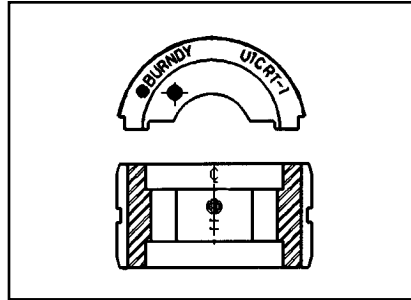


12-TON U DIES*

BURNDY® Die Sets

Fits Y35, Y39, Y750 Series,
PAT750-18V Series,
PAT46-18V, Y46
(W/PUADP-1 Adapter)



C-9

Wire Size	Copper	Aluminum
Small #8 Str.	U8CRT	U8CABT
#6, #5 Str.	U5CRT	U6CABT
#4 Str.	U4CRT	U4CABT
#3 Str.	U3CRT	N/A
#2 Str.	U2CRT	U2CABT
#1 Str.	U1CRT-1	U1CART
1/0 Str.	U25RT	U25ART
2/0 Str.	U26RT	U26ART
3/0 Str.	U27RT	U27ART
4/0 Str.	U28RT	U28ART
250 kcmil	U29RT	U29ART

U die case Part# **PT29291**, holds up to 15 dies

Wire Size	Copper	Aluminum
300 kcmil	U30RT	U30ART
350 kcmil	U31RT	U31ART
400 kcmil	U32RT	U32ART
500 kcmil	U34RT	U34ART
535 Flex kcmil	U38XRT	N/A
600 kcmil	U36RT	U36ART
750 kcmil	U39RT	U39ART2
Large 777 Flex	U44XRT	N/A

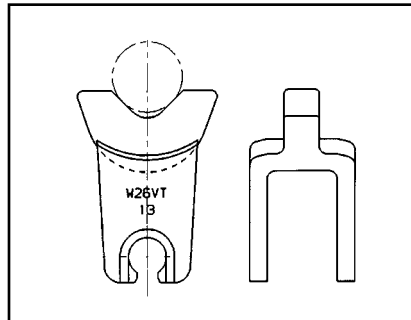
* Non-tension U-type 12-ton dies for YA, YS, YA-A, YS-A style connectors.

NOTE: N/A = not applicable.

W DIES

BURNDY® Die Sets

Fits Tools MD6, MD7, Y500CTHS,
PAT600-18V, PATMD6



Wire Size	Copper	Copper	Aluminum
Small #8	W8CVT	W8CRT	X8CART
#6	W5CVT	W5CRT	W161
#4	W4CVT	W4CRT	W162
#3	W3CVT	W3CRT	N/A
#2	W2CVT	W2CRT	W239
#1	W1CVT	W1CRT	W163
1/0	W25VT	W25CRT	W241
2/0	W26VT	W26CRT	W245
3/0	W27VT	W27CRT	W166
4/0	W28VT	W28CRT	W660
250	* W29VT	W29CRT	N/A
300	* W30VT	W30CRT	N/A
350	* W31VT	W31CRT	* W31ART
400	* W32VT	W32CRT	N/A
450	W33VT	W33CRT	N/A
500	* W34VT	W34CRT	N/A
Large 600	** W36RT	W36CRT	N/A

W die case Part# **CASEWDIES**, holds up to 24 dies

* These sizes (250-500) for Y500CTHS, MD7-34(R), BAT500, BCT500HS only.

** For PAT600-18V only.

NOTE: N/A = not applicable. Suitable for use on YA, YS, YA-A, YS-A type non-tension connectors.

Blue highlighted items are industry standard and most frequently ordered.

TYPES YBA-A

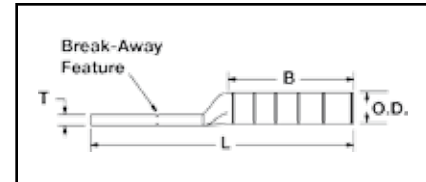
BREAK-AWAY HYLUG™

Copper and Aluminum
Compression Terminals

UL Listed 90° C,
600 Volts to 35 kV

The Break-Away HYLUG™ line of Copper and Aluminum terminals are designed to provide maximum field flexibility by allowing the installer (using the break-away feature) to easily convert a two-hole terminal into a one-hole terminal to suit the application.

