132	YF0216IT.....	B-78
YDS7K5.....	H-69	YE32P63X126.....	C-131	YF0216IW.....	B-78
YDS7K6.....	H-69	YE32R60.....	H-43	YF0218ID.....	B-78
YDS7K7.....	H-69	YE34LH119.....	H-43	YF0218IT.....	B-78
YDS7M10T.....	H-70, I-16	YE34LH120.....	H-43	YF0218IW.....	B-78
YDS7M6T.....	H-70, I-16	YE34P51X102FX.....	C-133	YF0220UI.....	B-75
YDS7M7T.....	H-70, I-16	YE34P55X110FX.....	C-132	YF0222ID.....	B-78
YDS7M8T.....	H-70, I-16	YE34P59X118.....	C-133	YF0222IT.....	B-78
YDS7M9T.....	H-70, I-16	YE34P59X118FX.....	C-131	YF0222IW.....	B-78
YDS8KT.....	H-70	YE34P63X126.....	C-132	YF0225ID.....	B-78
YDS8W.....	H-50, H-56	YE34P71X142.....	C-131	YF0225IT.....	B-78
YDS8WG1.....	H-56	YE361R60.....	H-43	YF0225IW.....	B-78
YDS8WK.....	H-69	YE36P59X118FX.....	C-132	YF0225UI.....	B-75
YDSR25RL.....	H-67	YE36P63X126.....	C-133	YF0232UI.....	B-75
YDSR26RL.....	H-67	YE36P67X134FX.....	C-131	YF041/0TOOL.....	N-37
YDSR27RL.....	H-67	YE36P71X142.....	C-132	YF0412ID.....	B-78
YDSR28RL.....	H-67	YE36P78X156.....	C-131	YF0412IT.....	B-78
YDSR2RL.....	H-67	YE38P59X118FX.....	C-133	YF0412IW.....	B-78
YDSR321RL.....	H-67	YE38P67X134FX.....	C-132	YF0412UI.....	B-75
YDSR341RL.....	H-67	YE38P71X142FX.....	C-131	YF0415ID.....	B-78
YDSR4RL.....	H-67	YE39P71X142.....	C-133	YF0415IT.....	B-78
YE1WAG1.....	H-43	YE39P78X156.....	C-132	YF0415IW.....	B-78
YE25LH97.....	H-43	YE39P87X174.....	C-131	YF0415UI.....	B-75
YE25R25.....	H-43	YE39R60.....	H-43	YF0416ID.....	B-78
YE26LH88.....	H-43	YE40P67X134FX.....	C-133	YF0416IT.....	B-78
YE26LH89.....	H-43	YE40P71X142FX.....	C-132	YF0416IW.....	B-78
YE26R60.....	H-43	YE40P78X156FX.....	C-131	YF0418ID.....	B-78
YE27R60.....	H-43	YE44P78X156FX.....	C-132	YF0418IT.....	B-78
YE28LH128.....	H-43	YE44P87X174FX.....	C-131	YF0418IW.....	B-78
YE28R60.....	H-43	YE4R25.....	H-43	YF0418UI.....	B-75

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YF0420UI	B-75	YF1/032UI.....	B-75	YF1608IT.....	B-77
YF0422ID	B-78	YF1006TOOL.....	N-37	YF1608IW.....	B-77
YF0422IT	B-78	YF1010ID.....	B-77	YF1608UI.....	B-74
YF0422IW.....	B-78	YF1010IT.....	B-77	YF1610ID.....	B-77
YF0425ID	B-78	YF1010IW.....	B-77	YF1610IT.....	B-77
YF0425IT.....	B-78	YF1010UI.....	B-74	YF1610IW.....	B-77
YF0425IW.....	B-78	YF1012ID.....	B-77	YF1610UI.....	B-74
YF0425UI.....	B-75	YF1012IT.....	B-77	YF1612ID.....	B-77
YF0432UI.....	B-75	YF1012IW.....	B-77	YF1612IT.....	B-77
YF0612ID.....	B-78	YF1012UI.....	B-74	YF1612IW.....	B-77
YF0612IT.....	B-78	YF1015UI.....	B-74	YF1612UI.....	B-74
YF0612IW.....	B-78	YF1018ID.....	B-77	YF1615ID.....	B-77
YF0612UI.....	B-75	YF1018IT.....	B-77	YF1615IT.....	B-77
YF0615UI.....	B-75	YF1018IW.....	B-77	YF1615IW.....	B-77
YF0618ID.....	B-78	YF1018UI.....	B-74	YF1618ID.....	B-77
YF0618IT.....	B-78	YF1209ID.....	B-77	YF1618IT.....	B-77
YF0618IW.....	B-78	YF1209IT.....	B-77	YF1618IW.....	B-77
YF0618UI.....	B-75	YF1209IW.....	B-77	YF1618UI.....	B-74
YF0625UI.....	B-75	YF1209UI.....	B-74	YF1806ID.....	B-76
YF081/OTOOL.....	N-37	YF1210ID.....	B-77	YF1806IT.....	B-76
YF0812ID.....	B-78	YF1210IT.....	B-77	YF1806IW.....	B-76
YF0812IT.....	B-78	YF1210IW.....	B-77	YF1806UI.....	B-74
YF0812IW.....	B-78	YF1212ID.....	B-77	YF1808ID.....	B-77
YF0812UI.....	B-75	YF1212IT.....	B-77	YF1808IT.....	B-77
YF0815ID.....	B-78	YF1212IW.....	B-77	YF1808IW.....	B-77
YF0815IT.....	B-78	YF1212UI.....	B-74	YF1808UI.....	B-74
YF0815IW.....	B-78	YF1215UI.....	B-74	YF1810ID.....	B-77
YF0815UI.....	B-75	YF1218ID.....	B-77	YF1810IT.....	B-77
YF0818ID.....	B-78	YF1218IT.....	B-77	YF1810IW.....	B-77
YF0818IT.....	B-78	YF1218IW.....	B-77	YF1810UI.....	B-74
YF0818IW.....	B-78	YF1218UI.....	B-74	YF1812ID.....	B-77
YF0818UI.....	B-75	YF1407UI.....	B-74	YF1812IT.....	B-77
YF1/012ID.....	B-78	YF1408ID.....	B-77	YF1812IW.....	B-77
YF1/012IT.....	B-78	YF1408IT.....	B-77	YF1812UI.....	B-74
YF1/012IW.....	B-78	YF1408IW.....	B-77	YF1818ID.....	B-77
YF1/016ID.....	B-78	YF1408UI.....	B-74	YF1818IT.....	B-77
YF1/016IT.....	B-78	YF1410ID.....	B-77	YF1818IW.....	B-77
YF1/016IW.....	B-78	YF1410IT.....	B-77	YF2/020ID.....	B-78
YF1/020ID.....	B-78	YF1410IW.....	B-77	YF2/022UI.....	B-75
YF1/020IT.....	B-78	YF1410UI.....	B-74	YF2/025ID.....	B-78
YF1/020IW.....	B-78	YF1412ID.....	B-77	YF2/025UI.....	B-75
YF1/022ID.....	B-78	YF1412IT.....	B-77	YF2/027ID.....	B-78
YF1/022IT.....	B-78	YF1412IW.....	B-77	YF2/032UI.....	B-75
YF1/022IW.....	B-78	YF1412UI.....	B-74	YF2006ID.....	B-76
YF1/022UI.....	B-75	YF1418ID.....	B-77	YF2006IT.....	B-76
YF1/025ID.....	B-78	YF1418IT.....	B-77	YF2006IW.....	B-76
YF1/025IT.....	B-78	YF1418IW.....	B-77	YF2006UI.....	B-74
YF1/025IW.....	B-78	YF1418UI.....	B-74	YF2008ID.....	B-76
YF1/025UI.....	B-75	YF1606ID.....	B-77	YF2008IT.....	B-76
YF1/03/OTOOL.....	N-37	YF1606IT.....	B-77	YF2008IW.....	B-76
YF1/030ID.....	B-78	YF1606IW.....	B-77	YF2010ID.....	B-76
YF1/030IT.....	B-78	YF1607UI.....	B-74	YF2010IT.....	B-76
YF1/030IW.....	B-78	YF1608ID.....	B-77	YF2010IW.....	B-76

