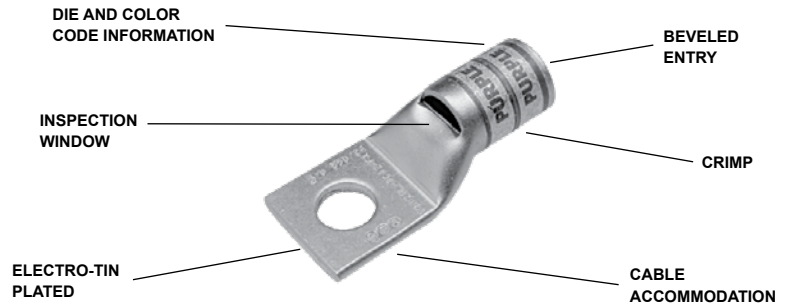


## TYPES YA-L, YA-L-FX, YAV, YAV-L-FX

### 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

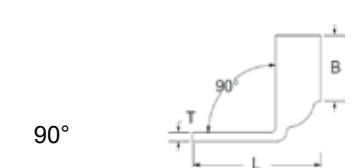
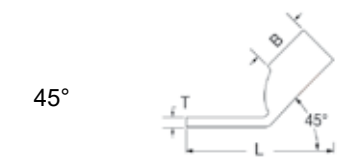


### Features & Benefits

- 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.



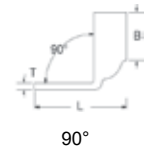
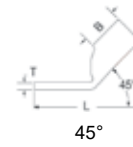
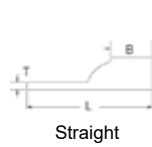
### Accessories

- 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/KCMIL	MM <sup>2</sup> ***			(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	MRC840 (1)							
YA8CL3BOX			3/8	0.58	0.44	0.06	1.51	4PC Series (1) Y8MRB1 (1) 81K Series (1)							
YA8CL4BOX	#6 Sol #8 Sol		1/2	0.71	0.44	0.05	1.76								
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	Y122CMR (1) 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) W1CRT1 (1) X1CRT1 (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (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) 4PC 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	644 Series (1) 444 Series (1) MY29 Series (1) 81K Series (1) 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 MM<sup>2</sup> conductor size listed is for both Class 2 and Class 5 conductors

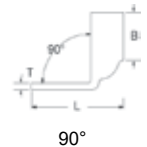
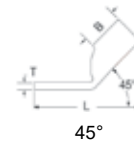
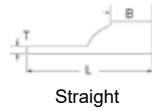
\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

▲ 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 <sup>2</sup> ***			(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	**	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 MM<sup>2</sup> conductor size listed is for both Class 2 and Class 5 conductors

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

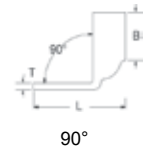
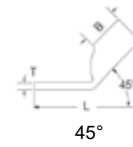
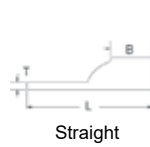
▲ See tooling section of this catalog for complete tool and die listings. Use only color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

◆ 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 <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YA38LTC516FX	500 kcmil	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	H,I,K		3/8	1.84	1.45	0.27	3.34							
YA38LTC12FX	550 kcmil G,H,I		1/2	1.84	1.45	0.27	3.41							
YA38LTC58FX	535 DLO		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 MM<sup>2</sup> conductor size listed is for both Class 2 and Class 5 conductors

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

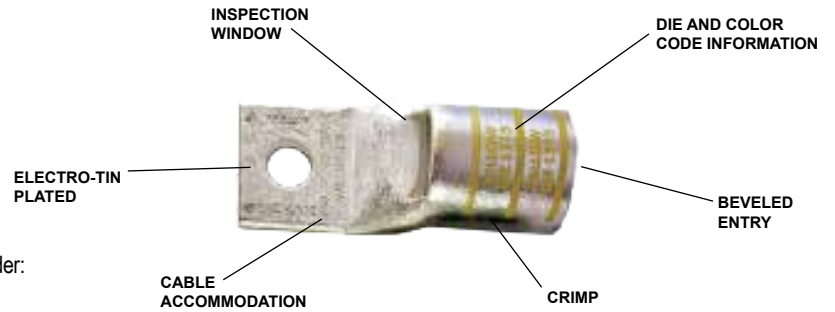
**Note:** All dimensions shown are for reference only