The Break-Away HYLUG™ line of terminals encompasses a wide range of features that offers the installer the flexibility to meet the requirements of challenging projects.



Features & Benefits

- Break-Away feature allows for field modification of the terminal from a two-hole design to a one-hole design while retaining UL Listing and CSA Certification
- Field modification of the terminal does not require specialized tooling or training
- Stud size is 1/2" on the first stud as well as the slotted second stud
- Narrow tongue design allows for the terminal to fit into tight spaces
- Slotted second stud provides built in flexibility for the terminal to conform to various bus bar dimensions. With the slotted second stud the terminal can be used on two-hole spacing ranging from 1.75" down to 1.00" for 1/2" stud size
- Break-Away HYLUG™ line of terminals can be installed with standard BURNDY® tooling such as PAT750XT-18V and U-Dies
- Terminals are range taking when installed with Y644 or PAT644XT-18V tooling platforms

Aluminum Conductor

Catalog Number	Conductor Size (Concentric and Compact)	Dimensions						Installation Tooling (# of crimps)					
		Stud Hole Spacing	Stud Hole Size	Tongue Width	B	T	L	Dieless	MD6, MD7, MD7-34R platforms OUR840**	Y500CTHS, PAT60018V, PATMD6 platform	Y35, Y39, Y750, *Y46, PAT750, *PAT46 platforms	Color Code	Die Index
YBA25A	1/0	1" to 1.75"	1/2" [12]	1.03"	1.05"	0.17"	4.59"	MY29 (MY29 platform tools can only be used on Code Conductor), PAT644XT-18V & Y644 platforms (1), 4-POINT®	W241 (2) X241 (4)	W241 (2)	U25ART (1)	Tan	296
YBA26A	2/0	1" to 1.75"	1/2" [12]	1.03"	1.17"	0.20"	4.78"		—	—	U26ART (2)	Olive	297
YBA27A	3/0	1" to 1.75"	1/2" [12]	1.04"	1.31"	0.26"	5.02"		—	—	U27ART (2)	Ruby	467
YBA28A	4/0	1" to 1.75"	1/2" [12]	1.17"	1.39"	0.30"	5.19"	Y81KFT, PAT81KFT, Y4PC, PAT4PC platforms (2)	W660 (4) X660 (8)	W660 (4)	U28ART (2)	White	298
YBA29A	250 kcmil	1" to 1.75"	1/2" [12]	1.26"	1.45"	0.33"	5.28"	PAT644XT-18V & Y644 platforms (1), 4-POINT® Y81KFT, PAT81KFT, Y4PC, PAT4PC platforms (2)	—	—	U29ART (2)	Red	324
YBA30A	300 kcmil	1" to 1.75"	1/2" [12]	1.38"	1.53"	0.36"	5.64"	—	—	U30ART (2)	Blue	470	
YBA31A	350 kcmil	1" to 1.75"	1/2" [12]	1.52"	1.85"	0.39"	6.07"	PAT644XT-18V & Y644 platforms (1), 4-POINT® Y81KFT, PAT81KFT, Y4PC, PAT4PC platforms (4)	—	—	U31ART (2)	Brown	299
YBA32A	400 kcmil	1" to 1.75"	1/2" [12]	1.62"	2.26"	0.43"	6.15"		—	—	U32ART (4)	Green	472
YBA34A	500 kcmil	1" to 1.75"	1/2" [12]	1.62"	2.34"	0.46"	6.80"		—	—	U34ART (4)	Pink	300
YBA36A	600 kcmil	1" to 1.75"	1/2" [12]	1.31"	2.47"	0.52"	7.09"		—	—	U36ART (4)	Black	473
YBA39A	700 & 750 kcmil	1" to 1.75"	1/2" [12]	1.62"	2.46"	0.43"	7.07"		—	—	U39ART-2 (2)	Yellow	936
YBA42A	600 - 900 kcmil	1" to 1.75"	1/2" [12]	1.62"	2.46"	0.39"	7.15"	—	—	U42ART (4)^	Gray	303	
YBA44A	1000 kcmil	1" to 1.75"	1/2" [12]	1.65"	2.74"	0.55"	7.76"	Y644HSXTBH (1)	—	—	P44ART† (4)	Brown	302

† Can only be crimped with PAT46 or Y46 platform tools using the P44ART die

* Y46 and PAT46 platforms require PUADP-1 adaptor to use U dies

** OUR840 can use X-style dies only
^ U die for 900 AL only

Blue highlighted items are industry standard and most frequently ordered.

