

# Compression Connections

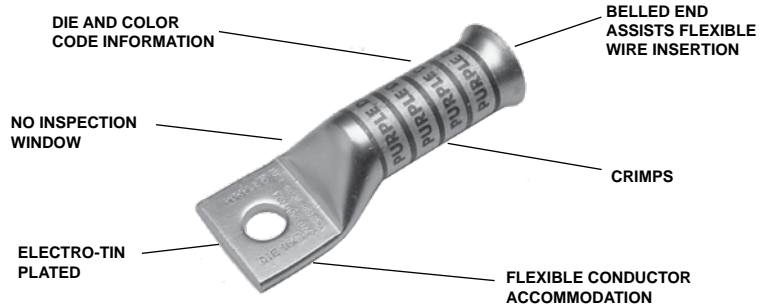
Copper Compression — Flex — One Hole  
Long Barrel, Belled End — No Inspection Window

## 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

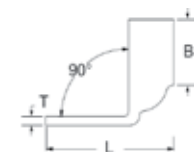
Straight



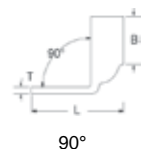
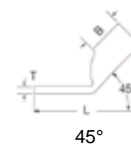
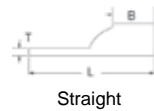
45°



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 <sup>2</sup> ***			(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							

\* Use PUADP1 adapter with U dies in 46 Series

\*\* The 16 MM<sup>2</sup> and 120 MM<sup>2</sup> referenced here are for both Class 2 and Class 5 conductor

\*\*\* The MM<sup>2</sup> 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.