

Compression Connections

Aluminum Compression — Tin Plated — For Aluminum & Copper Conductors

BURNDY®

TYPES YA-A AND YA-A-TN

HYLUG™

UNINSULATED ALUMINUM COMPRESSION TERMINAL

FOR ALUMINUM AND COPPER CONDUCTORS

1-HOLE DESIGN

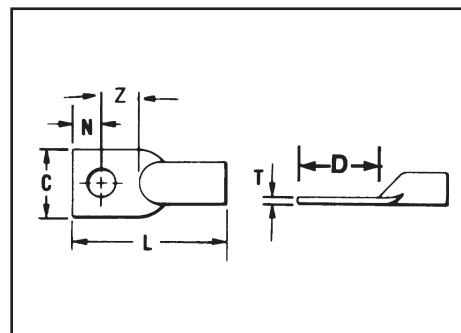
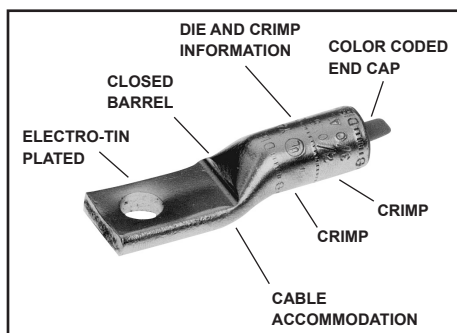
UL Listed 90° C,
600 Volts to 35 kV ♦

Type YA-A aluminum tin-plated compression HYLUG™ terminals are dual-rated and designed for use on both aluminum and copper conductors from #12 sol. through 2000 kcmil.

They are designed for heavy duty applications to 35kV. YA-A terminals are prefilled with PENETROX™, and assembled with color-coded end caps. Available with one, two, and four-hole NEMA tongues the aluminum HYLUG™ terminals are designed for a permanent trouble-free electrical termination.



AL9CU



Features & Benefits

- Manufactured from high conductivity, wrought aluminum with heavy duty wall thickness
 - ◊ Provides maximum conductivity, low resistance and ductility for an excellent combination of electrical and crimp forming properties
- Electro-tin plated
 - ◊ Provides durable long lasting corrosion resistance
- Internally beveled barrel
 - ◊ Provides easy cable insertion
- Meets UL486B 90° C requirements
 - ◊ Provides a quality electrical dual connection
- Connector is clearly marked with wire size, die index, color-code and the proper number and location of crimps
 - ◊ Provides easy identification and tooling recommendation for a proper compression which forms a homogeneous mass resulting in an excellent electrical connection
- Factory prefilled with PENETROX™ oxide inhibiting compound
 - ◊ Oxide inhibiting compound contains homogeneously suspended metallic particles to penetrate the wires' oxides, establish electrical continuity and forms an airtight connection
- Color-coded end caps inserted in barrel end
 - ◊ Prevents foreign materials from entering and contaminating the connector prior to usage plus identifies the proper color-coded die for a reliable connection

Catalog Number	Code Conductor *	Stud Size	No. of Holes in Pad	Dimensions						Installation Tooling ▲					Wire Strip Length
				C	D	L	N	T	Z	Dieless (# of crimps)		Y35, Y39, Y750, Y46*	▲ Die Index		
										Mechanical Tooling	Hydraulic HYPRESS™			Die Number (# of crimps)	
YA12A-TN ⚡	12 Str.	#10	1	0.41	0.50	1.19	0.20	0.07	0.30	MR8-27 (1)	—	—	①	—	5/8"
YA10A-TN ⚡	10 Str.	#10	1	0.41	0.50	1.22	0.20	0.06	0.30						
YA8CA1	8 AWG	#10	1	0.53	0.60	1.50	0.20	0.09	0.40	MY29-3 (1) MRC840AL (1)	Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	U8CABT (1)	Blue	374	5/8"
YA8CA3		1/4	1	0.53	0.75	1.65	0.25	0.09	0.50						
YA6CA1	6 AWG	1/4	1	0.47	0.75	1.84	0.33	0.14	0.42	MY29-3 (1) MRC840AL (1)	MY644M (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	U6CABT (1)	Gray	346	3/4"
YA6CA3		3/8	1	0.65	1.19	2.28	0.44	0.09	0.75						
YA4CA1	4AWG	1/4	1	0.47	0.75	2.13	0.33	0.18	0.42	MY29-3 (1) MRC840AL (1)	Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1) Y644HSXT (1)	U4CABT (1)	Green	375	7/8"
YA4CA3		5/16	1	0.80	0.87	2.25	0.41	0.12	0.46						
YA4CA6		3/8	1	0.80	0.94	2.32	0.44	0.12	0.50						

‡ Contact BURNDY® for conductor, stud sizes and hole drillings not shown.

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

① No color code assigned.

‡ UL Listed for Aluminum only.

* Use PUADP-1 adaptor with U dies in Y46 Hypress™.

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

Note: All dimensions shown are for reference only.

Blue highlighted items are industry standard and most frequently ordered.