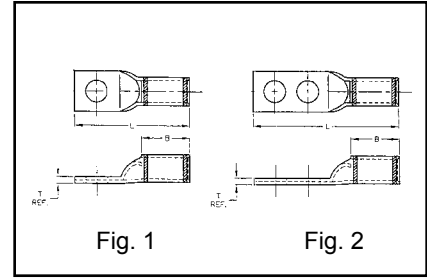
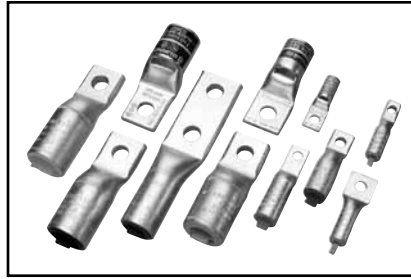
Compression Connections

BURNDY®

Copper and Aluminum Compression — Narrow Tongue — One and Two Hole

E-LINE HYLUG™ EQUIPMENT LINE

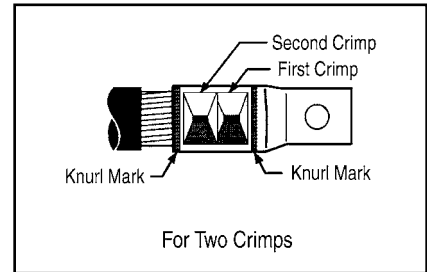
TYPE YA-E



C-108

COPPER AND ALUMINUM COMPRESSION TERMINAL

UL Listed 90° C,
600 Volts to 35 kV ♦



ALUMINUM E-LINE HYLUG™ COMPRESSION TERMINALS

Catalog Number	Fig. No.	Conductor Accommodations		Stud Hole Size	Stud Hole Spacing	Tongue Width (max)	Dimensions			† Installation Tooling				
		Aluminum	Copper or Aluminum				B	T	L	Dieless (number of crimps)	Hydraulic Y35, Y750, Y46*, PAT750 (number of crimps)	Color Code	Die Index	Wire Strip Length
		Conventional Wire Size	Expanded Wire Range using Y644HSXT											
YA30A6N100T38E	1	300 kcmil	2/0 AWG - 300 kcmil	3/8"	—	1.00"	1.53"	0.36"	3.20"	Y644HSXT (1) PAT644XT-18VHS (1)	U30ART (2)	Blue	470	1-5/8"
YA30A1N131T12E				1/2"	—	1.31"	1.53"	0.35"	3.57"					
YA31A11N100T516E	1	350 kcmil	3/0 AWG - 350 kcmil	5/16"	—	1.00"	1.85"	0.39"	3.51"	Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U31ART (2)	Brown	299	1-7/8"
YA31A9N100T38E				3/8"	—	1.00"	1.85"	0.39"	3.59"					
YA32A8N106T516E	1	400 kcmil	4/0 AWG - 400 kcmil	5/16"	—	1.06"	2.26"	0.43"	3.92"		U32ART (4)	Green	472	2-5/16"
YA34A8N131T38E	1	500 kcmil	4/0 AWG - 500 kcmil	3/8"	—	1.31"	1.64"	0.35"	3.88"	Y644HSXT (2) PAT644XT-18VHS (2)	U34ART (4)	Pink	300	1-11/16"
YA34A7N131T12E				1/2"	—	1.31"	1.64"	0.35"	3.88"					
YA34A3N131T12E	2			1/2"	1.75	1.31"	1.64"	0.39"	5.71"					
YA36A9N131TD12E	1	600 kcmil	250 - 600 kcmil	1/2"	—	1.31"	1.64"	0.39"	3.98"	Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U34ART (4)	Pink	300	1-11/16"
YA36A3N131TD38E				3/8"	—	1.31"	1.64"	0.39"	5.32"					
YA36A3N131TD12E	2			1/2"	1.75	1.31"	1.64"	0.39"	5.71"					
YA39A1N131TD12E	1	750 kcmil	500 - 900 kcmil Aluminum 500 kcmil Copper Only	1/2"	—	1.31"	1.86"	0.31"	4.28"					1-15/16"
YA39A5N131TD12E				2	1/2"	1.75	1.31"	1.86"	0.31"	6.09"				