## 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

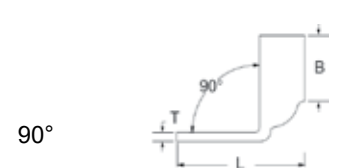
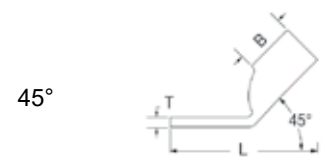
- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed to allow for parallel terminations of wire in limited space applications
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth 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

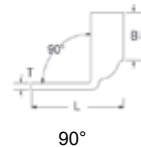
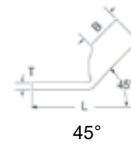
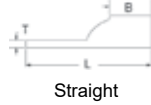
- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



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

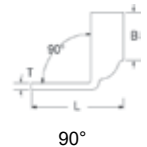
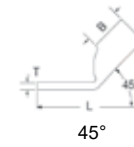
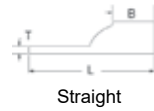
\* Use PUADP1 adaptor with U dies in 46 Series

\*\*\* The MM<sup>2</sup> 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 <sup>2</sup> ***			(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 MM<sup>2</sup> 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 YAG-L-TC

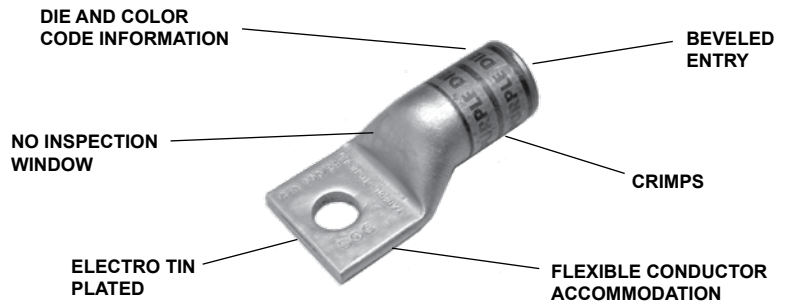
### HYLUG™

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.

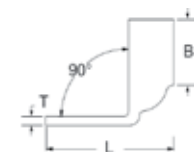
Straight



45°



90°

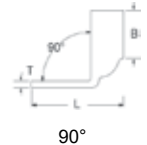
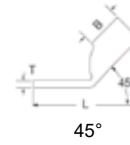
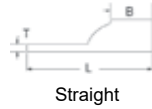


### Accessories

- 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-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 <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code		Die Index
YAG8CLTC14FX	#8 AWG	** 10	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		1/2	0.71	0.44	0.05	1.76	Y122CMR (1) 81K Series (1)						
YAG6CLTC14FX	#6 AWG	** 16	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		3/8	0.58	0.50	0.06	1.61	Y122CMR (1) 81K Series (1)						
YAG6CLTC12FX	#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) 81K Series (1)						
YAG4CLTC12FX	#4 Sol		1/2	0.71	0.50	0.07	1.92	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) 81K Series (1)						
YAG2CLTC12FX	#2 Sol		1/2	0.73	0.63	0.09	2.12	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 Sol		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	1/0 Sol		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	2/0 Sol		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	3/0 Sol		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	4/0 Sol		1/2	1.14	1.03	0.15	2.70	81K Series (1)						

\* Use PUADP1 adapter with U dies in 46 Series

\*\*\* The MM<sup>2</sup> conductor size referenced here is for Class 5 conductor

\*\* The MM<sup>2</sup> conductor size referenced here is for Class 2 and Class 5 conductor

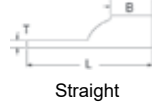
▲ See tooling section of this catalog for complete tool and die listings

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)



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	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
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 MM<sup>2</sup> conductor size referenced here is for Class 5 conductor

