

TYPE YA-A

HYLUG™

UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS

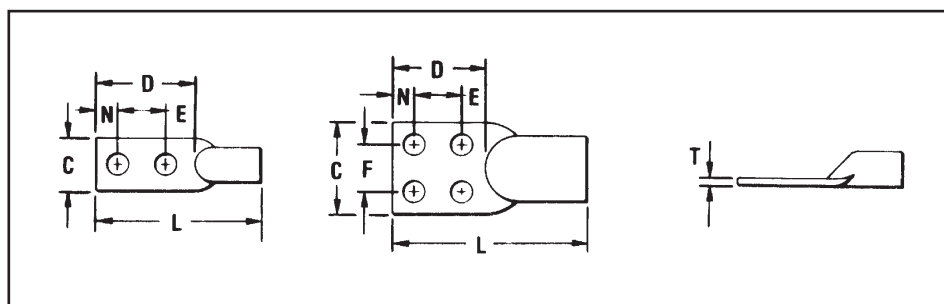
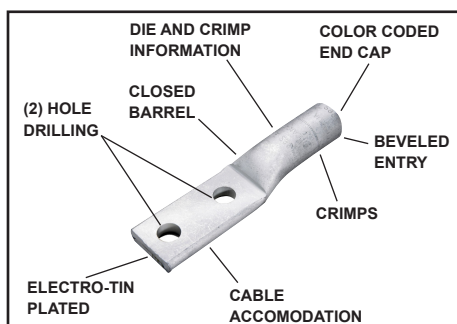
2-HOLE AND 4-HOLE DESIGNS

UL Listed 90° C,
600 Volts to 35 kV ♦

Type YA-A 2- and 4-hole pads inhibit connector rotation and increase area contact. These aluminum terminals have the same design features and benefits as the 1-hole YA-A with an added stud hole for a more secure termination to various types of equipment pads. They are dual-rated for use on both aluminum and copper conductors.



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

Y644HSXT DIELESS HYPRESS™ RANGE-TAKING CAPABILITIES

The following size HYDENT™ lugs and two way splices, when crimped with the Y644HSXT DIELESS HYPRESS™ tool, produce the following range taking capabilities:

Aluminum Connectors					
Standard Wire Size	Expanded Wire Range	Standard Wire Size	Expanded Wire Range	Standard Wire Size	Expanded Wire Range
#6 AWG	#6 AWG	1/0 AWG	1/0 - #1 AWG	250 kcmil	250 kcmil - 1/0 AWG
#4 AWG	#4 - #6 AWG	2/0 AWG	2/0 - #1 AWG	300 kcmil	300 kcmil - 2/0 AWG
#2 AWG	#2 - #6 AWG	3/0 AWG	3/0 - #1 AWG	350 kcmil	350 kcmil - 3/0 AWG
#1 AWG	#1 - #2 AWG	4/0 AWG	4/0 - #1 AWG	400 kcmil	400 kcmil - 4/0 AWG
				500 kcmil	500 kcmil - 4/0 AWG
				600 kcmil	600 - 250 kcmil
				750 kcmil	750 - 500 kcmil

Blue highlighted items are industry standard and most frequently ordered.

Compression Connections

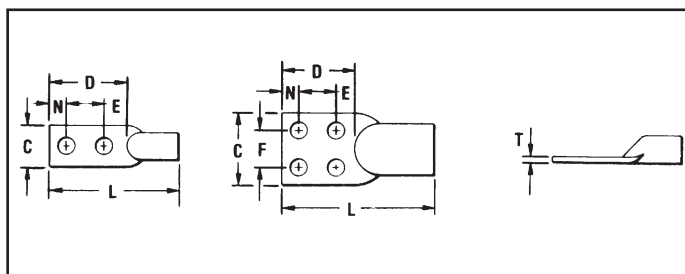
Aluminum Compression — Tin Plated — For Aluminum & Copper Conductors