† A variety of BURNDY® installation tools are available and not all tools are listed. If you require additional tooling information, please feel free to call our customer service department for other recommendations.

* Use PUADP-1 adapter with U dies in Y46 HYPRESS™, P-RT die sets for use in Y46 HYPRESS™ only. PUADP-1 adapter not required.

** 900 Compact Aluminum Cable not UL Listed. Tested with Y644HSXT and PAT644XT-18V dieless tools only. **Note:** All dimensions shown are for reference only. Overlap crimps when using U Dies.

Blue highlighted items are industry standard and most frequently ordered.

US: 1-800-346-4175

www.burndy.com

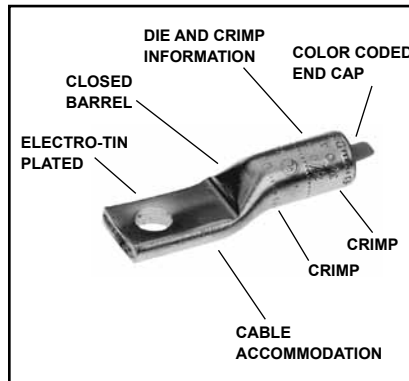
Canada: 1-800-387-6487

Compression Connections

BURNDY®

Aluminum Compression — Tin Plated — For Aluminum & Copper Conductors

TYPES YA-A AND YA-A-TN (Continued)