\*\* The MM<sup>2</sup> 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 ◆

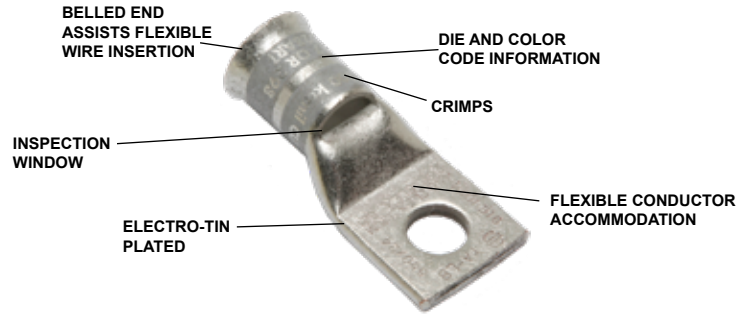
45° and 90° angles available. Please contact Customer Service to order:  
1-800-346-4175

### Features & Benefits

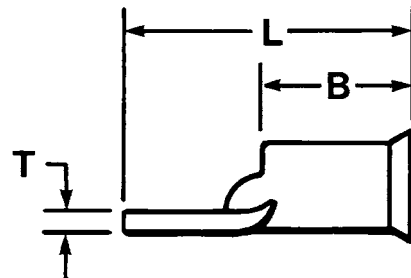
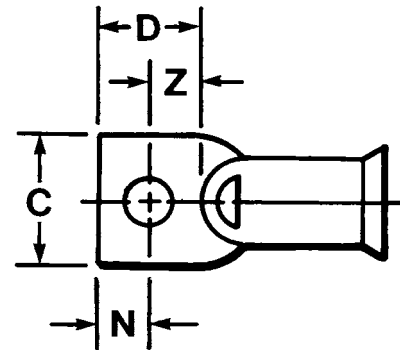
- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during 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



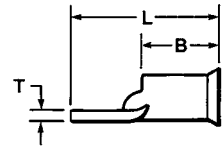
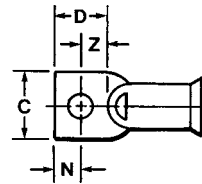
**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



# 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 ◆

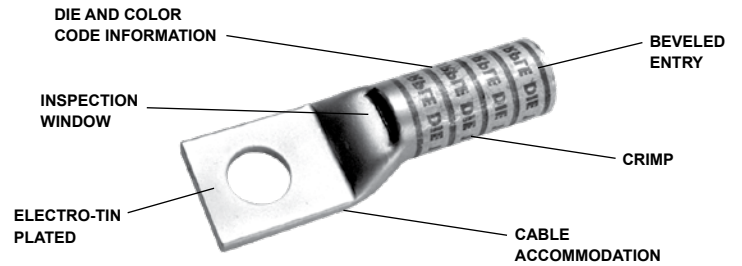
45° and 90° angles available. Please contact Customer Service to order:  
1-800-346-4175

### Features & Benefits

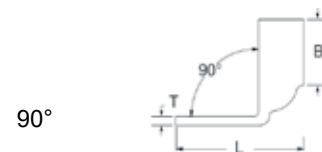
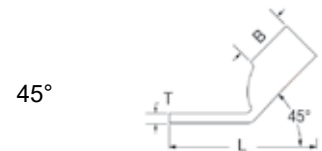
- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Long barrel allows 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



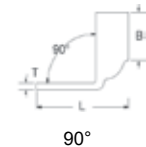
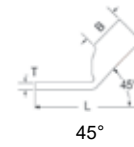
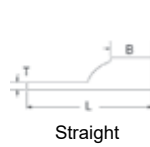
**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



# 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 <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46 <sup>+</sup> 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 #6 Sol #8 Sol	3/8	.58"	0.75	0.06	1.75									
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			W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-7/16
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		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 MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor

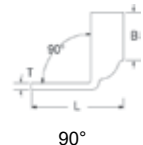
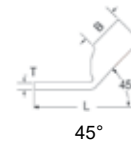
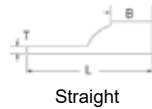
\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