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YF2010UI	B-74	YF2808IW	B-76	YFAR302	K-33
YF2012ID	B-76	YF3/025ID	B-78	YFAR312	K-33
YF2012IT	B-76	YF3/025UI	B-75	YFAR322	K-33
YF2012IW	B-76	YF3/030ID	B-78	YFAR342	K-33
YF2012UI	B-74	YF3/030UI	B-75	YFAR392	K-33
YF2018ID	B-76	YF3/032UI	B-75	YFD365	C-203
YF2018IT	B-76	YF3206TOOL	N-37	YFM28CP	K-35
YF2018IW	B-76	YF35032UI	B-75	YFM28CPL	K-36
YF2205ID	B-76	YF35040UI	B-75	YFM28CR	K-35
YF2205IT	B-76	YF4/0250TOOL	N-37	YFM29CP	K-35
YF2205IW	B-76	YF4/027ID	B-79	YFM29CPL	K-36
YF2206ID	B-76	YF4/030ID	B-79	YFM29CR	K-35
YF2206IT	B-76	YF4/032ID	B-79	YFM30CP	K-35
YF2206IW	B-76	YF4/032UI	B-75	YFM30CPL	K-36
YF2206UI	B-74	YF4/034ID	B-79	YFM30CR	K-35
YF2208ID	B-76	YF4/034UI	B-75	YFM31CP	K-35
YF2208IT	B-76	YF4/040UI	B-75	YFM31CPL	K-36
YF2208IW	B-76	YFA28CP2	K-31	YFM31CR	K-35
YF2208UI	B-74	YFA28CPL2	K-32	YFM32CP	K-35
YF2210FL	N-36	YFA28CR2	K-31	YFM32CPL	K-36
YF2210ID	B-76	YFA29CP2	K-31	YFM32CR	K-35
YF2210IT	B-76	YFA29CPL2	K-32	YFM34CP	K-35
YF2210IW	B-76	YFA29CR2	K-31	YFM34CPL	K-36
YF2210TOOL	N-37	YFA30CP2	K-31	YFM34CR	K-35
YF2210UI	B-74	YFA30CPL2	K-32	YFM39CP	K-35
YF2212ID	B-76	YFA30CR2	K-31	YFM39CPL	K-36
YF2212IT	B-76	YFA31CP2	K-31	YFM39CR	K-35
YF2212IW	B-76	YFA31CPL2	K-32	YFMP28	K-37
YF2212UI	B-74	YFA31CR2	K-31	YFMP28L	K-38
YF2405UI	B-74	YFA32CPL2	K-32	YFMP29	K-37
YF2406IT	B-76	YFA32CR2	K-31	YFMP29L	K-38
YF2406IW	B-76	YFA34CP2	K-31	YFMP30	K-37
YF2407UI	B-74	YFA34CPL2	K-32	YFMP30L	K-38
YF2408IT	B-76	YFA34CR2	K-31	YFMP31	K-37
YF2408IW	B-76	YFA39CP2	K-31	YFMP31L	K-38
YF25025ID	B-79	YFA39CPL2	K-32	YFMP32	K-37
YF25027ID	B-79	YFA39CR2	K-31	YFMP32L	K-38
YF25032ID	B-79	YFAP282	K-33	YFMP34	K-37
YF25032UI	B-75	YFAP28L2	K-34	YFMP34L	K-38
YF25038ID	B-79	YFAP292	K-33	YFMP39	K-37
YF25040UI	B-75	YFAP29L2	K-34	YFMP39L	K-38
YF2605UI	B-74	YFAP302	K-33	YFMR28	K-37
YF2606ID	B-76	YFAP30L2	K-34	YFMR29	K-37
YF2606IT	B-76	YFAP312	K-33	YFMR30	K-37
YF2606IW	B-76	YFAP31L2	K-34	YFMR31	K-37
YF2607UI	B-74	YFAP322	K-33	YFMR32	K-37
YF2608ID	B-76	YFAP32L2	K-34	YFMR34	K-37
YF2608IT	B-76	YFAP342	K-33	YFMR39	K-37
YF2608IW	B-76	YFAP34L2	K-34	YFN540	C-203
YF2806IT	B-76	YFAP392	K-33	YFO140	C-203
YF2806IW	B-76	YFAP39L2	K-34	YFR865	C-203
YF2807UI	B-74	YFAR282	K-33	YFS28CP	K-27
YF2808IT	B-76	YFAR292	K-33	YFS28CPL	K-28

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YFS28CR	K-27	YFTW1410T	B-80	YGF34-2N	E-21
YFS29CP	K-27	YFTW1410W	B-80	YGF34-4N	E-21
YFS29CPL	K-28	YFTW1413D	B-80	YGHA25-2N	E-16
YFS29CR	K-27	YFTW1413T	B-80	YGHA26-2N	E-16
YFS30CP	K-27	YFTW1413W	B-80	YGHA27-2N	E-16
YFS30CPL	K-28	YFTW1608D	B-80	YGHA28-2N	E-16
YFS30CR	K-27	YFTW1608T	B-80	YGHA29-2N	E-16
YFS31CP	K-27	YFTW1608W	B-80	YGHA2C-2N	E-16
YFS31CPL	K-28	YFTW1612D	B-80	YGHA31-2N	E-16
YFS31CR	K-27	YFTW1612T	B-80	YGHA34-2N	E-16
YFS32CP	K-27	YFTW1612W	B-80	YGHC26C2	E-10
YFS32CPL	K-28	YFTW1808D	B-80	YGHC26C26	E-10
YFS32CR	K-27	YFTW1808T	B-80	YGHC29C26	E-10
YFS34CP	K-27	YFTW1808W	B-80	YGHC29C29	E-10
YFS34CPL	K-28	YFTW1810D	B-80	YGHC2C2	E-10
YFS34CR	K-27	YFTW1810T	B-80	YGHC34C26	E-10
YFS39CP	K-27	YFTW1810W	B-80	YGHC34C29	E-10
YFS39CPL	K-28	YFTW2008D	B-80	YGHC34C34	E-10
YFS39CR	K-27	YFTW2008T	B-80	YGHC26C26	E-11
YFSP28	K-29	YFTW2008W	B-80	YGHC29C26	E-11
YFSP28L	K-30	YFTW2010D	B-80	YGHC29C29	E-11
YFSP29	K-29	YFTW2010T	B-80	YGHC34C26	E-11
YFSP29L	K-30	YFTW2010W	B-80	YGHC34C29	E-11
YFSP30	K-29	YFTW2208D	B-80	YGHC34C34	E-11
YFSP30L	K-30	YFTW2208T	B-80	YGHP29C2	E-8
YFSP31	K-29	YFTW2208W	B-80	YGHP29C26	E-8
YFSP31L	K-30	YG14B2TC2C2C	E-26	YGHP29C29	E-8
YFSP32	K-29	YG14B2TC2C6C	E-26	YGHP29C6W6W	E-8
YFSP32L	K-30	YG14BTC28	E-26	YGHP2C2	E-8
YFSP34	K-29	YG916BTC26	E-26	YGHP2C6W6W	E-8
YFSP34L	K-30	YGA25-2N	E-17	YGHP34C2	E-8
YFSP39	K-29	YGA26-2N	E-17	YGHP34C26	E-8
YFSP39L	K-30	YGA28-2N	E-17	YGHP34C29	E-8
YFSR28	K-29	YGA29-2N	E-17	YGHP34C34	E-8
YFSR29	K-29	YGA2C-2N	E-17	YGHP58C2W-2	E-9
YFSR30	K-29	YGA2C-2TC38	E-17	YGHP58C2W-2TN	E-9
YFSR31	K-29	YGA34-2N	E-17	YGHR26C100	E-14
YFSR32	K-29	YGA6C-2N	E-17	YGHR26C12	E-14
YFSR34	K-29	YGA6C-2TC38E2G1	E-17	YGHR26C34	E-14
YFSR39	K-29	YGA6C-TC10	E-17	YGHR26C58	E-14
YFTW0614D	B-80	YGA6C-TC14	E-17	YGHR29C100	E-14
YFTW0614T	B-80	YGA6C-TC516	E-17	YGHR29C12	E-14
YFTW0614W	B-80	YGA8C-2N	E-17	YGHR29C34	E-14
YFTW0814D	B-80	YGA8C-TC10	E-17	YGHR29C58	E-14
YFTW0814T	B-80	YGA8C-TC14	E-17	YGHR34C100	E-14
YFTW0814W	B-80	YGA8C-TC516	E-17	YGHR34C34	E-14
YFTW1014D	B-80	YGC10C10	E-12	YGHR34C58	E-14
YFTW1014T	B-80	YGC4C4	E-12	YGHR58C2W-3	E-15
YFTW1014W	B-80	YGC6C6	E-12	YGHS25	E-19
YFTW1212D	B-80	YGC6C8	E-12	YGHS26	E-19
YFTW1212T	B-80	YGC8C8	E-12	YGHS27	E-19
YFTW1212W	B-80	YGF29-2N	E-21	YGHS28	E-19
YFTW1410D	B-80	YGF29-4N	E-21	YGHS29	E-19

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YGHS2C.....	E-19	YH2929WCC	C-180, C-182	YHN500J1496	H-40
YGHS31.....	E-19	YH292C.....	C-180-182	YHN525.....	H-30
YGHS34	E-19	YH292CWC	C-180, C-182	YHN550.....	H-30
YGIBS28-338-2N	E-23	YH292CWCC.....	C-180, C-182	YHN600.....	H-30
YGIBS28-400-2N	E-23	YH298C.....	C-180-182	YHO1	H-31
YGIBS28-462-2N.....	E-23	YH298CWC	C-180, C-182	YHO100.....	H-29
YGIBS28-550-2N	E-23	YH298CWCC.....	C-180, C-182	YHO100J1444	H-40
YGIBS28-613-2N.....	E-23	YH2C2C	C-180-182	YHO125.....	H-29, H-31
YGIBS28-675-2N	E-23	YH2C2CWC.....	C-180, C-182	YHO150.....	H-29
YGIBS34-338-2N	E-23	YH2C2CWCC.....	C-180, C-182	YHO150J1444.....	H-40
YGIBS34-400-2N	E-23	YH3429	C-180-182	YHO2	H-31
YGIBS34-462-2N	E-23	YH3429WC	C-180, C-182	YHR700.....	H-30
YGIBS34-550-2N	E-23	YH3429WCC	C-180, C-182	YHR750.....	H-30
YGIBS34-675-2N	E-23	YH3434	C-180-182	YHR800.....	H-30
YGBW28-1000-2N	E-23	YH3434WC	C-180, C-182	YHR850.....	H-30
YGBW28-338-2N	E-23	YH3434WCC	C-180, C-182	YHR900.....	H-30
YGBW28-400-2N	E-23	YH3931	C-180-182	YHR950.....	H-30
YGBW28-462-2N	E-23	YH3931WC	C-180, C-182	YHSA10K10.....	B-12
YGBW28-550-2N	E-23	YH3931WCC.....	C-180, C-182	YHSA10K10BF	B-45
YGBW28-613-2N.....	E-23	YH3939	C-180-182	YHSA10K10F	B-36
YGBW28-675-2N	E-23	YH3939WC	C-180, C-182	YHSA10K10FRK.....	B-36
YGBW28-750-2N.....	E-23	YH3939WCC	C-180, C-182	YHSA10K10LF	B-41
YGBW34-338-2N	E-23	YH4429.....	C-180-182	YHSA10K10RK	B-12
YGBW34-400-2N.....	E-23	YH4429WC	C-180, C-182	YHSA10K12.....	B-12
YGBW34-462-2N	E-23	YH4429WCC	C-180, C-182	YHSA10K12RK	B-12
YGBW34-550-2N	E-23	YH4434	C-180-182	YHSA10K14.....	B-12
YGBW34-613-2N	E-23	YH4434WC	C-180, C-182	YHSA10K14FRK.....	B-36
YGBW34-675-2N	E-23	YH4434WCC	C-180, C-182	YHSA10K14RK	B-12
YGL29C2.....	E-6	YH4444	C-180-182	YHSA10K38	B-12
YGL29C29	E-6	YH4444WC	C-180, C-182	YHSA10K38RK.....	B-12
YGL2C2.....	E-6	YH4444WCC	C-180, C-182	YHSA10K516	B-12
YGL34C2.....	E-6	YH6C6C	C-180-182	YHSA10K6	B-12
YGL34C29	E-6	YH6C6CWC.....	C-180, C-182	YHSA10K6BF	B-45
YGL34C34	E-6	YH6C6CWCC.....	C-180, C-182	YHSA10K6F	B-36
YGLR29C100.....	E-7	YH8C8C	C-180, C-182	YHSA10K6LF	B-41
YGLR29C12.....	E-7	YH8C8CWC.....	C-180, C-182	YHSA10K8	B-12
YGLR29C34	E-7	YH8C8CWCC.....	C-180, C-182	YHSA10K8BF	B-45
YGLR29C58	E-7	YHD200.....	H-29	YHSA10K8F	B-36
YGLR34C100.....	E-7	YHD200J1444	H-40	YHSA10K8FRK.....	B-36
YGLR34C12.....	E-7	YHD250.....	H-29	YHSA10K8LF	B-41
YGLR34C34.....	E-7	YHD250J1444.....	H-40	YHSA14K10.....	B-12
YGLR34C58.....	E-7	YHD3	H-31	YHSA14K10BF.....	B-45
YGS25	E-20	YHD300.....	H-29	YHSA14K10F	B-36
YGS26	E-20	YHD300J1496	H-40	YHSA14K10FRK	B-36
YGS28	E-20	YHD350.....	H-29	YHSA14K10LF	B-41
YGS29	E-20	YHD350J1496.....	H-40	YHSA14K10RK	B-12
YGS2C.....	E-20	YHD4	H-31	YHSA14K14.....	B-12
YGS34	E-20	YHD400.....	H-29	YHSA14K14FRK	B-36
YGS6C.....	E-20	YHD5	H-31	YHSA14K14RK	B-12
YGS8C.....	E-20	YHD6	H-31	YHSA14K38	B-12
YGT275.....	E-25	YHD7	H-31	YHSA14K38RK.....	B-12
YH2929.....	C-180-182	YHN450.....	H-30	YHSA14K516.....	B-12
YH2929WC	C-180, C-182	YHN500.....	H-30	YHSA14K6.....	B-12