UL Listed 90° C,
600 Volts to 35 kV ♦

C-144

HYLUG™

UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS

1-HOLE DESIGN

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)		Die Number (# of crimps)	Color Code	▲ Die Index	
										Mechanical Tooling	Hydraulic HYPRESS™				
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)	Y81KFT (2) Y81KFTMBH (2) Y644HSXT (1) PAT81KFT-18V (2)	U1CART (1)	Gold	471	15/16"
YA25A1	1/0	5/16	1	0.60	0.87	2.31	0.41	0.21	0.46			U26ART (2)	Olive	297	1-3/8"
YA25A3		3/8	1	0.82	1.18	2.67	0.63	0.21	0.55			U27ART (2)	Ruby	467	1-1/2"
YA25A9		1/2	1	1.03	1.34	2.83	0.63	0.17	0.71	U28ART (2)	White	298	1-5/8"		
YA26A6	2/0 AWG	3/8	1	0.67	1.89	2.79	0.44	0.24	0.74	MY29-3 (2) MRC840AL (2)	Y81KFT (2) Y81KFTMBH (2) Y644HSXT (1) PAT81KFT-18V (2)	U26ART (2)	Olive	297	1-3/8"
YA26A1		1/2	1	1.03	1.36	3.03	0.63	0.20	0.73			U27ART (2)	Ruby	467	1-1/2"
YA27A1	3/0 AWG	3/8	1	0.73	1.18	2.88	0.44	0.26	0.74	MY29-3 (2) MRC840AL (2)	Y81KFT (2) Y81KFTMBH (2) Y644HSXT (1) PAT81KFT-18V (2)	U27ART (2)	Ruby	467	1-1/2"
YA27A3		1/2	1	1.04	1.37	3.27	0.63	0.26	0.74			U28ART (2)	White	298	1-5/8"
YA28A1	4/0 AWG	3/8	1	1.17	1.18	3.26	0.44	0.30	0.74	MY29-3 (2) MRC840AL (2)	Y81KFT (2) Y81KFTMBH (2) Y644HSXT (1) PAT81KFT-18V (2)	U28ART (2)	White	298	1-5/8"
YA28A3		1/2	1	1.17	1.36	3.44	0.63	0.30	0.73			U29ART (2)	Red	324	1-9/16"
YA29A9	250 kcmil	3/8	1	1.26	0.83	3.09	0.41	0.33	0.42	—	Y81KFT (2) Y81KFTMBH (2) Y644HSXT (1) PAT81KFT-18V (2)	U29ART (2)	Red	324	1-5/8"
YA29A1		1/2	1	1.26	1.36	3.53	0.63	0.33	0.73			U30ART (2)	Blue	470	1-3/4"
YA30A6	300 kcmil	3/8	1	1.38	1.37	3.90	0.63	0.36	0.74	—	Y81KFT (2) Y81KFTMBH (2) Y644HSXT (1) PAT81KFT-18V (2)	U30ART (2)	Blue	470	1-3/4"
YA30A1		1/2	1	1.38	1.37	3.90	0.63	0.36	0.74			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"
YA32A9	400 kcmil	3/8	1	1.62	0.83	3.95	0.41	0.43	0.42	—	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4) PAT644XT-18V (2)	U32ART (4)	Green	472	2-5/16"
YA32A1		5/8	1	1.62	1.88	4.92	0.88	0.43	1.00			U33ART (4)	Pink	300	2-5/8"
YA34A1	500 kcmil	5/8	1	1.80	1.91	5.56	0.88	0.46	1.03	—	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4) PAT644XT-18V (2)	U34ART (4)	Black	473	2-7/8"
YA36A1	600 kcmil	5/8	1	1.97	1.88	5.82	0.88	0.52	1.00			U39ART-2 (4)	Yellow	936	2-7/8"
YA39A1	700-750 kcmil 900 Compact AL*	1/2	1	2.05	1.34	5.26	0.63	0.43	0.71	—	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4) PAT644XT-18V (2)	U39ART-2 (4)	Yellow	936	2-7/8"
YA39A3		5/8	1	2.05	1.88	5.80	0.88	0.43	1.00			U40ART (4)	Gray	474	3"
YA39A34	700-750 kcmil	3/4	1	2.05	2.19	6.17	1.00	0.43	1.19	—	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4) PAT644XT-18V (2)	U40ART (4)	Gray	474	3"
YA40A1	800 kcmil	5/8	1	1.65	1.87	6.12	0.88	0.60	0.99			U42ART (4) [^]	Gray	303	2-7/8"
YA42A1	900 kcmil AL 600 kcmil CU	1/2	1	2.14	1.36	5.32	0.63	0.39	0.71	—	Y644HSXT (2) Y644HSXTBH (2) PAT644XT-18V (2)	U42ART (4) [^]	Gray	303	2-7/8"
YA42A3		5/8	1	2.14	1.36	5.32	0.63	0.39	1.00			U44ART** (4)	Gray	474	3"
YA44A1	1000 kcmil	5/8	1	2.50	1.89	6.50	0.88	0.66	1.01	—	Y644HSXT (2) Y644HSXTBH (2) PAT644XT-18V (2)	U44ART** (4)	Gray	474	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 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.