▲ 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 <sup>2</sup> ***			(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 MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor

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

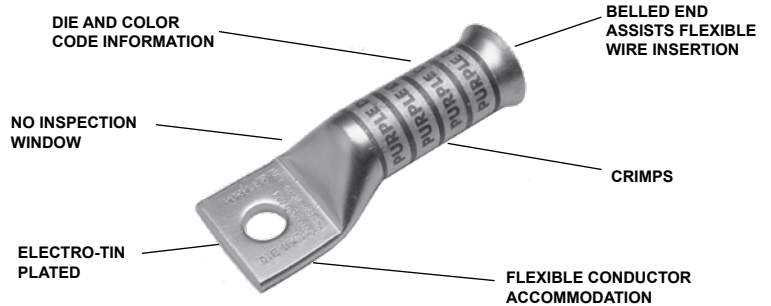
Copper Compression — Flex — One Hole  
Long Barrel, Belled End — No Inspection Window

## 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.

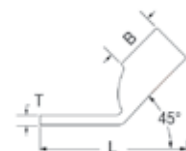
### Accessories

- 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

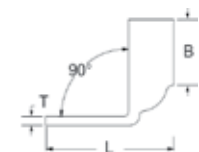
Straight



45°

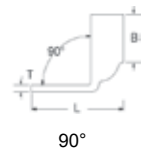
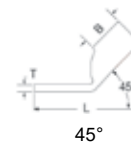
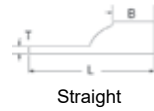


90°





## 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 <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							
YAV4CTC10FXB	#4 AWG #4 Flex G,H,I,K,M, DLO	—	#8-#10	0.55	1.22	0.09	2.05	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
YAV4CTC14FXB			1/4	0.55	1.22	0.09	2.17							
YAV4CTC516FXB			5/16	0.55	1.22	0.09	2.24							
YAV2CTC10FXB	#2 AWG #2 Flex G,H,I,K,M, DLO	35	#8-#10	0.68	1.35	0.10	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
YAV2CTC516FXB			5/16	0.68	1.35	0.10	2.43							
YAV1CTC10FXB	#1 AWG #1 Flex G,H,I,K,M, DLO	—	#8-#10	0.75	1.50	0.12	2.41	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W1CVT (2)	W1CVT (2)	U1CRT1 (2)	Green	11	1-9/16
YAV1CTC516FXB			5/16	0.75	1.50	0.12	2.60							
YAV25TC10FXB	1/0 AWG 1/0 Flex G,H,I,K,M, DLO	50	#8-#10	0.83	1.50	0.12	2.45	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W25VT (4)	W25VT (4)	U25RT (2)	Pink	12	1-9/16
YAV25TC516FXB			5/16	0.83	1.50	0.12	2.64							
YAV25TC38FXB			3/8	0.83	1.50	0.12	2.77							
YAV25TC12FXB			1/2	0.83	1.50	0.12	3.20							
YAV26TC38FXB	2/0 AWG 2/0 Flex G,H,I,K,M, DLO	70	3/8	0.93	1.63	0.13	2.95	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W26VT (4)	W26VT (4)	U26RT (2)	Black	13	1-13/16
YAV26TC12FXB			1/2	0.93	1.63	0.13	3.39							
YAV27TC12FXB	3/0 AWG 3/0 Flex G,H,I,K,M, DLO	95	1/2	1.04	1.64	0.14	3.44	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (2)	W27VT (4)	W27VT (4)	U27RT (2)	Orange	14	1-13/16

\* 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.