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YHSA14K6BF	B-45	YHSQ18F25X03RK.....	B-68	YNA39RT15.....	I-5, I-13
YHSA14K6F	B-36	YHSQ18M25X03.....	B-67	YNA43R	I-4, I-12
YHSA14K6FRK.....	B-36	YHSQ18M25X03RK.....	B-67	YNA43R15	I-4, I-12
YHSA14K6LF	B-41	YHSS10.....	B-58	YNA43RT	I-5, I-13
YHSA14K8	B-12	YHSS10RK	B-58	YNA43RT15.....	I-5, I-13
YHSA14K8BF	B-45	YHSS14.....	B-58	YNA451R.....	I-4, I-12
YHSA14K8F	B-36	YHSS14RK.....	B-58	YNA451R15.....	I-4, I-12
YHSA14K8FRK.....	B-36	YHSS18.....	B-58	YNA451RT	I-5, I-13
YHSA14K8LF	B-41	YHSS18RK	B-58	YNA451RT15	I-5, I-13
YHSA14K8RK.....	B-12	YKA25R2N.....	H-35	YNA49R	I-5, I-13
YHSA18K10.....	B-12	YKA262N.....	H-37	YNA49R15	I-4, I-12
YHSA18K10BF.....	B-45	YKA26R2N.....	H-35	YNA49RT	I-5, I-13
YHSA18K10F	B-36	YKA27R2N.....	H-35	YNA49RT15	I-5, I-13
YHSA18K10FRK.....	B-36	YKA282N.....	H-37	YNA52R	I-4, I-12
YHSA18K10LF	B-41	YKA28R2N.....	H-35	YNA52R15	I-4, I-12
YHSA18K10RK.....	B-12	YKA2C2N.....	H-37	YNA52RT	I-5, I-13
YHSA18K14.....	B-12	YKA2R2N.....	H-35	YNA52RT15	I-5, I-13
YHSA18K14RK	B-12	YKA302N.....	H-37	YNA54R	I-12
YHSA18K38.....	B-12	YKA30R2N.....	H-35	YNA54R15.....	I-12
YHSA18K38RK.....	B-12	YKA321R2N.....	H-35	YNA54RT	I-13
YHSA18K516	B-12	YKA33R2N.....	H-35	YNA54RT15.....	I-13
YHSA18K516RK.....	B-12	YKA342N.....	H-37	YNA56R.....	I-4, I-12
YHSA18K6	B-12	YKA34CA2N.....	H-35	YNA56R15.....	I-4, I-12
YHSA18K6BF	B-45	YKA361R2N.....	H-35	YNA56RT.....	I-5, I-13
YHSA18K6F	B-36	YKA37R2N.....	H-35	YNA56RT15.....	I-5, I-13
YHSA18K6FRK.....	B-36	YKA391A2N.....	H-35	YNA58R	I-4, I-12
YHSA18K6LF	B-41	YKA442N.....	H-37	YNA58R15	I-4, I-12
YHSA18K6RK.....	B-12	YKA6C2N.....	H-37	YNA58RT	I-5, I-13
YHSA18K8	B-12	YM1028	K-23	YNA58RT15.....	I-5, I-13
YHSA18K8BF	B-45	YM1034	K-23	YNA594R	I-12
YHSA18K8F	B-36	YM1228	K-23	YNA594R15.....	I-12
YHSA18K8FRK.....	B-36	YM1234	K-23	YNA594RT.....	I-13
YHSA18K8LF	B-41	YM428	K-23	YNA594RT15.....	I-13
YHSA18K8RK.....	B-12	YM434	K-23	YNA59R	I-4, I-12
YHSFQ10F25X03.....	B-68	YM628	K-23	YNA59R15	I-4, I-12
YHSFQ10F25X03RK.....	B-68	YM634	K-23	YNA59RT	I-5, I-13
YHSFQ14F25X03.....	B-68	YM828	K-23	YNA59RT15.....	I-5, I-13
YHSFQ14F25X03RK.....	B-68	YM834	K-23	YNA7M10T.....	I-15
YHSFQ18F25X03.....	B-68	YNA32R	I-4, I-12	YNA7M6T.....	I-15
YHSFQ18F25X03RK.....	B-68	YNA32R15	I-4, I-12	YNA7M7T.....	I-15
YHSQ10F25X03.....	B-68	YNA32RT	I-5, I-13	YNA7M8T.....	I-15
YHSQ10F25X03RK.....	B-68	YNA32RT15	I-5, I-13	YNM428	K-24
YHSQ10M25X03.....	B-67	YNA34R	I-4, I-12	YNM434	K-24
YHSQ10M25X03RK.....	B-67	YNA34R15	I-4, I-12	YNM628	K-24
YHSQ14F11X02D.....	B-68	YNA34RT	I-5, I-13	YNM634	K-24
YHSQ14F18X02D.....	B-68	YNA34RT15.....	I-5, I-13	YNM828	K-24
YHSQ14F25X03.....	B-68	YNA36R	I-4, I-12	YNM834	K-24
YHSQ14F25X03RK.....	B-68	YNA36R15	I-4, I-12	YNS32RT	I-6, I-14
YHSQ14M25X03.....	B-67	YNA36RT	I-5, I-13	YNS34RT	I-6, I-14
YHSQ14M25X03RK.....	B-67	YNA36RT15.....	I-5, I-13	YNS36RT	I-6, I-14
YHSQ18F11X02D.....	B-68	YNA39R	I-4, I-12	YNS39RT	I-6, I-14
YHSQ18F18X02D.....	B-68	YNA39R15.....	I-4, I-12	YNS43RT	I-6, I-14
YHSQ18F25X03.....	B-68	YNA39RT	I-5, I-13	YNS451RT.....	I-6, I-14