BURNDY®

TYPE YA-A

HYLUG™

**UNINSULATED ALUMINUM
COMPRESSION TERMINAL
FOR ALUMINUM AND
COPPER CONDUCTORS**



2-HOLE AND 4-HOLE DESIGNS

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	E & F	L	N	T REF.	Z MIN.	Dieless (# of crimps)		Y35, Y39, Y750, Y46*		▲ Die Index			
											Mechanical Tooling	Hydraulic HYPRESS	Die Number (# of crimps)	Color Code				
YA2CA9	2 str.	1/2	2	0.88	3.11	1.75	4.73	0.63	0.16	0.73	MY29-3 (1)	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	U2CABT (1)	Pink	348	1-1/8"		
YA25A5	1/0 str.	3/8	2	0.82	2.24	1.06	3.73	0.63	0.21	0.55	MY29-3 (1)	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U25ART (1)	Tan	296	1-1/16"		
YA25A7		1/2		1.03	3.10	1.75	4.59		0.17	0.72			U26ART (2)	Olive	297	1-3/8"		
YA26A3	2/0 str.	1/2		1.03	3.11	1.75	4.78	0.63	0.20	0.73	MY29-3 (2)		U27ART (2)	Ruby	467	1-1/2"		
YA26A5		3/8		0.92	1.89	1.00	3.56	0.44	0.24	0.45			U28ART (2)	White	298	1-5/8"		
YA27A5	3/0 str.	1/2		1.04	3.12	1.75	3.02	0.63	0.26	0.74	—		U29ART (2)	Red	324	1-5/8"		
YA27A7		3/8			1.89	1.00	3.79	0.44		0.45			U30ART (2)	Blue	470	1-3/4"		
YA28A5	4/0 str.	1/2		1.17	3.11	1.75	5.19	0.63	0.30	0.73	—		U31ART (2)	Brown	299	2-1/8"		
YA28A7		3/8			1.89	1.00	3.97	0.44		0.45			U32ART (4)	Green	472	2"		
YA29A3	250 kcmil	1/2		1.26	3.11	1.75	5.28	0.63	0.33	0.73	—		U33ART (2)	Red	324	1-5/8"		
YA29A5		3/8			1.89	1.00	4.06	0.44		0.45			U34ART (4)	Pink	300	2-5/8"		
YA30A3	300 kcmil	1/2	1.38	3.11	1.75	5.64	0.63	0.36	0.73	—	U35ART (2)	Yellow	936	2-7/8"				
YA30A5		3/8		1.89	1.00	4.42	0.44		0.45		P39ART** (4)	Red	301	2-7/8"				
YA31A5	350 kcmil	3/8	1.52	1.89	1.00	4.85	0.44	0.39	0.45	—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"			
YA31A3		1/2		3.11	1.75	6.07	0.63		0.73		U32ART (4)	Green	472	2"				
YA32A5	400 kcmil	3/8	1.62	1.89	1.00	4.93	0.44	0.43	0.45	—	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U32ART (4)	Green	472	2"			
YA32A3		1/2		3.11	1.75	6.15	0.63		0.73			U33ART (2)	Red	324	1-5/8"			
YA34A3	500 kcmil		3/8	3.15		6.80		0.46	0.77	U34ART (4)		Pink	300	2-5/8"				
YA34A5		600 kcmil	3/8	1.80	1.89	1.00	5.54	0.44	0.45	U35ART (2)		Yellow	936	2-7/8"				
YA36A3	600 kcmil		1/2	1.62	3.15	1.75	7.09	0.63	0.52	0.77		U36ART (4)	Black	473	2-7/8"			
YA36A5		900 Compact AL +	3/8	1.97	1.89	1.00	5.64	0.69	0.43	0.45		U39ART-2 (4)	Yellow	936	2-7/8"			
YA39A5	700/750 kcmil		1/2	1.62	3.15	1.75	7.07	0.63	0.43	0.77		—	U39ART-2 (4)	Yellow	936	2-7/8"		
YA39A7		900 Compact AL +	3/8	2.05	1.89	1.00	5.81	0.44	0.45	P39ART** (4)			Red	301	2-7/8"			
YA39AM2	900 Compact AL +		1/2	1.69	3.12	1.75	7.31	0.63	0.57	0.74		—	Y644HSXT (2) Y644MBH (2) PAT644XT-18V (2)	U42ART (4)^	Gray	303	2-7/8"	
YA42A5	900 kcmil AL	1/2	2	1.62	3.13	1.75	7.09	0.63	0.39	0.77		—	Y644HSXT (2) Y644MBH (2) PAT644XT-18V (2)	U42ART (4)^	Gray	303	2-7/8"	
YA42A7	600 kcmil Cu	3/8		1.62	2.00	1.00	5.96	0.44		0.45	U42ART (4)^			Gray	303	2-7/8"		
YA44A3	1000 kcmil	1/2	2	1.65	3.15	1.75	7.76	0.63	0.55	0.77	—	—	P44ART** (4)	Brown	302	3"		
YA45A5^^	1250 kcmil			2.59	3.12		7.73		0.51	0.74			—	—	L46ART (2) ‡	Blue	478	2-3/4"
YA46A3^^	1500 kcmil		4	3.08	3.15		8.73		0.81	0.77					L48ART (2) ‡	Red	479	4-1/8"
YA46A5^^				3.08	3.15		8.73		0.81	0.77					L48ART (2) ‡	Red	479	4-1/8"
YA48A3^^	2000 kcmil		2	3.57	3.11		8.49		0.90	0.73					—	—	—	—

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

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

‡ Use Y60 BHU HYPRESS™ with L46ART and L48ART die sets.

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

** P39ART and P44ART die sets 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

^^ 75° C Rated

Note: All dimensions shown are for reference only.

Canada: 1-800-387-6487

www.burndy.com

US: 1-800-346-4175