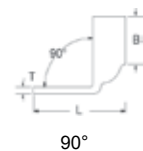
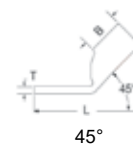
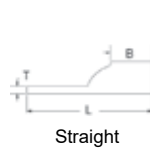
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

**Note:** All dimensions shown are for reference only.

# 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 <sup>2</sup> ***			(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													
YA30TC12FXB	250 kcmil G,H	—	1/2	1.20	4.04	0.16	4.04		W29VT (4)	W29VT (4)	U29RT (2)	Yellow	16	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)	W30VT (4)	W30VT (4)	U30RT (4)	White	17	2-1/4						
YA32TC12FXB	300 kcmil G,H,I,K,M, 313 DLO	185	1/2	1.40	2.32	0.19	4.28		W31VT (4)	W31VT (4)	U31RT (4)	Red	18	2-1/4						
YA34TC12FXB	350 kcmil G,H,I,K,M, 373 DLO	240	1/2	1.55	2.48	0.23	4.54		W32VT (4)	W32VT (4)	U32RT (4)	Blue	19	2-9/16						
YA36TC12FXB	500 kcmil G,H	—	1/2	1.73	2.95	0.26	5.09		—	—	U34RT (4)	Brown	20	3-1/16						
YA36TC58FXB	444 DLO		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	—	—	U38XRT (4)	Pink	L99	3-1/16							
YA38TC58FXB			5/8	1.84	3.08	0.27	5.32													
YA40TC58FXB	650 kcmil G 646 DLO	400	5/8	1.98	3.24	0.30	5.53	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U39RT (4)	Black	24	3-5/16						
YA44TC58FXB	750 kcmil G,H 777 DLO	500	5/8	2.18	3.33	0.32	5.71								—	—	U44XRT (4) •P44XRT (2)	Yellow	L115	3-7/16
YA46TC58FXB	1000 kcmil G, H 1111 DLO	—	5/8	2.69	3.58	0.39	6.19								—	—	**P45RT (4)	Yellow	29	3-11/16

\* Use PUADP1 adapter with U dies in 46 Series

• P-RT dies for 46 Series Tooling only

\*\* 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

▲ 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 ◆

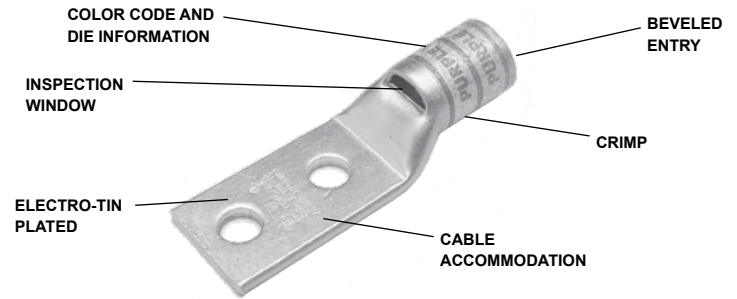
45° and 90° angles available. Please contact Customer Service to order:  
1-800-346-4175

### 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

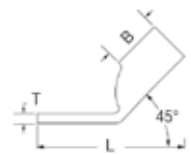


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

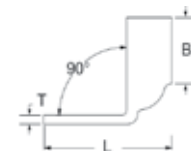
Straight



45°



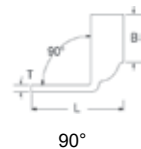
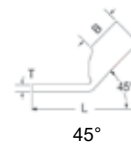
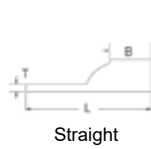
90°



# 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 <sup>2</sup> ***				(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	Y122CMR (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 MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor

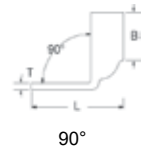
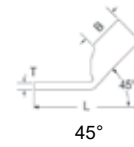
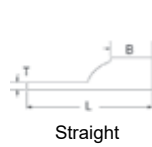
\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

▲ 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 <sup>2</sup> ***				(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 MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor

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

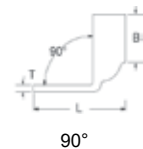
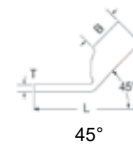
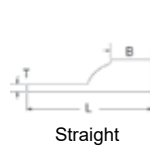
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

