

**TYPES YBA-KIT,
YA-KIT, YBAFX-KIT,
YAFX-KIT**

**Copper and Aluminum
Turbine Lug Kits**

UL Listed 90°C,
600 Volts to 35 kV

Aiding in the staging and flow of material on a project, the BURNDY® Turbine Lug Kits are designed to meet the termination requirements for the standard 1.5 MW wind turbine, improving overall project efficiency. Each lug kit contains UL Listed and CSA Certified copper or aluminum lugs. Kits include the required number of lugs needed to terminate aluminum or copper conductors on the low voltage side of a base transformer or the down tower switchgear. There are four individual kits, two for aluminum, two for copper, they are all custom designed to handle any termination requirements.



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Features & Benefits

- **YA44A3** (1000 kcmil aluminum) HYLUG™, 2-hole, narrow tongue aluminum compression terminal that is dual rated for both copper and aluminum
- **YBA44A** (1000 kcmil, 1000 compact aluminum) Break-Away HYLUG™, 2-hole narrow tongue aluminum compression terminal that is dual rated for both copper and aluminum. The break-away feature allows for field modification of the terminal from a 2-hole to a 1-hole terminal and still retain UL Listing and CSA Certification
- **YAZ442NNTFX** (777.7 Flex, 1925/24 str., 750 kcmil copper) HYLUG™, 2-hole narrow tongue copper compression terminal that accommodates flex and AWG conductor
- **YBA44FX** (777.7 Flex, 1925/24 str. [750 kcmil] nom. copper) Break-Away HYLUG™,

- 2-hole, narrow tongue copper compression terminal that accepts a wide range of conductor combinations (AWG, compact, DLO, flex, metric). The Break-Away feature allows field modification of the terminal from a 2-hole to 1-hole terminal and still retain UL Listing and CSA Certification
- Both aluminum and copper low voltage turbine lug kits include **YA29-2N** (250 kcmil, copper, 2-hole) lugs for terminating grounding conductor
- Aluminum kits are shipped with squeeze packets of PENETROX™ oxide inhibitor for terminating aluminum conductor

Copper Kits

Catalog Number	Includes:
YBAFX15CLKIT	15 pcs YBA44FX (777.7 Flex Cu 2-hole NEMA lug); 3 pcs YA29-2N (250 kcmil Cu 2-hole NEMA lug)
YAFX15CLKIT	15 pcs YAZ442NNTFX (777.7 Flex Cu 2-hole NEMA lug); 3 pcs YA29-2N (250 kcmil Cu 2-hole NEMA lug)

Aluminum Kits

Catalog Number	Includes:
YBA15ALKIT	15 pcs YBA44A (1000 Al 2-hole NEMA lug); 3 pcs YA29-2N (250 kcmil Cu 2-hole NEMA lug); 1 squeeze tube (1/2 oz) of PENETROX™ oxide inhibitor
YA15ALKIT	15 pcs YA44A3 (1000 Al 2-hole NEMA lug); 3 pcs YA29-2N (250 kcmil Cu 2-hole NEMA lug); 1 squeeze tube (1/2 oz) of PENETROX™ oxide inhibitor



Heat shrink and mounting hardware sold separately.

Blue highlighted items are industry standard and most frequently ordered.