Canada: 1-800-387-6487

www.burndy.com

US: 1-800-346-4175

Compression Connections

Aluminum Compression — Tin Plated — For Aluminum & Copper Conductors

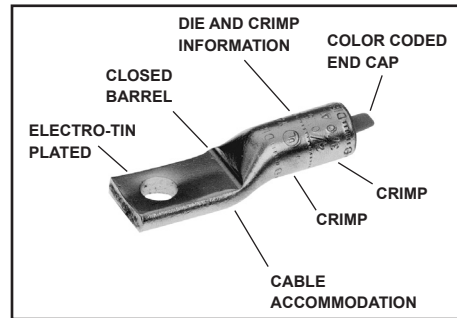
BURNDY®

TYPES YA-A AND YA-A-TN

HYLUG™

UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS

1-HOLE DESIGN



UL Listed 90° C,
600 Volts to 35 kV ♦

Catalog Number	Code Conductor •	Stud Size	No. of Holes in Pad	Dimensions						Installation Tooling ▲					Wire Strip Length																																								
				C	D	L	N	T	Z	Dieless (# of crimps)		Y35, Y39, Y750, Y46*	▲ Die Index																																										
										Mechanical Tooling	Hydraulic HYPRESS™			Die Number (# of crimps)		Color Code																																							
YA2CA5	2AWG	1/4	1	0.50	0.75	2.25	0.33	0.22	0.42	MY29-3 (1) MRC840AL (1)	Y81KFT (2) Y81KFTMBH (2) Y644HSXT (1) PAT81KFT-18V (2)	U2CABT (1)	Pink	348	1-1/8"																																								
YA2CA1		5/16	1	0.88	0.88	2.50	0.41	0.16	0.47			U1CART (1)	Gold	471	15/16"																																								
YA2CA3		3/8	1	0.88	0.94	2.56	0.44	0.16	0.50			U25ART (1)	Tan	296	1-1/16"																																								
YA1CA1	1 AWG	3/8	1	0.76	1.19	2.59	0.44	0.19	0.75			MY29-3 (2) MRC840AL (2)	U26ART (2)	Olive	297	1-3/8"																																							
YA25A1	1/0	5/16	1	0.60	0.87	2.31	0.41	0.21	0.46					U27ART (2)	Ruby	467	1-1/2"																																						
YA25A3		3/8	1	0.82	1.18	2.67	0.63	0.21	0.55					U28ART (2)	White	298	1-5/8"																																						
YA25A9		1/2	1	1.03	1.34	2.83	0.63	0.17	0.71					U29ART (2)	Red	324	1-5/8"																																						
YA26A6	2/0 AWG	3/8	1	0.67	1.89	2.79	0.44	0.24	0.74	—	U30ART (2)			Blue	470	1-3/4"																																							
YA26A1		1/2	1	1.03	1.36	3.03	0.63	0.20	0.73					YA31A1	350 kcmil	1/2	1	1.52	1.37	4.33	0.63	0.39	0.74	—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"																										
YA27A1	3/0 AWG	3/8	1	0.73	1.18	2.88	0.44	0.26	0.74																					—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"																				
YA27A3		1/2	1	1.04	1.37	3.27	0.63	0.26	0.74			—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)																							U31ART (2)	Brown	299	2-1/8"																
YA28A1	4/0 AWG	3/8	1	1.17	1.18	3.26	0.44	0.30	0.74																															—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"										
YA28A3		1/2	1	1.17	1.36	3.44	0.63	0.30	0.73																																					—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"				
YA29A1	250 kcmil	1/2	1	1.26	1.36	3.53	0.63	0.33	0.73	—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)																																									U31ART (2)	Brown	299	2-1/8"
YA30A6	300 kcmil	3/8	1	1.38	1.37	3.90	0.63	0.36	0.74																																														
YA30A1		1/2	1	1.38	1.37	3.90	0.63	0.36	0.74					—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"																																				
YA31A1	350 kcmil	1/2	1	1.52	1.37	4.33	0.63	0.39	0.74											—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"																														
YA32A1	400 kcmil	5/8	1	1.62	1.88	4.92	0.88	0.43	1.00			—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)													U31ART (2)	Brown	299	2-1/8"																										
YA32A3		1/2	2	1.62	3.11	6.15	0.63	0.43	0.73																					—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"																				
YA34A1	500 kcmil	5/8	1	1.80	1.91	5.56	0.88	0.46	1.03																											—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"														
YA36A1	600 kcmil	5/8	1	1.97	1.88	5.82	0.88	0.52	1.00	—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)																															U31ART (2)	Brown	299	2-1/8"										
YA39A1	700-750 kcmil	1/2	1	2.05	1.34	5.26	0.63	0.43	0.71																																					—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"				
YA39A3	900 Compact AL*	5/8	1	2.05	1.88	5.80	0.88	0.43	1.00					—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"																																				
YA42A1	900 kcmil AL	1/2	1	2.14	1.36	5.32	0.63	0.39	0.71											—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"																														
YA42A3	600 kcmil CU	5/8	1	2.14	1.36	5.32	0.63	0.39	1.00			—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)													U31ART (2)	Brown	299	2-1/8"																										
YA44A1	1000 kcmil	5/8	1	2.50	1.89	6.50	0.88	0.66	1.01																					—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"																				

• Contact BURNDY® for conductor, stud sizes and hole drillings not shown.

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

* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™.

** P44ART for use with Y46 HYPRESS™ only. PUADP-1 adaptor not required.

+ Tested with Y644HSXT and PAT644 dieless tools only and not UL Listed with any tool on 900 Compact AL.

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

▲ U die for 900 AL only

Note: All dimensions shown are for reference only.

Blue highlighted items are industry standard and most frequently ordered.

Canada: 1-800-387-6487

www.burndy.com

US: 1-800-346-4175