**Note:** All dimensions shown are for reference only.

# 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 <sup>2</sup> ***				(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	600 kcmil G,H,I,K, DLO	—	1/2	1-3/4	1.84	1.45	0.27	5.35	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U38RT (2)	Pink	400	1-1/2
YA39L2TC38E10FX			3/8	1-3/4	1.91	1.42	0.27	4.61							
YA39L2NTCFX	650 kcmil G, DLO 646	400	1/2	1-3/4	1.91	1.42	0.27	5.36	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U39RT (2)	Black	24	1-5/16
YA40L2TC38FX			3/8	1	1.98	1.42	0.30	4.38							
YA40L2NTCFX	750 kcmil G,H, DLO 777	500	1/2	1-1/4	1.98	1.42	0.30	5.38	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YA44L2TC38FX			3/8	1	2.19	1.65	0.33	4.74							
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 MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor

\*\*\* The MM<sup>2</sup> 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 ♦

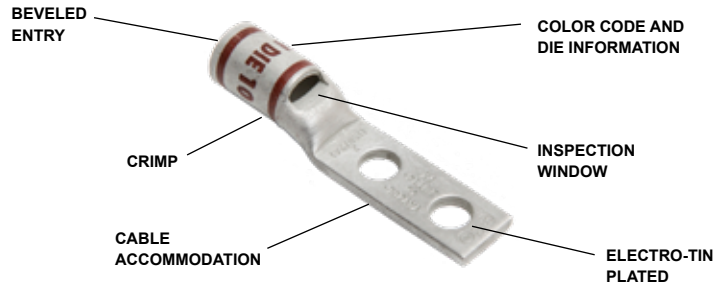
45° and 90° angles available. Please contact Customer Service to order:  
1-800-346-4175

### 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.

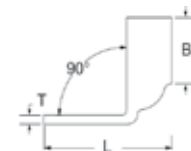
Straight



45°



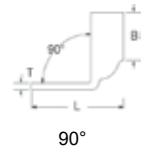
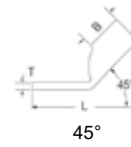
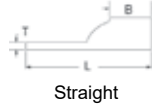
90°



# 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 <sup>2</sup> ***				(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)	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	Y122CMR (2) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)							
YAV4CL2NT14FX			1/4	.63"	0.45	0.50	0.09	2.08	444 Series (1)							
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)	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	Y122CMR (2) Y1MRTC (2) 81K Series (1) 644 Series (1) 444 Series (1)							
YAV2CL2NT14FX			1/4	.63"	0.48	0.63	0.10	2.26	444 Series (1)							
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)	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	644 Series (1) 444 Series (1) 81K Series (1)							
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)	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								644 Series (1) 444 Series (1) 81K Series (1)
YAV25L2NT516FX			5/16	1.00"	0.58	0.69	0.12	2.82								81K Series (1)
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)	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	644 Series (1) 444 Series (1) 81K Series (1)							
YAV26L2NT516FX			5/16	1.00"	0.58	0.81	0.13	2.99	81K Series (1)							
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)	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	644 Series (1) 444 Series (1) 81K Series (1)							
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

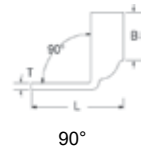
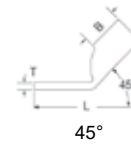
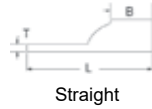
\*\*\* The MM<sup>2</sup> conductor sizes Listed are the recommendations for Class 5 conductor

▲ 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 <sup>2</sup> ***				(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	
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	644 Series (1) 444 Series (1) 81K Series (2)						
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 MM<sup>2</sup> 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 ♦

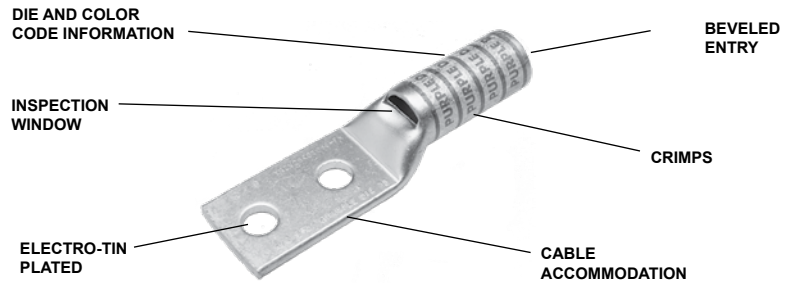
45° and 90° angles available. Please contact Customer Service to order:  
1-800-346-4175

