

TYPE YA-A

HYLUG™

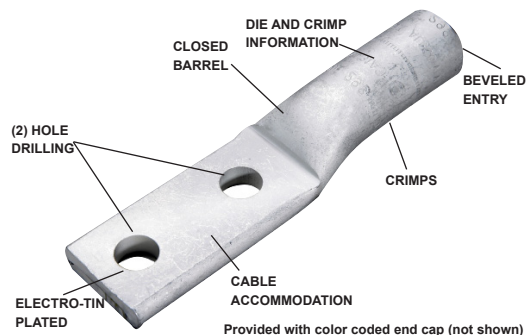
C-202

UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS

2-HOLE AND 4-HOLE DESIGNS

UL Listed 90° C, Up to 35 kV ♦

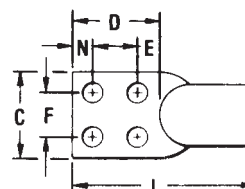
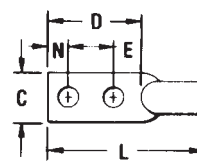
Type YA-A 2- and 4-hole pads inhibit connector rotation and increase area contact. These aluminum terminals have the same design features and benefits as the 1-hole YA-A with an added stud hole for a more secure termination to various types of equipment pads. They are dual-rated for use on both aluminum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



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.

Features & Benefits

- Aluminum terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector
 - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
 - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- 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
- 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 wire size, die index, color code, and crimp locations bands
- Factory pre-filled with PENETROX™ A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code; prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection



Y644HSXT DIELESS HYPRESS™ RANGE-TAKING CAPABILITIES

The following size HYDENT™ lugs and two way splices, when crimped with the Y / PAT644 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

Compression Connections

BURNDY®

Aluminum Compression — Tin Plated — For Aluminum & Copper Conductors

TYPE YA-A

HYLUG™

C-204

UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS

2-HOLE AND 4-HOLE DESIGNS

UL Listed 90° C, 600 Volts to 35 kV ♦

(Continued)



AL9CU



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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*			
											Mech. Tooling	Hydraulic HYPRESS	Die Number (# of crimps)	Color Code	▲ Die Index	
YA39A7	700 - 750 kcmil	3/8	2	2.05	1.89	1.00	5.81	0.44	0.43	0.45	—	Y / PAT644 (1) Y / PAT81KFT (4)	U39ART-2 (4)	Yellow	936	2 7/8
YA39A5	+900 kcmil	1/2	2	1.62	3.15	1.75	7.07	0.63	0.43	0.77			P39ART** (4)	Red	301	2 7/8
YA39AM2	Class B Compact Only 600 kcmil CCA DLO (925/22)	1/2	2	1.69	3.12	1.75	7.31	0.63	0.57	0.74	—	—	P39ART** (4)	Red	301	2 7/8
YA42A7	900 kcmil AL	3/8	2	2.14	3.13	1.00	5.96	0.44	0.39	0.45	—	Y / PAT644 (2)	U42ART (4) [^]	Gray	303	2 7/8
YA42A5	600 kcmil Cu	1/2	2	1.62	3.13	1.75	7.09	0.63	0.39	0.77			P44ART** (4)	Brown	302	3
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 900 kcmil CCA DLO (1406/22) 1000 kcmil CCA DLO (1554/22)	1/2	2	2.59	3.12	1.75	7.73	0.63	0.51	0.74	—	—	P44ART** (4)	Brown	302	3
YA46A3	^{^^} 1500 kcmil	1/2	2	3.08	3.15	1.75	8.73	0.63	0.81	0.77	—	—	L46ART (2)	Blue	478	2 3/4
YA46A5		1/2	4	3.08	3.15	1.75	8.73	0.63	0.81	0.77			L48ART (2)	Red	479	4 1/8
YA48A3	^{^^} 2000 kcmil	1/2	2	3.57	3.11	1.75	8.49	0.63	0.90	0.73	—	—	L48ART (2)	Red	479	4 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 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 adapter 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.