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YNS49RT	I-6, I-14	YPC33R26U	H-25	YRB34U34TW	K-53
YNS52RT	I-6, I-14	YPC33R28R	H-25	YRB36U31	C-202
YNS54RT	I-14	YPC33R33R	H-25	YRB36U34	C-202
YNS56RT	I-6, I-14	YPC36A32	H-25	YRB39U31TW	K-53
YNS58RT	I-6, I-14	YPC36A36	H-25	YRB39U34	C-202
YNS594RT	I-14	YPC38R26U	H-25	YRB39U34TW	K-53
YNS59RT	I-6, I-14	YPC40A32	H-25	YRB39U36	C-202
YNTA245MRTACCC	I-23	YPC40A36	H-25	YRB39U39TW	K-53
YNTA36RTACCC	I-23	YPC40A40	H-25	YRB44U31TW	K-53
YNTA39RTACCC	I-23	YQE91	B-84	YRB44U34TW	K-53
YNTA43RTACCC	I-23	YR2C2WT	C-139	YRB44U39TW	K-53
YNTA451RTACCC	I-23	YRA1CU1	H-82	YRB44U44TW	K-53
YNTA49RTACCC	I-23	YRA25A1	H-82	YRV2CV6CL	B-62
YNTA52RTACCC	I-23	YRA25U	H-82	YRV4CV6CL	B-62
YNU245MRACCC	I-24	YRA26U	H-82	YRV6CV10L	B-62
YNU36RACCC	I-24	YRA27U	H-82	YRV6CV8CL	B-62
YNU39RACCC	I-24	YRA28U	H-82	YRV8CV10L	B-62
YNU43RACCC	I-24	YRA4CU1	H-82	YRV8CV14L	B-62
YNU451RACCC	I-24	YRA6CU1	H-82	YS10WAG1	C-201
YNU49RACCC	I-24	YRA8CU1	H-82	YS12AG1	C-201
YNU52RACCC	I-24	YRAL1CU	H-82	YS1C	C-139
YOT3434	H-32	YRAL4CU	H-82	YS1CA1	C-201
YOU32R	H-55	YRB1CU1TTN	K-52	YS1CLB	C-141, C-142
YOU33R	H-55	YRB1CU2TTN	K-52	YS1CLBOX	C-138
YOU35R	H-55	YRB25U2	C-202	YS1CT	C-144
YOU361R	H-55	YRB25U25TTN	K-52	YS25	C-139
YOU37R	H-55	YRB25U2TTN	K-52	YS25A1	C-201
YOU39R	H-55	YRB25U3TTN	K-52	YS25FXLTCKITC	C-148
YOU41R	H-55	YRB27U25	C-202	YS25LB	C-141, C-142
YOU421R	H-55	YRB27U25TW	K-52	YS25LBOX	C-138
YOU43R	H-55	YRB27U26	C-202	YS25LTCKITC	C-148
YOU44R	H-55	YRB2825T	K-55	YS25T	C-144
YOU453R	H-55	YRB28U1TW	K-52	YS25UCG1	K-51
YOU45R	H-55	YRB28U25TW	K-52	YS26	C-139
YOU48R	H-55	YRB28U26	C-202	YS26A1	C-201
YOU49R	H-55	YRB28U26TW	K-52	YS26FXLTCKITC	C-148
YP25U25	H-24	YRB28U28TW	K-52	YS26LB	C-141, C-142
YP26AU2	H-24	YRB28U3TW	K-52	YS26LBOX	C-138
YP27AU2	H-24	YRB29U28	C-202	YS26LTCKITC	C-148
YP27AU26	H-24	YRB2U3TTN	K-52	YS26T	C-144
YP27AU4	H-24	YRB2U4	C-202	YS26UCG1	K-51
YP28C28	H-22	YRB31U25TW	K-52	YS27	C-139
YP28U2	H-24	YRB31U28	C-202	YS27A1	C-201
YP28U26	H-24	YRB31U28TW	K-52	YS27LB	C-141, C-142
YP29C26	H-22	YRB31U29	C-202	YS27LBOX	C-138
YP2C2	H-22	YRB31U31TW	K-52	YS27UCG1	K-51
YP2U3	H-24	YRB3428T	K-55	YS28	C-139
YPC26R8U	H-26	YRB34U25TW	K-53	YS28A1	C-201
YPC28R28A	H-25	YRB34U28TW	K-53	YS28LB	C-141, C-142
YPC28U26	H-25	YRB34U29TW	K-53	YS28LBOX	C-138
YPC28U28	H-25	YRB34U30TW	K-53	YS28LTCKITC	C-148
YPC28U4	H-25	YRB34U31	C-202	YS28T	C-144
YPC2A8U	H-26	YRB34U31TW	K-53	YS28UCG1	K-51

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YS29	C-139	YS39LB	C-141, C-143	YSCM212	B-61, C-137
YS29A1	C-201	YS39LTCKITC	C-148	YSCM231	B-61, C-137
YS29FXLTCKITC	C-148	YS39T	C-144	YSCM27	B-61, C-137
YS29LB	C-141, C-142	YS3C	C-139	YSCM42	B-61, C-137
YS29LBOX	C-138	YS3CL	C-138	YSCM66	B-61, C-137
YS29T	C-144	YS3CLB	C-141, C-142	YSCM80	B-61, C-137
YS2C	C-139	YS40FXB	C-146	YSD25R25R	H-48
YS2CA1	C-201	YS40LB	C-141, C-143	YSD26R25R	H-48
YS2CFXLTCKITC	C-148	YS42A1	C-201	YSD26R26R	H-48
YS2CLB	C-141, C-142	YS44	C-139	YSD26R2R	H-48
YS2CLBOX	C-138	YS44A1	C-201	YSD26R2W	H-48
YS2CLTCKITC	C-148	YS44FXB	C-146	YSD27R25R	H-48
YS2CT	C-144	YS44FXLTCKITC	C-148	YSD27R26R	H-48
YS2UCG1	K-51	YS44L	C-138	YSD27R27R	H-48
YS30	C-139	YS44LB	C-141, C-143	YSD27R2R	H-48
YS30A1	C-201	YS45A1	C-201	YSD27R2W	H-48
YS30FXB	C-146	YS46	C-139	YSD28R25R	H-48
YS30L	C-138	YS46A1	C-201	YSD28R26R	H-48
YS30LB	C-141, C-142	YS47A1	C-201	YSD28R27R	H-48
YS30T	C-144	YS48	C-139	YSD28R28R	H-48
YS31	C-139	YS483A1	C-201	YSD28R2R	H-48
YS31A1	C-201	YS48A1	C-201	YSD28R2W	H-48
YS31ACG1	K-51	YS4C	C-139	YSE10	B-56
YS31FXB	C-146	YS4CA1	C-201	YSE10BOX	B-56
YS31L	C-138	YS4CFXLTCKITC	C-148	YSE10HHS	B-57
YS31LTCKITC	C-148	YS4CLB	C-141, C-142	YSE10HN	B-54
YS31T	C-144	YS4CLBOX	C-138	YSE14H	B-56
YS32	C-139	YS4CT	C-144	YSE14HBOX	B-56
YS32A1	C-201	YS5C	C-139	YSE14HHS	B-57
YS32FXB	C-146	YS5CLB	C-141, C-142	YSE14HN	B-54
YS32L	C-138	YS5CLBOX	C-138	YSE18H	B-56
YS32LB	C-141, C-143	YS6C	C-139	YSE18HBOX	B-56
YS34	C-139	YS6CA1	C-201	YSE18HHS	B-57
YS34A1	C-201	YS6CFXLTCKITC	C-148	YSE18HN	B-54
YS34FXB	C-146	YS6CLBOX	C-138	YSES10K	B-59
YS34FXLTCKITC	C-148	YS6CT	C-144	YSES14K	B-59
YS34L	C-138	YS8C	C-139	YSES18K	B-59
YS34LB	C-141, C-143	YS8CA1	C-201	YSH2925E	C-185
YS34LTCKITC	C-148	YS8CFXB	C-146	YSH2929	C-185
YS34T	C-144	YS8CFXLTCKITC	C-148	YSH292CE	C-185
YS36	C-139	YS8CLB	C-141, C-142	YSH3429	C-185
YS36A1	C-201	YS8CLBOX	C-138	YSH3434	C-185
YS36-FXB	C-146	YSA25R2N	H-36	YSH3931	C-185
YS36L	C-138	YSA26R2N	H-36	YSH3939	C-185
YS36LB	C-141, C-143	YSA28R2N	H-36	YSHG3429	E-13
YS38FXB	C-146	YSA2R2N	H-36	YSHG3434	E-13
YS38FXLTCKITC	C-148	YSA30R2N	H-36	YSHG3931	E-13
YS38L	C-138	YSA321R2N	H-36	YSHG4429	E-13
YS38LB	C-141, C-143	YSA37R2N	H-36	YSM10	B-60
YS39	C-139	YSCM104	B-61, C-137	YSM14	B-60
YS39A1	C-201	YSCM133	B-61, C-137	YSM18	B-60
YS39AM1	C-201	YSCM167	B-61, C-137	YSM1C	B-60
YS39L	C-138	YSCM17	B-61, C-137	YSM25	B-60