Compression Connections

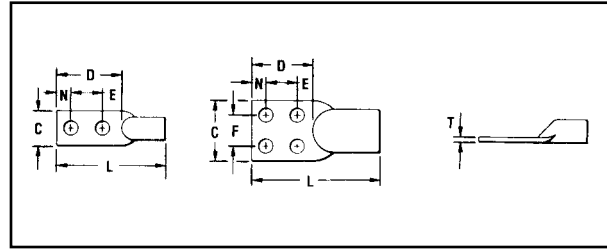
BURNDY®

Aluminum Compression — Tin Plated — For Aluminum & Copper Conductors

TYPE YA-A

HYLUG™

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



UL Listed 90° C,
600 Volts to 35 kV ◆



C-146

2-HOLE AND 4-HOLE DESIGNS

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)	
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	0.63	0.17	0.72			296	1-1/16"		
YA26A3	2/0 str.	1/2	2	1.03	3.11	1.75	4.78	0.63	0.20	0.73	MY29-3 (2)	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U26ART (2)	Olive	297	1-3/8"
YA26A5		3/8		0.92	1.89	1.00	3.56	0.44	0.24	0.45			297	1-3/8"		
YA27A5	3/0 str.	1/2	2	1.04	3.12	1.75	3.02	0.63	0.26	0.74	MY29-3 (2)	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U27ART (2)	Ruby	467	1-1/2"
YA27A7		3/8		1.04	1.89	1.00	3.79	0.44	0.26	0.45			467	1-1/2"		
YA28A5	4/0 str.	1/2	2	1.17	3.11	1.75	5.19	0.63	0.30	0.73	-	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U28ART (2)	White	298	1-5/8"
YA28A7		3/8		1.17	1.89	1.00	3.97	0.44	0.30	0.45			298	1-5/8"		
YA29A3	250 kcmil	1/2	2	1.26	3.11	1.75	5.28	0.63	0.33	0.73	-	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U29ART (2)	Red	324	1-5/8"
YA29A5		3/8		1.26	1.89	1.00	4.06	0.44	0.33	0.45			324	1-5/8"		
YA30A3	300 kcmil	1/2	2	1.38	3.11	1.75	5.64	0.63	0.36	0.73	-	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U30ART (2)	Blue	470	1-3/4"
YA30A5		3/8		1.38	1.89	1.00	4.42	0.44	0.36	0.45			470	1-3/4"		
YA31A5	350 kcmil	3/8	2	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		1.52	3.11	1.75	6.07	0.63	0.39	0.73			299	2-1/8"		
YA32A5	400 kcmil	3/8	2	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		1.62	3.11	1.75	6.15	0.63	0.43	0.73			472	2"		
YA34A3	500 kcmil	1/2	2	1.62	3.15	1.75	6.80	0.63	0.46	0.77	-	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U34ART (4)	Pink	300	2-5/8"
YA34A5		3/8		1.80	1.89	1.00	5.54	0.44	0.46	0.45			300	2-5/8"		
YA36A3	600 kcmil	1/2	2	1.62	3.15	1.75	7.09	0.63	0.52	0.77	-	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U36ART (4)	Black	473	2-7/8"
YA36A5		3/8		1.97	1.89	1.00	5.64	0.69	0.52	0.45			473	2-7/8"		
YA39A5	700/750 kcmil	1/2	2	1.62	3.15	1.75	7.07	0.63	0.43	0.77	-	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U39ART-2 (4)	Yellow	936	2-7/8"
YA39A7		3/8		2.05	1.89	1.00	5.81	0.44	0.43	0.45			936	2-7/8"		
YA39AM2	900 Compact AL +	1/2	2	1.69	3.12	1.75	7.31	0.63	0.57	0.74	-	P39ART** (4)	Red	301	2-7/8"	
YA40A3	800 kcmil	1/2	2	2.25	3.16	1.75	7.41	0.63	0.60	0.78	-	Y644HSXTBH (1)	P40ART (4)	Gray	474	3"
YA42A5	900 kcmil AL 600 kcmil Cu	1/2	2	1.62	3.13	1.75	7.09	0.63	0.39	0.77	-	Y644HSXT (2) Y644HSXTBH (2) PAT644XT-18V (2)	U42ART (4)▲	Gray	303	2-7/8"
YA42A7		3/8		2.14	3.13	1.00	5.96	0.44	0.39	0.45			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	1/2	2	2.59	3.12	1.75	7.73	0.63	0.51	0.74	-	-	L46ART (2)‡	Blue	478	2-3/4"
YA46A3▲▲	1500 kcmil	1/2	4	3.08	3.15	1.75	8.73	0.63	0.81	0.77	-	-	L48ART (2)‡	Red	479	4-1/8"
YA46A5▲▲		1/2		3.08	3.15	1.75	8.73	0.63	0.81	0.77	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 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.

Blue highlighted items are industry standard and most frequently ordered.

US: 1-800-346-4175

www.burndy.com

Canada: 1-800-387-6487

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