US: 1-800-346-4175

www.burndy.com

Canada: 1-800-387-6487

Compression Connections

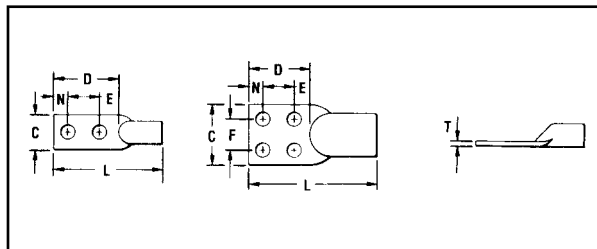
BURNDY®

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			U26ART (2)	Olive	297	1-3/8"
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)	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	2	1.04	3.12	1.75	3.02	0.63	0.26	0.74	-	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U29ART (2)	Red	324	1-5/8"
YA27A7		3/8		1.04	1.89	1.00	3.79	0.44	0.26	0.45			U30ART (2)	Blue	470	1-3/4"
YA28A5	4/0 str.	1/2	2	1.17	3.11	1.75	5.19	0.63	0.30	0.73	-	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U31ART (2)	Brown	299	2-1/8"
YA28A7		3/8		1.17	1.89	1.00	3.97	0.44	0.30	0.45			U32ART (4)	Green	472	2"
YA29A3	250 kcmil	1/2	2	1.26	3.11	1.75	5.28	0.63	0.33	0.73	-	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U34ART (4)	Pink	300	2-5/8"
YA29A5		3/8		1.26	1.89	1.00	4.06	0.44	0.33	0.45			U36ART (4)	Black	473	2-7/8"
YA30A3	300 kcmil	1/2	2	1.38	3.11	1.75	5.64	0.63	0.36	0.73	-	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U39ART-2 (4)	Yellow	936	2-7/8"
YA30A5		3/8		1.38	1.89	1.00	4.42	0.44	0.36	0.45			P39ART** (4)	Red	301	2-7/8"
YA31A5	350 kcmil	3/8	2	1.52	1.89	1.00	4.85	0.44	0.39	0.45	-	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U42ART (4) [▲]	Gray	303	2-7/8"
YA31A3		1/2		1.52	3.11	1.75	6.07	0.63	0.39	0.73			P44ART** (4)	Brown	302	3"
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)	L46ART (2) ‡	Blue	478	2-3/4"
YA32A3		1/2		1.62	3.11	1.75	6.15	0.63	0.43	0.73			L48ART (2) ‡	Red	479	4-1/8"
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)	U42ART (4) [▲]	Gray	303	2-7/8"
YA34A5		3/8		1.80	1.89	1.00	5.54	0.44	0.46	0.45			P44ART** (4)	Brown	302	3"
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)	U42ART (4) [▲]	Gray	303	2-7/8"
YA36A5		3/8		1.97	1.89	1.00	5.64	0.69	0.52	0.45			P44ART** (4)	Brown	302	3"
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)	U42ART (4) [▲]	Gray	303	2-7/8"
YA39A7		3/8		2.05	1.89	1.00	5.81	0.44	0.43	0.45			P44ART** (4)	Brown	302	3"
YA39AM2	900 Compact AL +	1/2	2	1.69	3.12	1.75	7.31	0.63	0.57	0.74	+	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U42ART (4) [▲]	Gray	303	2-7/8"
YA40A3	800 kcmil	1/2	2	2.25	3.16	1.75	7.41	0.63	0.60	0.78	+	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U42ART (4) [▲]	Gray	303	2-7/8"
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 (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U42ART (4) [▲]	Gray	303	2-7/8"
YA42A7		3/8		2.14	3.13	1.00	5.96	0.44	0.39	0.45			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	+	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U42ART (4) [▲]	Gray	303	2-7/8"
YA45A5 ^{▲▲}	1250 kcmil	1/2	2	2.59	3.12	1.75	7.73	0.63	0.51	0.74	+	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U42ART (4) [▲]	Gray	303	2-7/8"
YA46A3 ^{▲▲}	1500 kcmil	1/2	2	3.08	3.15	1.75	8.73	0.63	0.81	0.77	-	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U42ART (4) [▲]	Gray	303	2-7/8"
YA46A5 ^{▲▲}		1/2		4	3.08	3.15	1.75	8.73	0.63	0.81			0.77	L46ART (2) ‡	Blue	478
YA48A3 ^{▲▲}	2000 kcmil	1/2	2	3.57	3.11	1.75	8.49	0.63	0.90	0.73	+	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U42ART (4) [▲]	Gray	303	2-7/8"

• 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.