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YSM26.....	B-60	YSR3125FXTCKITC.....	C-168, C-171	YSR38FX31TCKITC.....	C-168, C-170
YSM27.....	B-60	YSR3126FXLTCKITC.....	C-152, C-159	YSR38FX34FXKITC.....	C-174, C-175
YSM28.....	B-60	YSR3128FXLTCKITC.....	C-152, C-159	YSR38FX34FXLKITC.....	C-164, C-165
YSM2C.....	B-60	YSR3128LTCKITC.....	C-152, C-159	YSR38FX34FXLTCKITC.....	C-151, C-158
YSM4C.....	B-60	YSR3128TCKITC.....	C-168, C-171	YSR38FX34LTCKITC.....	C-151, C-158
YSM6C.....	B-60	YSR3129FXKITC.....	C-174, C-175	YSR3928FXLTCKITC.....	C-150, C-157
YSM8C.....	B-60	YSR3129FXLKITC.....	C-164, C-166	YSR3928LTCKITC.....	C-150, C-157
YSP1CT.....	C-144	YSR3129FXLTCKITC.....	C-152, C-159	YSR3928TCKITC.....	C-168, C-170
YSP25T.....	C-144	YSR312CFXLTCKITC.....	C-153, C-159	YSR3929FXKITC.....	C-174, C-175
YSP26T.....	C-144	YSR312CFXTCKITC.....	C-168, C-171	YSR3929FXLKITC.....	C-164, C-165
YSP28T.....	C-144	YSR314CFXLTCKITC.....	C-153, C-159	YSR3929FXLTCKITC.....	C-150, C-157
YSP29T.....	C-144	YSR316CFXLTCKITC.....	C-153, C-159	YSR3929LTCKITC.....	C-150, C-157
YSP2CT.....	C-144	YSR32FX28FXLTCKITC.....	C-153, C-160	YSR3930LTCKITC.....	C-150, C-157
YSP30T.....	C-144	YSR32FX28FXTCKITC.....	C-169, C-171	YSR3931LTCKITC.....	C-150, C-157
YSP31T.....	C-144	YSR32FX29FXLTCKITC.....	C-153, C-160	YSR3931TCKITC.....	C-168, C-170
YSP34T.....	C-144	YSR32FX29FXTCKITC.....	C-169, C-171	YSR3934FXKITC.....	C-174, C-175
YSP39T.....	C-144	YSR3425FXLTCKITC.....	C-151, C-158	YSR3934FXLKITC.....	C-164, C-165
YSP4CT.....	C-144	YSR3425FXTCKITC.....	C-168, C-170	YSR3934FXLTCKITC.....	C-150, C-157
YSR10CFX12CLTCKITC.....	C-156, C-162	YSR3426FXLTCKITC.....	C-151, C-158	YSR3934LTCKITC.....	C-150, C-157
YSR10CFX14CLTCKITC.....	C-156, C-162	YSR3428LTCKITC.....	C-151, C-158	YSR3938FXKITC.....	C-174, C-175
YSR25FX2CFXLTCKITC.....	C-161	YSR3428TCKITC.....	C-168, C-170	YSR3938FXLKITC.....	C-164, C-165
YSR25FX2CFXLTCKITC.....	C-154	YSR3429FXKITC.....	C-174, C-175	YSR3938FXLTCKITC.....	C-150, C-157
YSR25FX4CFXLTCKITC.....	C-154, C-161	YSR3429FXLKITC.....	C-164, C-166	YSR3939LTCKITC.....	C-150, C-157
YSR25FX6CFXLTCKITC.....	C-154, C-161	YSR3429FXLTCKITC.....	C-151, C-158	YSR44FX28FXLTCKITC.....	C-150, C-157
YSR25FX6CFXTCKITC.....	C-169, C-172	YSR3431LTCKITC.....	C-151, C-158	YSR44FX28LTCKITC.....	C-150, C-157
YSR25FX8CFXLTCKITC.....	C-155, C-161	YSR3431TCKITC.....	C-168, C-170	YSR44FX29FXKITC.....	C-174, C-175
YSR26FX25FXLTCKITC.....	C-154, C-161	YSR3434FXKITC.....	C-174, C-175	YSR44FX29FXLKITC.....	C-164, C-165
YSR26FX2CFXLTCKITC.....	C-154, C-161	YSR3434FXLKITC.....	C-164, C-166	YSR44FX29FXLTCKITC.....	C-150, C-157
YSR26FX4CFXLTCKITC.....	C-154, C-161	YSR3434FXLTCKITC.....	C-151, C-158	YSR44FX29LTCKITC.....	C-150, C-157
YSR26FX6CFXLTCKITC.....	C-154, C-161	YSR34FX25FXLTCKITC.....	C-152, C-159	YSR44FX30LTCKITC.....	C-150, C-157
YSR26FX6CFXTCKITC.....	C-169, C-172	YSR34FX25FXTCKITC.....	C-168, C-170	YSR44FX31LTCKITC.....	C-150, C-157
YSR2825FXLTCKITC.....	C-153, C-160	YSR34FX26FXLTCKITC.....	C-152, C-159	YSR44FX31TCKITC.....	C-168, C-170
YSR2825FXTCKITC.....	C-169, C-171	YSR34FX28FXLTCKITC.....	C-152, C-159	YSR44FX34FXKITC.....	C-174, C-175
YSR282CFXLTCKITC.....	C-153, C-160	YSR34FX28FXTCKITC.....	C-168, C-170	YSR44FX34FXLKITC.....	C-164, C-165
YSR282CFXTCKITC.....	C-169, C-171	YSR34FX28LTCKITC.....	C-152, C-159	YSR44FX34FXLTCKITC.....	C-150, C-157
YSR284CFXLTCKITC.....	C-153, C-160	YSR34FX28TCKITC.....	C-168, C-170	YSR44FX34LTCKITC.....	C-150, C-157
YSR286CFXLTCKITC.....	C-153, C-160	YSR34FX29FXKITC.....	C-174, C-175	YSR44FX34TCKITC.....	C-168, C-170
YSR286CFXTCKITC.....	C-169, C-171	YSR34FX29FXLKITC.....	C-164, C-166	YSR44FX38FXKITC.....	C-174, C-175
YSR28FX25FXLTCKITC.....	C-154, C-160	YSR34FX29FXLTCKITC.....	C-152, C-159	YSR44FX38FXLKITC.....	C-164, C-165
YSR28FX26FXLTCKITC.....	C-154, C-160	YSR34FX2CFXLTCKITC.....	C-152, C-159	YSR44FX38FXLTCKITC.....	C-150, C-157
YSR28FX28LTCKITC.....	C-154, C-160	YSR34FX31LTCKITC.....	C-151, C-159	YSR44FX39LTCKITC.....	C-150, C-157
YSR28FX2CFXLTCKITC.....	C-154, C-160	YSR34FX4CFXLTCKITC.....	C-152, C-159	YSR44FX39TCKITC.....	C-168, C-170
YSR28FX4CFXLTCKITC.....	C-154, C-160	YSR34FX6CFXLTCKITC.....	C-152, C-159	YSR4CFX10CLTCKITC.....	C-155, C-161
YSR29FX25FXLTCKITC.....	C-153, C-160	YSR38FX26FXLTCKITC.....	C-151, C-158	YSR4CFX6CFXLTCKITC.....	C-155, C-161
YSR29FX25FXTCKITC.....	C-169, C-171	YSR38FX28FXLTCKITC.....	C-151, C-158	YSR4CFX6CFXTCKITC.....	C-169, C-172
YSR29FX28LTCKITC.....	C-153, C-160	YSR38FX28LTCKITC.....	C-151, C-158	YSR4CFX8CFXLTCKITC.....	C-155, C-161
YSR29FX2CFXLTCKITC.....	C-153, C-160	YSR38FX28TCKITC.....	C-168, C-170	YSR6CFX10CLTCKITC.....	C-155, C-162
YSR29FX2CFXTCKITC.....	C-169, C-171	YSR38FX29FXKITC.....	C-174, C-175	YSR6CFX14CLTCKITC.....	C-155, C-162
YSR2CFX4CFXLTCKITC.....	C-155, C-161	YSR38FX29FXLKITC.....	C-164, C-165	YSR6CFX8CFXLTCKITC.....	C-155, C-162
YSR2CFX6CFXLTCKITC.....	C-155, C-161	YSR38FX29FXLTCKITC.....	C-151, C-158	YSR8CFX10CLTCKITC.....	C-156, C-162
YSR2CFX6CFXTCKITC.....	C-169, C-172	YSR38FX29LTCKITC.....	C-151, C-158	YSR8CFX14CLTCKITC.....	C-156, C-162
YSR2CFX8CFXLTCKITC.....	C-155, C-161	YSR38FX30LTCKITC.....	C-151, C-158	YSS2R.....	H-49
YSR3125FXLTCKITC.....	C-152, C-159	YSR38FX31LTCKITC.....	C-151, C-158	YSS4R.....	H-49

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YSS6R.....	H-49	YSV1CLBOX.....	B-51	YTS330MRTAC5.....	I-20
YSS6RG2.....	H-49	YSV25FXB.....	C-146	YTS331AT.....	I-11
YST2525.....	C-186	YSV25L.....	B-51	YTS34RT34RS.....	I-3
YST2626.....	C-186	YSV25LBOX.....	B-51	YTS34RT34RSHT.....	I-7
YST2825.....	C-186	YSV26FXB.....	C-146	YTS351AT.....	I-11
YST2828.....	C-186	YSV26L.....	B-51	YTS361AT.....	I-11
YST282C.....	C-186	YSV26LBOX.....	B-51	YTS36RT362RS.....	I-3
YST2929.....	C-186	YSV27FXB.....	C-146	YTS36RT362RSHT.....	I-7
YST2C2C.....	C-186	YSV27L.....	B-51	YTS36RT36RS.....	I-3
YST3131.....	C-186	YSV27LBOX.....	B-51	YTS36RT36RSHT.....	I-7
YST3428.....	C-186	YSV28FXB.....	C-146	YTS36RTACCC2.....	I-20
YST3434.....	C-186	YSV28L.....	B-51	YTS375E.....	H-69, I-17
YST3939.....	C-186	YSV28LBOX.....	B-51	YTS391AT.....	I-11
YST4C4C.....	C-186	YSV2CFXB.....	C-146	YTS39AT.....	I-11
YSU25A25A.....	H-47	YSV2CL.....	B-51	YTS39RT43RS.....	I-3
YSU25R25R.....	H-47	YSV2CLBOX.....	B-51	YTS39RT43RSHT.....	I-7
YSU25R2R.....	H-47	YSV4CFXB.....	C-146	YTS39RTACCC2.....	I-20
YSU25R2W.....	H-47	YSV4CL.....	B-51	YTS431AT.....	I-11
YSU25R4W.....	H-47	YSV4CLBOX.....	B-51	YTS438E.....	H-69, I-17
YSU25R6W.....	H-47	YSV6CFXB.....	C-146	YTS43RT43RS.....	I-3
YSU2R2R.....	H-47	YSV6CL.....	B-51	YTS43RT43RSHT.....	I-7
YSU2R2W.....	H-47	YSV6CLBOX.....	B-51	YTS43RTACCC2.....	I-20
YSU2R4W.....	H-47	YSV8CL.....	B-51	YTS445AT.....	I-11
YSU2R6W.....	H-47	YSV8CLBOX.....	B-51	YTS451AT.....	I-11
YSU2R8W.....	H-47	YTA25R2N.....	H-34	YTS451RT449RS.....	I-3
YSU2W2W.....	H-47	YTA262N.....	H-36	YTS451RT449RSHT.....	I-7
YSU2W4W.....	H-47	YTA26R2N.....	H-34	YTS451RT481RS.....	I-3
YSU2W6W.....	H-47	YTA27R2N.....	H-34	YTS451RT481RSHT.....	I-7
YSU2W8W.....	H-47	YTA282N.....	H-36	YTS451RT48RS.....	I-3
YSU4W4W.....	H-47	YTA28R2N.....	H-34	YTS451RT48RSHT.....	I-7
YSU4W6W.....	H-47	YTA2C2N.....	H-36	YTS451RTACCC2.....	I-20
YSU4W8W.....	H-47	YTA2R2N.....	H-34	YTS457AT.....	I-11
YSU6W6W.....	H-47	YTA321R2N.....	H-34	YTS463AT.....	I-11
YSV10.....	B-50	YTA33R2N.....	H-34	YTS470MRTAC5.....	I-20
YSV1014G2.....	B-62	YTA342N.....	H-36	YTS47AT.....	I-11
YSV10BBOX.....	B-49	YTA361R2N.....	H-34	YTS484AT.....	I-11
YSV10BOX.....	B-50	YTA37R2N.....	H-34	YTS486AT.....	I-11
YSV10H.....	B-52	YTA391A2N.....	H-34	YTS48AT.....	I-11
YSV10HBOX.....	B-52	YTA39R2N.....	H-34	YTS48RT481RS.....	I-3
YSV1214G1.....	B-62	YTA43R2N.....	H-34	YTS48RT481RSHT.....	I-7
YSV14.....	B-50	YTS160MRTAC5.....	I-20	YTS48RT48RS.....	I-3
YSV1418.....	B-62	YTS165MRTAC5.....	I-20	YTS48RT48RSHT.....	I-7
YSV14BBOX.....	B-49	YTS235MRTAC5.....	I-20	YTS48RTACCC2.....	I-20
YSV14BOX.....	B-50	YTS245MRTAC5.....	I-20	YTS49RT483RS.....	I-3
YSV14H.....	B-52	YTS301AT.....	I-11	YTS49RT483RSHT.....	I-7
YSV14HBOX.....	B-52	YTS311AT.....	I-11	YTS49RT48RS.....	I-3
YSV18.....	B-50	YTS312E.....	I-17	YTS49RT48RSHT.....	I-7
YSV18BBOX.....	B-49	YTS320RTACCC2.....	I-20	YTS500E.....	I-17
YSV18BOX.....	B-50	YTS32RT33RS.....	I-3	YTS52RT48RS.....	I-3
YSV18H.....	B-52	YTS32RT33RSHT.....	I-7	YTS52RT48RSHT.....	I-7
YSV18HBOX.....	B-52	YTS32RT34RS.....	I-3	YTS52RT521RS.....	I-3
YSV1CFXB.....	C-146	YTS32RT34RSHT.....	I-7	YTS52RT521RSHT.....	I-7
YSV1CL.....	B-51	YTS32RTACCC2.....	I-20	YTS52RT59RS.....	I-3