### 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

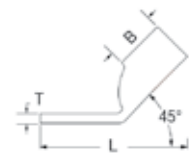


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

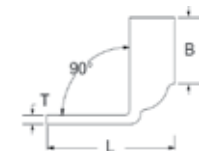
Straight



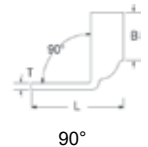
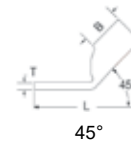
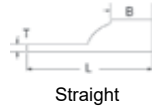
45°



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 <sup>2</sup> ***				(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) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (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 MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor

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

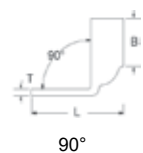
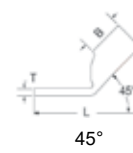
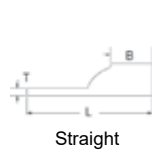
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

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 <sup>2</sup> ***				(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		3/8	1	1.14	1.62	0.15	3.96							
YAZV282NTCFX	G,H,I,K,M DLO (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		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 MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor

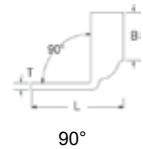
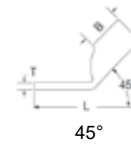
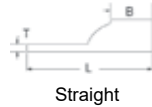
\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

▲ 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 <sup>2</sup> ***				(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 MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor

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

# Compression Connections

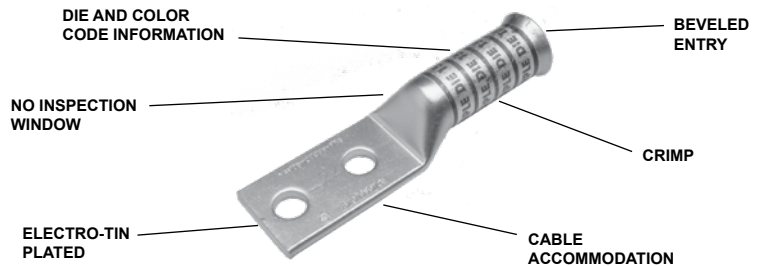
Copper Compression — Flex — Two Hole  
Belled End, Long Barrel — No Inspection Window

## 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

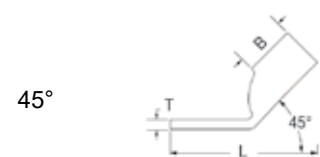
- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during insertion
- Long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



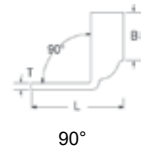
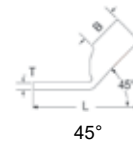
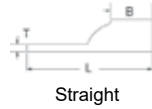
**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

### 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



## 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 <sup>2</sup> ***				(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA8C2TC14E2FXB	#8 AWG #8 Flex	**	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	**	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	G,H,I,K,M DLO	16	3/8	1"	0.58	1.22	0.06	3.32	MY29 Series (2) 81K Series (1)	W5CRT (2) X5CRT (2)	W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7	1-5/16
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	G,H,I,K,M DLO	—	5/16	1"	0.55	1.22	0.09	3.24	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W4CRT (2) X4CRT (2)	W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8	1-5/16
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	Y122CMR (4) Y1MRTC (4) MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-9/16
YA3C2TC516FXB	#3 AWG #3 Flex		5/16	1"	0.55	1.48	0.09	3.51							
YA3C2TC38FXB	G,H,I,K,M DLO	—	3/8	1"	0.58	1.48	0.09	3.64	MY29 Series (2) 644 Series (1) 444 Series (1) 81K Series (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-9/16
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	G,H,I,K,M DLO	35	1/4	5/8"	0.68	1.35	0.10	3.00	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
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	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
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)	50	3/8	1"	0.83	1.50	0.12	3.78	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
YAV262TC14E2FXB	2/0 AWG 2/0 Flex		1/4	3/4"	0.93	1.63	0.13	3.52							
YAV262TC14FXB	G,H,I,K,M DLO	70	1/4	5/8"	0.93	1.63	0.13	3.40	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
YAV262NTC38FXB	(325/24)		3/8	1-3/4"	0.93	1.63	0.13	4.71							
YAV262TC38FXB	(325/24)	70	3/8	1"	0.93	1.63	0.13	3.96	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
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 MM<sup>2</sup> conductor sizes referenced here are for both Class 2 and Class 5 conductors

