

TYPES YA-L, YA-L-TC

HYLUG™

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

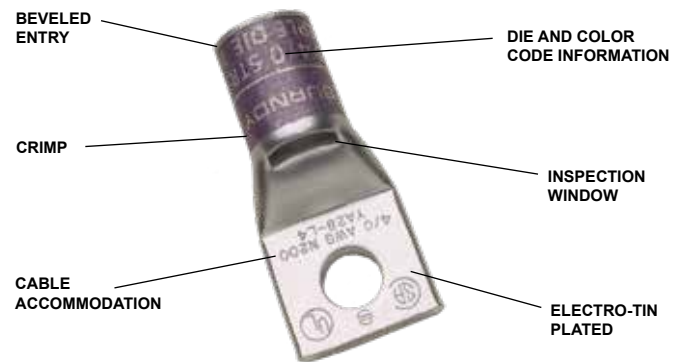
45° and 90° angles available. Please contact Customer Service to order:
1-800-346-4175

Features & Benefits

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

Accessories

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



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

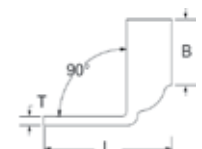
Straight



45°



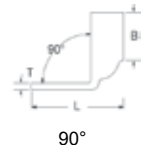
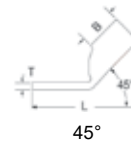
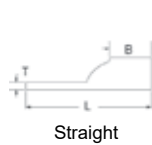
90°



Compression Connections

Copper Compression — Code — One Hole
Standard Barrel

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



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

* Use PUADP1 adapter with U dies in 46 Series

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

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

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

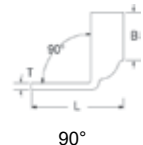
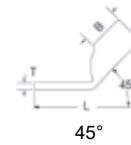
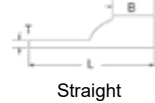
▲ See tooling section of this catalog for complete tool and die listings

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

Note: All dimensions shown are for reference only.

YAV10 Series feature rounded tongues and are not ink stamped

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



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

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

* Use PUADP1 adapter with U dies in 46 Series

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

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

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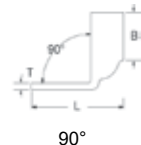
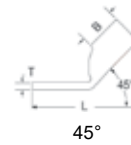
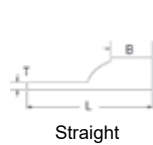
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

Compression Connections

Copper Compression — Code — One Hole
Standard Barrel

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



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

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length	
	AWG	MM² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index		
YA30L1	300 kcmil	152 150	5/16	1.20	1.03	0.16	2.31	644 Series (1) 444 Series (1) 81K Series (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2) U28ART (2)	White	17	1-1/16	
YA30L24			3/8	1.20	1.03	0.16	2.44								
YA30L			1/2	1.20	1.03	0.16	2.69								
YA30LN			1/2	1.20	1.03	0.16	2.87							1	
YA30L7			5/8	1.20	1.03	0.16	2.94								
YA30L28			3/4	1.20	1.03	0.16	3.12								
YA30L27			7/8	1.20	1.03	0.16	3.37							1-1/16	
YA31L11	350 kcmil	177 185	3/8	1.29	1.06	0.18	2.50		W31VT (2)	W31VT (2) W31RT (2)	U31RT (2) U29ART (2)	Red	18		1-1/8
YA31L			1/2	1.29	1.06	0.18	2.75								
YA31L7			5/8	1.29	1.06	0.18	3.00								
YA31L36			7/8	1.29	1.06	0.18	4.02								
YA32L14	400 kcmil	203	3/8	1.40	1.19	0.19	2.68		W32VT (2)	W32VT (2) W32RT (2)	U32RT (2) U30ART (2)	Blue	19	1-1/4	
YA32LN			1/2	1.40	1.19	0.19	3.12								
YA32L1			1/2	1.40	1.19	0.19	2.93								
YA32L			5/8	1.40	1.19	0.19	3.18								
YA32LTC78			7/8	1.40	1.19	0.19	3.62								
YA33L	450 kcmil	—	5/8	1.48	1.50	0.21	3.57	W33VT (2)	W33VT (2) W33RT (2)	U33RT (2)	Gray	326	1-9/16		
YA34L37	500 kcmil	253 240	3/8	1.55	1.27	0.23	2.87	644 Series (1) 444 Series (1) 81K Series (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2) U31ART (1)	Brown	20	1-7/16	
YA34L6			1/2	1.55	1.27	0.23	3.12								
YA34L			5/8	1.55	1.27	0.23	3.37								
YA34L8			3/4	1.55	1.27	0.23	3.55								
YA34L9			7/8	1.55	1.27	0.23	3.80								
YA34L20			1	1.55	1.27	0.23	4.05								
YA36L11	600 kcmil	304 300	1/2	1.74	1.38	0.27	3.29	644 Series (1) 444 Series (1) 81K Series (2)	—	—	U36RT (2)	Green	22 or 472	1-3/4	
YA36L			5/8	1.74	1.38	0.27	3.54								
YA36LTC78			7/8	1.74	1.38	0.27	3.97								

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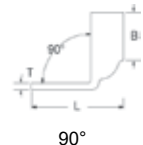
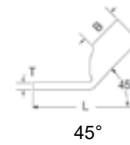
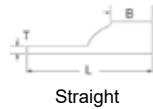
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	AWG	MM² ***			(B)	(T)	(L)	Dieless (# of crimps)	MD6, OUR840, MD734R	500 Series	35, 750, 46* Series	Color Code	Die Index	
YA37L	650 kcmil	—	5/8	1.80	1.39	0.27	3.57	644 Series (1) 444 Series (1) 81K Series (3)	—	—	U37RT (2)	Orange	23	1-15/16
YA37L1			3/4	1.80	1.39	0.27	3.76		—	—	U38RT (2)	Pink	400	1-15/16
YA38L	700 kcmil	355	5/8	1.84	1.45	0.27	3.66		—	—	U38RT (2)	Pink	400	1-15/16
YA39L6	750 kcmil	380	1/2	1.91	1.42	0.27	3.41		—	—	U39RT (2) P39RT (2)**	Black	24	1-15/16
YA39L			5/8	1.91	1.42	0.27	3.57							
YA39L2			7/8	1.91	1.42	0.27	4.10							
YA39L9			1-1/4	1.91	1.42	0.27	4.85							
YA40L	800 kcmil	405 400	5/8	1.98	1.42	0.30	3.81	644 Series (1) 444 Series (1) 81K Series (3)	—	—	P40RT (3) **	Orange	25	1-15/16
YA41L	850 kcmil	—	5/8	2.01	1.88	0.31	4.15		—	—	P41D *(1) P44PR**	Gold	26	1-15/16
YA44L2	1000 kcmil	507 500	1/2	2.19	1.65	0.33	3.98		—	—	P44RT (3)**	White	27	1-15/16
YA44L			5/8	2.19	1.65	0.33	4.04							
YA44L23			1	2.19	1.65	0.33	4.73							
YA45L	1250 kcmil	633	3/4	2.46	2.00	0.38	4.68	—	—	—	P45RT (3)**	Yellow	29	2-1/16
YA453LBOX	1300 kcmil	—	3/4	2.53	2.00	0.39	4.71	—	—	—	-	Orange	30	2-1/16
YA46L	1500 kcmil	760	3/4	2.69	2.00	0.40	4.78	—	—	—	P46RT (3)**	Green	31	2-1/16
YA48L	2000 kcmil	1010 1000	3/4	3.10	2.25	0.46	5.19	—	—	—	-	Brown	34	2-3/8

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