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

YTS52RT59RSHT.....	I-7	YTW48RE15ACCK4.....	I-19	Z2936.....	K-19, K-20
YTS52RTACCC2.....	I-20	YTW52RE15ACCK4.....	I-19	Z2940.....	K-19, K-20
YTS530MRTAC5.....	I-20	YTW530MRE15ACK5.....	I-18	Z2944.....	K-20
YTS545MRTAC5.....	I-20	YTW545MRE15ACK5.....	I-19	Z29NR.....	K-18
YTS549RT521RS.....	I-3	YTW549RE15ACCK4.....	I-19	Z29P.....	K-17
YTS549RT521RSHT.....	I-7	YTW570MRE15ACK5.....	I-19	Z2C28.....	K-19, K-20
YTS549RT549RS.....	I-3	YTW590MRE15ACK5.....	I-19	Z2C29.....	K-19, K-20
YTS549RT549RSHT.....	I-7	YTW610MRE15ACK5.....	I-19	Z2C30.....	K-19
YTS549RT59RS.....	I-3	YTW690MRE15ACK5.....	I-19	Z2C32.....	K-19
YTS549RT59RSHT.....	I-7	YTW710MRE15ACK5.....	I-19	Z2C34.....	K-19
YTS549RTACCC2.....	I-20	YTW760MRE15ACK5.....	I-19	Z2MLDN20.....	K-15
YTS56RT59RS.....	I-3	YTW780MRE15ACK5.....	I-19	Z2MLDN230.....	K-15
YTS56RT59RSHT.....	I-7	Z104C4034.....	K-21	Z2MLDN230B.....	K-15
YTS570MRTAC5.....	I-20	Z104C4434.....	K-21	Z2MLDN40.....	K-15
YTS58RT48RS.....	I-3	Z144C4840.....	K-21	Z2MLDN430.....	K-15
YTS58RT48RSHT.....	I-7	Z1C28.....	K-20	Z2MLDN430B.....	K-15
YTS59RT521RS.....	I-3	Z1C29.....	K-19, K-20	Z2MLDN620.....	K-15
YTS59RT521RSHT.....	I-7	Z1C30.....	K-19, K-20	Z2MLDN630.....	K-15
YTS59RT59RS.....	I-3	Z1C32.....	K-19, K-20	Z2MLDN630B.....	K-15
YTS59RT59RSHT.....	I-7	Z1C34.....	K-19	Z3030.....	K-19
YTS610MRTAC5.....	I-20	Z2528.....	K-19, K-20	Z3032.....	K-19
YTS690MRTAC5.....	I-20	Z2529.....	K-19, K-20	Z3034.....	K-19
YTS710MRTAC5.....	I-20	Z2530.....	K-19, K-20	Z3036.....	K-19
YTS760MRTAC5.....	I-20	Z2532.....	K-19, K-20	Z3040.....	K-19
YTS780MRTAC5.....	I-20	Z2534.....	K-19, K-20	Z30NR.....	K-18
YTTAG388.....	E-25	Z2536.....	K-20	Z3132.....	K-19
YTU25R25R.....	H-33	Z2628.....	K-20	Z3134.....	K-19
YTU25R4W.....	H-33	Z2629.....	K-19, K-20	Z3136.....	K-19
YTU26R26R.....	H-33	Z2630.....	K-19, K-20	Z3140.....	K-19
YTU27R27R.....	H-33	Z2632.....	K-19, K-20	Z3232.....	K-19, K-20
YTU28R28R.....	H-33	Z2634.....	K-19, K-20	Z3234.....	K-19, K-20
YTU30R30R.....	H-33	Z2636.....	K-20	Z3236.....	K-19, K-20
YTU321R26R.....	H-33	Z2640.....	K-20	Z3240.....	K-19, K-20
YTU321R27R.....	H-33	Z2728.....	K-19, K-20	Z3244.....	K-20
YTU321R28R.....	H-33	Z2729.....	K-20	Z32NR.....	K-18
YTU321R2R.....	H-33	Z2730.....	K-19, K-20	Z3334.....	K-19, K-20
YTU321R321R.....	H-33	Z2732.....	K-19, K-20	Z3336.....	K-19, K-20
YTU33R26R.....	H-33	Z2734.....	K-19, K-20	Z3340.....	K-19, K-20
YTU33R28R.....	H-33	Z2736.....	K-20	Z3344.....	K-20
YTU33R33R.....	H-33	Z2740.....	K-20	Z3434.....	K-19, K-20
YTW160MRE15ACK6.....	I-18	Z2828.....	K-19	Z3436.....	K-19, K-20
YTW165MRE15ACK6.....	I-18	Z2829.....	K-19, K-20	Z3440.....	K-19, K-20
YTW235MRE15ACK5.....	I-18	Z2830.....	K-19, K-20	Z3444.....	K-19, K-20
YTW245MRE15ACK6.....	I-18	Z2832.....	K-19, K-20	Z34NR.....	K-18
YTW320RE15ACCC4.....	I-18	Z2834.....	K-19, K-20	Z34NRB.....	K-18
YTW320RE15ACCK4.....	I-18	Z2836.....	K-20	Z34P.....	K-17
YTW32RE15ACCK4.....	I-18	Z2840.....	K-20	Z3536.....	K-19
YTW330MRE15ACK6.....	I-18	Z2844.....	K-20	Z3540.....	K-19
YTW36RE15ACCK4.....	I-18	Z28NR.....	K-18	Z3544.....	K-19
YTW39RE15ACCK4.....	I-18	Z2929.....	K-19, K-20	Z3636.....	K-19, K-20
YTW43RE15ACCK4.....	I-18	Z2930.....	K-19, K-20	Z3640.....	K-19, K-20
YTW451RE15ACCK4.....	I-18	Z2932.....	K-19, K-20	Z3644.....	K-19, K-20
YTW470MRE15ACK5.....	I-18	Z2934.....	K-19, K-20	Z36NR.....	K-18

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

Z3740.....	K-19	ZM430B.....	K-10	ZMLDN520B.....	K-13
Z3744.....	K-19	ZM615.....	K-10	ZMLDN525.....	K-14
Z3840.....	K-19	ZM625.....	K-10	ZMLDN525B.....	K-14
Z3844.....	K-19	ZM625B.....	K-10	ZMLDN530.....	K-14
Z3940.....	K-19	ZM630.....	K-10	ZMLDN530B.....	K-14
Z3944.....	K-19	ZM630B.....	K-10	ZMLDN615.....	K-13
Z3C28.....	K-20	ZM815.....	K-10	ZMLDN620.....	K-13
Z4040.....	K-19	ZM825.....	K-10	ZMLDN620B.....	K-13
Z4044.....	K-19	ZM825B.....	K-10	ZMLDN625.....	K-14
Z40NR.....	K-18	ZM830.....	K-10	ZMLDN625B.....	K-14
Z40NRA.....	K-18	ZM830B.....	K-10	ZMLDN630.....	K-14
Z40P.....	K-17	ZMDN320.....	K-16	ZMLDN630B.....	K-14
Z4144.....	K-19	ZMDN320B.....	K-16	ZMS29.....	K-21
Z4244.....	K-19	ZMDN325.....	K-16	ZMS34.....	K-21
Z4344.....	K-19	ZMDN420.....	K-16	ZMS40.....	K-21
Z4444.....	K-19	ZMDN420B.....	K-16	ZMT1115.....	K-11
Z44NR.....	K-18	ZMDN425.....	K-16	ZMT1125.....	K-11
Z4646.....	K-19	ZMDN520.....	K-16	ZMT1125B.....	K-11
Z46NR.....	K-18	ZMDN520B.....	K-16	ZMT1130.....	K-11
Z4747.....	K-19	ZMDN525.....	K-16	ZMT1130B.....	K-11
Z47NR.....	K-18	ZMDN620.....	K-16	ZMT1315.....	K-11
Z4C28.....	K-19	ZMDN620B.....	K-16	ZMT1325.....	K-11
Z4C29.....	K-19	ZMDN625.....	K-16	ZMT1325B.....	K-11
Z4C30.....	K-19	ZMLDN115.....	K-13	ZMT1330.....	K-11
Z6C28.....	K-19	ZMLDN120.....	K-13	ZMT1330B.....	K-11
Z6C29.....	K-19	ZMLDN120B.....	K-13	ZMT150B.....	K-11
Z6C30.....	K-19	ZMLDN125.....	K-14	ZMT1515.....	K-11
Z72C3029.....	K-21	ZMLDN125B.....	K-14	ZMT1525.....	K-11
Z88C3429.....	K-21	ZMLDN130.....	K-14	ZMT1525B.....	K-11
ZM1015.....	K-10	ZMLDN130B.....	K-14	ZMT1530.....	K-11
ZM1025.....	K-10	ZMLDN215.....	K-13	ZMT1715.....	K-11
ZM1025B.....	K-10	ZMLDN220.....	K-13	ZMT1725.....	K-11
ZM1030.....	K-10	ZMLDN220B.....	K-13	ZMT1725B.....	K-11
ZM1030B.....	K-10	ZMLDN225.....	K-14	ZMT1730.....	K-11
ZM1215.....	K-10	ZMLDN225B.....	K-14	ZMT1730B.....	K-11
ZM1225.....	K-10	ZMLDN230.....	K-14	ZMT315.....	K-11
ZM1225B.....	K-10	ZMLDN230B.....	K-14	ZMT325.....	K-11
ZM1230.....	K-10	ZMLDN315.....	K-13	ZMT325B.....	K-11
ZM1230B.....	K-10	ZMLDN320.....	K-13	ZMT330.....	K-11
ZM1415.....	K-10	ZMLDN320B.....	K-13	ZMT330B.....	K-11
ZM1425.....	K-10	ZMLDN325.....	K-14	ZMT515.....	K-11
ZM1425B.....	K-10	ZMLDN325B.....	K-14	ZMT525.....	K-11
ZM1430.....	K-10	ZMLDN330.....	K-14	ZMT525B.....	K-11
ZM1430B.....	K-10	ZMLDN330B.....	K-14	ZMT530.....	K-11
ZM1615.....	K-10	ZMLDN415.....	K-13	ZMT530B.....	K-11
ZM1625.....	K-10	ZMLDN420.....	K-13	ZMT715.....	K-11
ZM1625B.....	K-10	ZMLDN420B.....	K-13	ZMT725.....	K-11
ZM1630.....	K-10	ZMLDN425.....	K-14	ZMT725B.....	K-11
ZM1630B.....	K-10	ZMLDN425B.....	K-14	ZMT730.....	K-11
ZM415.....	K-10	ZMLDN430.....	K-14	ZMT730B.....	K-11
ZM425.....	K-10	ZMLDN430B.....	K-14	ZMT915.....	K-11
ZM425B.....	K-10	ZMLDN515.....	K-13	ZMT925.....	K-11
ZM430.....	K-10	ZMLDN520.....	K-13	ZMT925B.....	K-11

