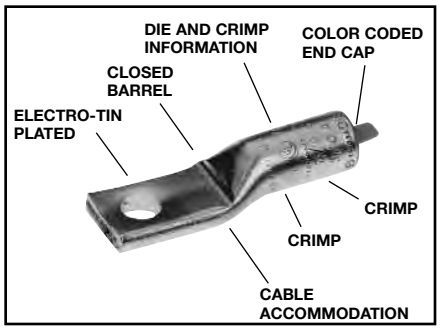
TYPES YA-A AND YA-A-TN

(Continued)

HYLUG™

UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS

1-HOLE DESIGN



AL9CU

UL Listed 90° C,
600 Volts to 35 kV◆

Catalog Number	Code Conductor	Stud Size	No. of Holes in Pad	Dimensions C	D	L	N	T REF.	Z Min.	Installation Tooling ▲ Dieless (# of crimps) Mechanical Tooling	Hydraulic HYPRESS™	Y35, Y39, Y750, Y46* Die Number (# of crimps)	Color Code	▲ Die Index	Wire Strip Length
YA4CA1	4 str.	1/4	1	.47	.75	2.13	.33	.18	.42	MY29-3 (1) MRC840AL (1)	Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1) Y644HS (1)	U4CABT (1)	Green	375	7/8″
YA4CA3		5/16		.80	.87	2.25	.41	.12	.46						
YA4CA6		3/8		.80	.94	2.32	.44	.12	.50						
YA2CA5	2 str.	1/4	1	.50	.91	2.25	.32	.22	.43	MY29-3 (1) MRC840AL (1)	Y81KFT (2) Y81KFTMBH (2) Y644HS (1) PAT81KFT-18V (2)	U2CABT (1)	Pink	348	1-1/8″
YA2CA1		5/16		.88	1.03	2.50	.41	.16	.47						
YA2CA3		3/8		.88	1.03	2.56	.44	.16	.50						
YA1CA1	1 str.	3/8	1	.76	1.19	2.59	.44	.19	.75			U1CART (1)	Gold	471	15/16″
YA25A1	1/0 str.	5/16	1	.60	.87	2.31	.41	.21	.46			U25ART (1)	Tan	296	1-1/16″
YA25A3		3/8		.82	1.18	2.67	.63	.21	.55						
YA25A9		1/2		1.03	1.34	2.67	.63	.17	.71						
YA26A6	2/0 str.	3/8	1	.67	1.18	2.79	.44	.24	.74	MY29-3 (2) MRC840AL (2)		U26ART (2)	Olive	297	1-3/8″
YA26A1		1/2		1.03	1.36	3.03	.63	.20	.73						
YA27A1	3/0 str.	3/8	1	.73	1.18	2.88	.44	.26	.74			U27ART (2)	Ruby	467	1-1/2″
YA27A3		1/2		1.04	1.37	3.27	.63	.26	.74						
YA28A1	4/0 str.	3/8	1	1.17	1.18	3.26	.44	.30	.74			U28ART (2)	White	298	1-5/8″
YA28A3		1/2		1.17	1.36	3.44	.63	.30	.73						
YA29A1	250 kcmil	1/2	1	1.26	1.36	3.53	.63	.33	.73	—		U29ART (2)	Red	324	1-5/8″
YA30A6	300 kcmil	3/8	1	1.38	1.37	3.90	.63	.36	.74			U30ART (2)	Blue	470	1-3/4″
YA30A1		1/2		1.38	1.37	3.90	.63	.36	.74						
YA31A1	350 kcmil	1/2	1	1.52	1.37	4.33	.63	.39	.74	—	Y644HS (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	.88	.43	1.00	—	Y644HS (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U32ART (4)	Green	472	2-1/2″
YA34A1	500 kcmil	5/8	1	1.80	1.91	5.56	.88	.46	1.03			U34ART (4)	Pink	300	2-5/8″
YA36A1	600 kcmil	5/8	1	1.97	1.88	5.82	.88	.52	1.00			U36ART (4)	Black	473	2-7/8″
YA39A1	700/750 kcmil	1/2	1	2.05	1.34	5.26	.63	.43	.71			U39ART-2 (4)	Yellow	936	2-7/8″
YA39A3	900 Compact AL +	5/8		2.05	1.88	5.80	.88	.43	1.00						
YA44A1	1000 kcmil	5/8	1	2.50	1.89	6.50	.88	.43	1.01	—		P44ART** (4)	Brown	302	3″

- 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 adapter not required.
- \+ Tested with Y644HS 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.

Note: All dimensions shown are for reference only.

Y644HS DIELESS HYPRESS™ RANGE-TAKING CAPABILITIES

The following size HYDENT™ lugs and two way splices, when crimped with the Y644HS 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