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

‡ P-RT die sets for use in 46 Series only, PUADP1 adaptor not required

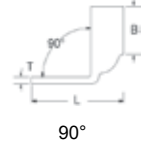
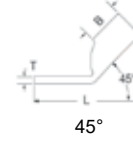
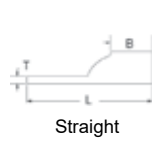
Note: All dimensions shown are for reference only.

▲ 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 <sup>2</sup> ***				(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							
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	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
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 MM<sup>2</sup> conductor sizes referenced here are for both Class 2 and Class 5 conductors

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

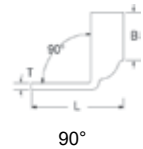
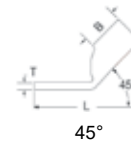
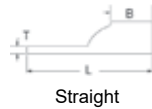
‡ P-RT die sets for use in 46 Series only, PUADP1 adapter not required

**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/ KCML	MM <sup>2</sup> ***				(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 DLO 646 (1600/24)	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	750 kcmil G,H	500	3/8	1"	2.19	3.33	0.33	6.44				U44XRT (4) •P44XRT (4)	Yellow	L115	3-7/16
YA442NFXB	DLO 777 (1925/24)	1/2	1-3/4"	2.19	3.33	0.33	7.44	—				—	—	—	—
YA462NFXB	1111 kcmil DLO (2750/24)	—	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 MM<sup>2</sup> conductor sizes referenced here are for both Class 2 and Class 5 conductors

\*\*\* The MM<sup>2</sup> 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 ♦

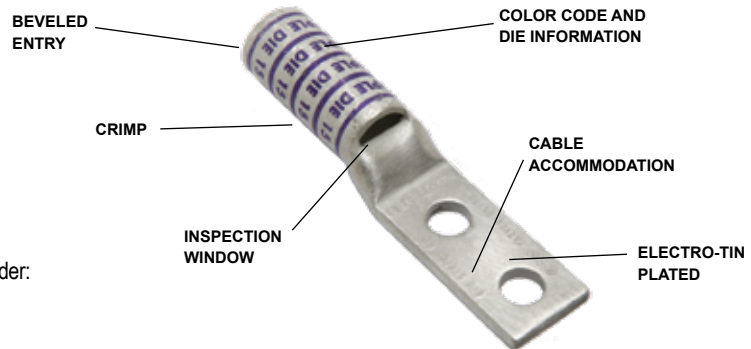
45° and 90° angles available. Please contact Customer Service to order:  
1-800-346-4175

### Features & Benefits

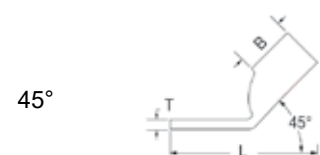
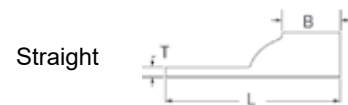
- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed to allow for more parallel terminations of wire in limited space applications
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth 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

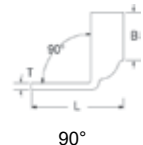
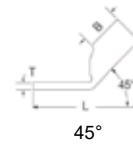
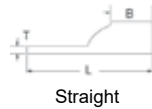
- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



**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.



## 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 <sup>2</sup>				(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 MM<sup>2</sup> 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.