ALPHA-NUMERIC INDEX BY CATALOG NUMBER

ZMT930	K-11
ZMT930B	K-11
ZMTDN1015	K-17
ZMTDN1025	K-17
ZMTDN815	K-17
ZMTDN820	K-17
ZMX1015	K-12
ZMX1025	K-12
ZMX1025B	K-12
ZMX1030	K-12
ZMX1030B	K-12
ZMX1215	K-12
ZMX1225	K-12
ZMX1225B	K-12
ZMX1230	K-12
ZMX1230B	K-12
ZMX1415	K-12
ZMX1425	K-12
ZMX1425B	K-12
ZMX1430	K-12
ZMX1430B	K-12
ZMX1615	K-12
ZMX1625	K-12
ZMX1625B	K-12
ZMX1630	K-12
ZMX1630B	K-12
ZMX1815	K-12
ZMX1825	K-12
ZMX1825B	K-12
ZMX1830	K-12
ZMX1830B	K-12
ZMX415	K-12
ZMX425	K-12
ZMX425B	K-12
ZMX430	K-12
ZMX430B	K-12
ZMX615	K-12
ZMX625	K-12
ZMX625B	K-12
ZMX630	K-12
ZMX630B	K-12
ZMX815	K-12
ZMX825	K-12
ZMX825B	K-12
ZMX830	K-12
ZMX830B	K-12

STANDARD TERMS AND CONDITIONS OF SALE

1. **Applicability.** BURNDY, LLC ("Seller") hereby offers for sale to the buyer named on the face hereof ("Buyer") the products listed on the face hereof (the "Products") on the express condition that Buyer agrees to accept and be bound by the terms and conditions set forth herein. Any provisions contained in any document issued by Buyer are expressly rejected and if these terms and conditions differ from the terms of Buyer's offer, this document shall be construed as a counter offer and shall not be effective as an acceptance of Buyer's document. Buyer's receipt of Products provided hereunder will constitute Buyer's acceptance of these terms and conditions. This is the complete and exclusive statement of the contract between Seller and Buyer with respect to Buyer's purchase of the Products. No waiver, consent, modification, amendment or change of the terms contained herein shall be binding unless in writing and signed by Seller and Buyer. Seller's failure to object to terms contained in any subsequent communication from Buyer will not be a waiver or modification of the terms set forth herein. All orders are subject to acceptance in writing by an authorized representative of Seller.

2. **Prices.** Prices in written quotations issued by Seller are valid for thirty (30) days. All other prices are subject to change at any time, unless otherwise expressly agreed by Seller. Any prices shown in published literature are maintained as a general source of information and are not quotations or offers to sell. Seller reserves the right to make corrections due to typographical, clerical or engineering errors or due to incomplete or inaccurate information from Buyer. Prices for accepted orders may change due to customer order, quantity, material or engineering changes.

3. **Taxes.** Prices do not include any state, local, use or excise taxes, duties or other charges now or hereafter imposed for which Seller may be liable as a result of the sale, use or delivery of the Products ("Taxes"). In the absence of proper evidence of exemption supplied by Buyer to Seller, Buyer will be responsible for any and all such Taxes.

4. **Minimum Order Quantity.** Orders are subject to standard package sizes.

5. **Payment Terms.** Subject to credit approval, unless otherwise specified on the quotation or invoice, payment terms shall be Net 30 days from the date of invoice. All payment shall be in US dollars. If Buyer fails to pay any amounts when due, Buyer agrees to pay Seller interest thereon at a periodic rate of the greater of the maximum percentage allowed by law or 1% per month. Buyer will also be responsible for all costs and expenses, including attorneys' fees incurred by Seller in collecting any overdue amounts or otherwise enforcing Seller's rights hereunder.

6. **Shipping and Delivery.** Estimated delivery dates are provided in the quotation or acknowledgment, and shall not represent a fixed or guaranteed ship date. Unless otherwise agreed to by Seller, Seller reserves the right to ship at its convenience and/or ship and invoice for partial orders. All deliveries are FCA Seller's location (INCOTERMS 2010); freight may be pre-paid and added to invoice. Seller may stop delivery of Products in transit and/or withhold shipments in whole or in part if Buyer fails to make any payment to Seller when due or otherwise fails to perform under these terms. In the event of a delay due to any cause beyond Seller's reasonable control, Seller reserves the right to terminate the order or to reschedule the shipment within a reasonable period of time, and Seller shall not be responsible for any damages resulting from delay. If delivery is delayed due to any cause within Buyer's control, Seller may place the Products in storage at Buyer's risk and expense and for Buyer's account.

7. **Title and Risk of Loss.** Title and risk of loss to the Products shall pass to Buyer upon delivery by Seller to the carrier.

8. **Cancellations. Returns.** Orders may not be cancelled or modified once accepted by Seller unless agreed upon in writing by Seller. Any cancellation or return of Products shall be subject to Seller's return policies, and may be subject to Seller's cancellation or restocking fee. Seller's restocking policy is available upon request. Non-stock or special order items are non-cancellable and non-returnable. No returns shall be permitted without a Return Material Authorization (RMA).

9. **Packaging. Allocation.** All Products are packaged in accordance with Seller's standard packaging, unless otherwise agreed upon by the parties. Additional or modified packaging requirements may result in an increase in price. In the event

of inability for any reason to supply the total demand for the materials or Products specified, Seller may allocate its available supply among any or all purchasers, at its discretion and without liability for failure of performance that may result therefrom.

10. **Tooling.** Any tooling required for an initial order will be billed to Buyer. Any Non-Recurring Engineering (NRE) charges invoiced by Seller shall not be deemed to grant any right, title or interest in any tools, dies, jigs, fixtures and items of like nature, or in any design, engineering, trade secret, patent or other proprietary rights embodied in the tooling, upon Buyer's payment of such charges and such items shall at all times be, and remain, the property of Seller.

11. Warranty.

11.1 Seller warrants that the Products will perform substantially in accordance with Seller's published specifications (or other applicable specifications as agreed upon in writing by Seller) and will be free from defects in material and workmanship, when subject to normal, proper and intended usage by properly trained personnel, for the following warranty period, which shall begin on the date of shipment by Seller (the "Warranty Period"): (a) Tools: The Warranty Period shall be as specified in the product literature or, if no period is so specified, five (5) years; (b) UL Listed Products: the Warranty Period shall be two (2) years; (c) for all other products, the Warranty Period shall be 30 days. (d) For UL Certified Compression Connection (the "Connection"), provided that the Connection is made using (i) a recommended and properly calibrated tool, (ii) a recommended and properly calibrated die set, and (iii) a compression connector manufactured by Seller and specified in the UL Listing for such connection, and Buyer otherwise complies with the requirements set forth in the applicable UL Listing, Seller warrants that the Connection will conform with the UL Listing for a period of 5 years from the date the Connection is made, provided such Connection is made within one year of the purchase of the connector used in the Connection.

11.2 Remedies. During the Warranty Period, Seller agrees to repair or replace, at Seller's option, Products in order to ensure that the Products perform in accordance with the applicable specifications provided that Buyer shall (a) promptly notify Seller in writing upon the discovery of any defect, which notice shall include the product model and serial number (if applicable) and details of the warranty claim; and (b) after Seller's review, Seller will provide Buyer with a RMA. Buyer may return the defective Products to Seller with all costs prepaid by Buyer. In case of a defect in the Connection during the Warranty Period, Seller shall replace the connector used to make such connection. All replaced parts shall become the property of Seller. Shipment to Buyer of repaired or replacement Products shall be made in accordance with the Delivery provisions herein. Any consumables, including but not limited to, bulbs and batteries, are excluded from warranty. Seller will have no obligation to make repairs, replacements or corrections which are defective as a result of: (i) normal wear and tear, (ii) Buyer's misuse, fault or negligence, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage, maintenance, installation and handling of the Products, and in the case of the Connection, Buyer's failure to use Seller's Tool, connector and die set Products, as specified in 11.1 (d) above, and in accordance with the requirements of the UL Listing for such Connection. If Seller determines that Products for which Buyer has requested warranty services are not covered by the warranty hereunder, Buyer shall pay or reimburse Seller for all costs of investigating and responding to such request at Seller's then prevailing time and materials rates. If Seller provides repair services or replacement parts that are not covered by this warranty, Buyer shall pay Seller therefor at Seller's then prevailing time and materials rates. THE OBLIGATIONS CREATED BY THIS WARRANTY TO REPAIR OR REPLACE A DEFECTIVE PRODUCT SHALL BE THE SOLE REMEDY OF BUYER IN THE EVENT OF A DEFECTIVE PRODUCT OR SERVICE. EXCEPT AS EXPRESSLY PROVIDED HEREIN, SELLER DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, WITH RESPECT TO THE PRODUCTS, INCLUDING WITHOUT LIMITATION ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. In no event will Seller's aggregate liability under warranty exceed the price paid by Buyer for the defective Product. Products supplied by Seller that are obtained by Seller from a third party supplier are not warranted by Seller. At

STANDARD TERMS AND CONDITIONS OF SALE

its discretion and to the extent Seller is permitted, Seller agrees to assign to Buyer any warranty rights in such Product that Seller may have from the third party supplier. The Warranty Period for replacement Products shall be the remainder of the original Warranty Period.

