

Compression Connections

Copper Compression — Terminal — 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 ♦

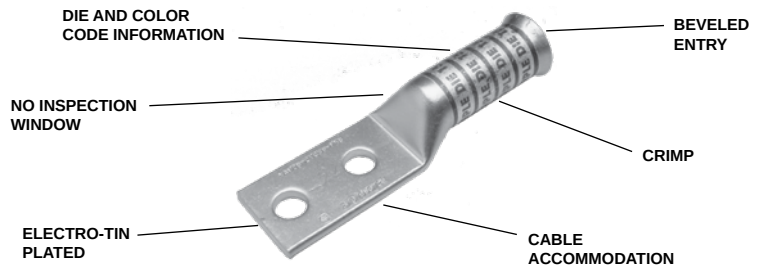
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

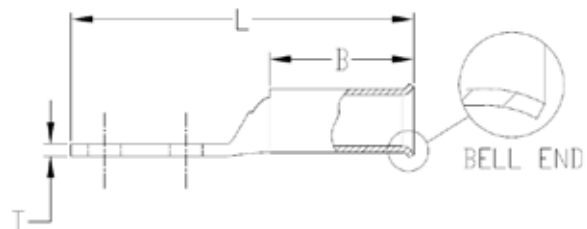
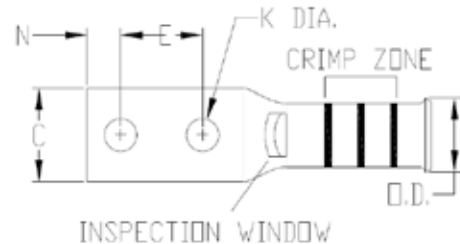
- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during insertion
- Long 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 - 250 kcmil 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



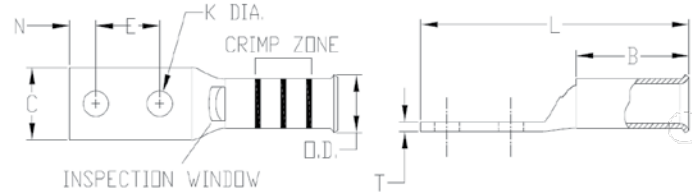
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



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TYPES YA-2TC-FXB, YAV-2TC-FXB (Continued)



▲ See Copper Flex Long Barrel Terminal Tooling Tables in this section for complete tool and die listing information.

Catalog Number	Conductor			Color Code	Die Index	Stud Size	Figure Dimensions								Wire Strip Length
	Code	Flex	Metric MM ² ***				Stud Hole Diameter (K)	Outside Diameter (OD)	Barrel Length (B)	Pad Width (C)	Overall Length (L)	Hole Spacing (E) & (F)	Hole Offset (N)	Pad Thickness (T)	
YAV282TC14E2FXB	4/0 AWG	4/0 AWG G,H,I,K,M DLO	120	Purple	15	1/4	0.27	0.77	1.77	114	3.76	3/4"	0.31	0.14	1-7/8
YAV282TC38FXB						3/8	0.40	0.77	1.77	114	4.20	1"	0.41	0.14	
YAV282NT38FXB						3/8	0.40	0.77	1.77	114	4.20	1"	0.41	0.14	1-7/8
YAV282NTC38FXB						3/8	0.40	0.77	1.77	114	4.20	1-3/4"	0.41	0.14	
YAV282NFXB						1/2	0.56	0.77	1.77	114	5.39	1-3/4"	0.62	0.14	
YAV292TC14E2FXB	250 kcmil	4/0 AWG G,H,I,K,M DLO	—	Yellow	16	1/4	0.27	0.80	2.16	118	4.19	3/4"	0.31	0.16	2-1/4
YAV292TC38FXB						3/8	0.40	0.80	2.16	118	3.62	1"	0.41	0.16	
YAV292NT38FXB						3/8	0.40	0.80	2.16	0.75	5.54	1"	0.41	0.16	
YAV292NTC38FXB						3/8	0.40	0.80	2.16	118	5.37	1-3/4"	0.41	0.16	
YAV292NFXB						1/2	0.56	0.80	2.16	118	5.81	1-3/4"	0.62	0.16	
YA302NFXB	—	250 kcmil G,H	—	Yellow	16	1/2	0.56	0.81	2.16	120	5.80	1-3/4"	0.62	0.16	2-1/4
YA312TC38FXB	—	250 kcmil 4/0 AWG G,H,I,K,M DLO (550/24)	150	White	17	3/8	0.40	0.88	2.18	1.29	4.66	1"	0.41	0.18	2-1/4
YA312NFXB						1/2	0.56	0.88	2.18	1.29	5.85	1-3/4"	0.62	0.18	
YA322TC38FXB	—	300 kcmil G,H,I,K,M DLO 313 (775/24)	185	Red	18	3/8	0.40	0.95	2.32	1.40	4.85	1"	0.41	0.19	2-1/4
YA322NFXB						1/2	0.56	0.95	2.32	1.40	6.04	1-3/4"	0.62	0.19	
YA342TC38FXB	—	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	Blue	19	3/8	0.40	1.06	2.48	1.55	5.10	1"	0.41	0.23	2-9/16
YA342NFXB						1/2	0.56	1.06	2.48	1.55	6.29	1-3/4"	0.62	0.23	
YA362NFXB	—	500 kcmil G,H DLO 444 (110/24)	300	Brown	20	1/2	0.56	1.18	2.95	1.73	6.84	1-3/4"	0.62	0.26	3-1/16
YA382NFXB	—	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (250/24)	300	Pink	L99	1/2	0.56	1.25	3.08	1.84	7.01	1-3/4"	0.62	0.26	3-3/16
YA382FXBG2						1/2	0.40	1.25	3.08	1.84	6.82	2"	0.41	0.27	
YA382FXBG3						1/2	0.52	1.25	3.08	1.84	6.26	1-3/16"	0.53	0.27	
YA382TC38FXB						3/8	0.40	1.25	3.08	1.84	6.01	1"	0.50	0.26	
YA402NFXB	—	650 kcmil G DLO 646 (1600/24)	400	Black	24	1/2	0.56	1.35	3.24	1.98	7.22	1-3/4"	0.62	0.30	3-5/16
YA442TC38FXB	—	750 kcmil G,H DLO 777 (1925/24)	500	Yellow	L115	3/8	0.40	1.50	3.33	2.19	6.44	1"	0.50	0.33	3-7/16
YA442NFXB						1/2	0.56	1.50	3.33	2.19	7.44	1-3/4"	0.62	0.33	
YA462NFXB	—	1111 kcmil DLO (2750/24)	—	—	29	1/2	0.56	1.84	3.58	2.69	7.91	1-3/4"	0.62	0.39	3-11/16

*** 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

Notes: All dimensions shown are for reference only.

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