12. Intellectual Property. Seller's specifications and design of the Products and any developments, improvements and intellectual property created under this order, whether made solely by a party or jointly by Buyer and Seller ("Intellectual Property") shall be owned by Seller. Buyer is not granted any interest, right or license with respect to any such intellectual property, except to the extent required to use the Products for the purpose for which it is specifically provided to Buyer in accordance with these terms and conditions.

13. Software. With respect to any software incorporated in or forming a part of the Products hereunder ("Software"), Seller and Buyer intend and agree that such Software is being licensed and not sold. Notwithstanding anything to the contrary contained herein, Seller or its licensor, as the case may be, retains all rights and interest in Software. Seller hereby grants to Buyer a royalty-free, non-exclusive, nontransferable license, without power to sublicense, to use Software provided hereunder solely in connection with the Products and to use the related documentation solely for Buyer's own internal business purposes. This license will terminate when Buyer's lawful possession of the Products ceases, unless earlier terminated as provided herein. Buyer agrees to not sell, transfer, license, loan or otherwise make available in any form Software to any third party. Buyer may not disassemble, decompile or reverse engineer, copy, modify, enhance or otherwise change or supplement the Software without Seller's prior written consent. Seller may terminate this license if Buyer fails to comply with any term or condition herein.

14. Indemnity. By Seller. Seller agrees to indemnify, defend and save Buyer from and against any and all damages, liabilities, actions, causes of action, suits, claims, demands, losses, costs and expenses (including without limitation reasonable attorney's fees) ("Claims") for (i) personal injury or death or damage to real property to the extent caused by the negligence or willful misconduct of Seller, its employees, agents or representatives in connection with the performance of services at Buyer's premises and (ii) claims that a Product infringes any valid United States patent, copyright or trade secret. Notwithstanding the foregoing, Seller shall have no liability to the extent any such Claims are caused by either (i) the negligence or willful misconduct of Buyer or third party, (ii) use of a Product in combination with equipment or software not supplied by Seller where the Product would not itself be infringing, (iv) Seller's compliance with Buyer's designs, specifications or instructions, (v) use of the Product in an application or environment for which it was not designed or (vi) service, installation or modification of any Product except by Seller. Buyer shall provide Seller prompt written notice of any Claims and Seller shall have the right to assume exclusive control of the defense of such claim or, at the option of the Seller, to settle the same. Buyer agrees to cooperate reasonably with Seller in connection with the performance by Seller of its obligations in this Section. Notwithstanding the above, Seller's infringement related indemnification obligations shall be extinguished and relieved if Seller, at its discretion and at its own expense (a) procures for Buyer the right, at no additional expense to Buyer, to continue using the Product; (b) replaces or modifies the Product so that it becomes non-infringing, provided the modification or replacement does not adversely affect the specifications of the Product or (c) if neither of the preceding is reasonably practicable, refund the purchase price for the Product. THE FOREGOING INDEMNIFICATION PROVISION STATES SELLER'S ENTIRE LIABILITY TO BUYER FOR THE CLAIMS DESCRIBED HEREIN.

By Buyer. Buyer shall indemnify, defend and hold harmless Seller from and against any and all Claims to the extent arising from or in connection with (i) the negligence or willful misconduct of Buyer; (ii) use of a Product in combination with equipment or software not supplied by Seller where the Product itself would not be infringing; (iii) Seller's compliance with designs, specifications or instructions supplied to Seller by Buyer; (iv) use of a Product in an application or environment for which it was not designed; or (v) modifications of a Product by anyone other than Seller.

15. Limitation of Liability. Notwithstanding anything to the contrary contained herein, Seller's aggregate liability for any claim of any kind shall not exceed the price paid by Buyer for the products giving rise to such claim. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, LIQUIDATED, OR CONSEQUENTIAL DAMAGES HOWSOEVER ARISING OUT OF SELLER'S PERFORMANCE (OR NON- PERFORMANCE) OF THE CONTRACT AND NOTWITHSTANDING WHETHER BUYER MAY HAVE BEEN ADVISED OR IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

16. Compliance with Laws. Export Laws. Seller agrees to observe and comply with all applicable federal, state and local laws, rules, regulations, including but not limited to all applicable laws, regulations, laws, treaties, and agreements relating to the export, re-export, and import of any Product or part of Product. Buyer shall not, without first obtaining any required license to do so from the appropriate U.S. government agency; (i) export or re-export any Product or part of a Product, or (ii) export, re-export, distribute or supply any Product or part of a Product to any restricted or embargoed country or to a person or entity whose privilege to participate in exports has been denied or restricted by the U.S. government. At Seller's request, Buyer will provide information on the end user and end use of any Product or part thereof exported or to be exported by Buyer. Buyer shall cooperate fully with Seller in any audit or inspection related to applicable export or import control laws or regulations, and shall indemnify and hold Seller harmless from, or in connection with, any violation of this section by Buyer or its employees, consultants, or agents.

17. Miscellaneous. (a) Any legal claim shall be controlled under the laws of the state of the Seller's primary place of business. Seller and Buyer agree to accept and be bound by the exclusive jurisdiction of the federal and state courts thereof. The application to this Agreement of the U.N. Convention on Contracts for the International Sale of Goods is hereby expressly excluded.

(b) In the event that any one or more provisions contained in these terms shall be held by a court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall remain in full force and effect.

(c) Seller's failure to enforce or waiver of a breach of any provision contained herein shall not constitute a waiver of any other breach or of such provision.

(d) Any notice or communication required or permitted hereunder shall be in writing and shall be deemed received when personally delivered or three (3) business days after being sent by certified mail, postage prepaid, to a party at the address specified herein or at such other address as either party may from time to time designate to the other. (e) Buyer may not assign or delegate any rights or obligations without Seller's prior written consent. (f) Seller reserves the right to place a Lien and notifications of liens should Seller not be paid for equipment provided hereunder.

(g) Buyer agrees that all pricing, discounts, data, design and technical information, operations/maintenance manuals, testing procedures, drawings, schematics and any other information regarding the Products or Seller's processes provided by Seller to Buyer are the confidential and proprietary information of Seller. Buyer agrees to (a) keep such information confidential and not disclose such information to any third party, and (b) use such information solely for Buyer's internal purposes and in connection with the Products supplied hereunder. Nothing herein shall restrict the use of information available to the general public.



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		INSTALLATION TOOLING SYSTEM												
Conductor		LUGS & SPLICES One & Two HOLE				TAPS Thin-Wall C-taps Run=Tap, AWG only			TAPS Heavy Duty C-Taps Run=Tap			TAPS H-Taps Run=Tap		
		Die	Color	Index	T&B Index Code (Flex)	Die	Color	Index	Die	Color	Index	Die	Color	Index
AWG	FLEX													
#8/#6 sol	#8	W8CVT U8CRT	RED	49	21	W4CVT	GRAY	8	U240	RED	240	U11T-1	GREEN	11
#6	#6	W5CVT U5CRT	BLUE	7	24	W2CVT	BROWN	10	UC	BROWN	C	UBGRT	ORANGE	BG
#4	#4	W4CVT U4CRT	GRAY	8	29	W25VT	PINK	12	UC	BROWN	C	UC	BROWN	C
#3/#2 sol		W3CRT U3CRT	WHITE	9		W26VT	BLACK	13	UC	BROWN	C	UC	BROWN	C
#2	#2	W2CVT U2CRT	BROWN	10	33	W27VT	ORANGE	14	UC	BROWN	C	UC	BROWN	C
#1	#1	W1CVT U1CRT-1	GREEN	11		W28VT	PURPLE	15	U997	ORANGE	997	U654	PURPLE	654
1/0	1/0	W25VT U25RT	PINK	12	42 (45)	W29VT	YELLOW	16	U997	ORANGE	997	U654	PURPLE	654
2/0	2/0	W26VT U26RT	BLACK	13	45 (50)		REFER TO CATALOG		U997	ORANGE	997	U654	PURPLE	654
3/0	3/0	W27VT U27RT	ORANGE	14					U997	ORANGE	997	U654	PURPLE	654
4/0	4/0	W28VT U28RT	PURPLE	15	54 (62)	-	-	-	U997	ORANGE	997	U654	PURPLE	654
250	4/0/ 250 class G & H	W29VT U29RT	YELLOW	16		-	-	-	U997	ORANGE	997	U654	PURPLE	654
300	262/ 250 class I, K & M	W30VT U30RT	WHITE	17		-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
350	313	W31VT U31RT	RED	18	71	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
	350/ 373	W32VT U32RT	BLUE	19		-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
500	444	W34VT U34RT	BROWN	20	87	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
	500/ 535	U38XRT	PINK	L99		-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
600		U36RT	GREEN	22	(99)	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
700		U38RT	PINK	400		-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
750	646	U39RT	BLACK	24	106	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
	750/ 777	U44XRT P44XRT-1	YELLOW	L115										
800		P40RT	ORANGE	25	(115)	-	-	-	P1102	WHITE	1102	PYFR	YELLOW	KR
1000		P44RT	WHITE	27		-	-	-	P1102	WHITE	1102	PYFR	YELLOW	KR



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