TYPES AYP, AYPO

HYPLUG™

FOR ALUMINUM AND COPPER CONDUCTOR

UL Listed 90° C,
600 Volts to 35 kV◆



AL9CU



AL9

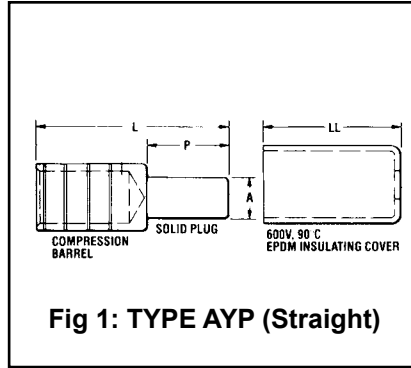


Fig 1: TYPE AYP (Straight)

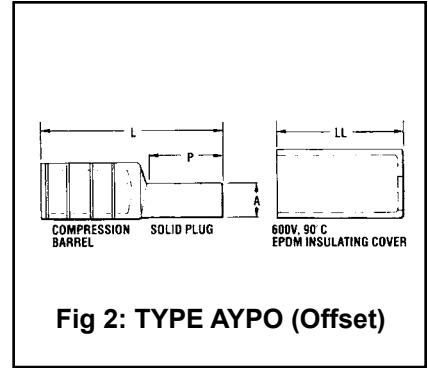


Fig 2: TYPE AYPO (Offset)

C-149

Catalog Number	Copper & Aluminum Conductor	Fig. No.	Dimensions				Installation Tooling ▲					Wire Strip Length		
			A ▼ Plug Dia.	P Plug Length	L HYPLUG Length	LL Cover Length	HYTOOLS			Y35, Y39, Y750, Y46*			▲ Die Index & Embossment	
							Dieless Tools (# of crimps)	+ OH25	+ MD6	Die Number (# of crimps)	Color Code			
AYP6	6 Str.	1	0.23	0.68	1.85	2.03								
AYP4	4 Str.	1	0.23	0.68	1.85	2.03	MY29-3 (2) ** + Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	1 crimp	W241	U25ART (1)	Tan	296	1-1/16"	
AYP2	2 Str.	1	0.23	0.68	1.85	2.03								
AYP1	1 Str.	1	0.26	0.84	2.01	2.03								
AYP1/0	1/0 Str.	1	0.29	0.84	2.01	2.03								
AYPO2/0	2/0 Str.	2	0.33	1.09	2.70	2.23	MY29-3 (2) ** + Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	—	—	U28ART (2)	White	298	1-1/8"	
AYPO3/0	3/0 Str.	2	0.37	1.22	2.80	2.23								
AYPO4/0	4/0 Str.	2	0.42	1.22	2.80	2.23								
AYP250	250 kcmil	1	0.47	1.22	2.63	2.54	Hydraulic: Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	—	—	U31ART (2)	Brown	299	1-1/8"	
AYPO250	250 kcmil	2	0.47	1.22	2.98	2.54								
AYPO300	300 kcmil	2	0.53	1.34	3.08	2.54								
AYP350	350 kcmil	1	0.57	1.34	2.75	2.54				U34ART (2)	Pink	300	1-1/8"	
AYPO350	350 kcmil	2	0.57	1.34	3.08	2.54								
AYPO400	400 kcmil	2	0.63	1.60	3.43	2.81								
AYP500	500 kcmil	1	0.68	1.60	3.08	2.81	U34ART (2)	Pink	300	1-1/8"				
AYPO500	500 kcmil	2	0.68	1.60	3.43	2.81								
AYPO600	600 kcmil	2	0.73	1.64	4.02	3.69	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	—	—	U39ART-2 (3)	Yellow	936	1-3/4"	
AYP750	700/750 kcmil 900 Compact AL†	1	0.81	1.76	3.79	3.69								
AYPO750	700/750 kcmil 900 Compact AL†	2	0.81	1.76	4.16	3.69								

Scratch brush aluminum conductor before installation.
▲ See tooling section of this catalog for complete tool and die listings.
** For MY29-3 use aluminum index plate at 1/0 setting for sizes #6 through 1/0 or at 4/0 setting for sizes 2/0 through 4/0.
+ Not UL Listed with these tools.

* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™.
■ Also accommodates compressed and compact conductors (except for 700 kcmil in 750 kcmil barrel).
† Tested with Y644HSXT and PAT644XT-18V 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.
▼ For copper equivalent wire size see page O-11 (Aluminum 1350 Cable).
Note: CSA certified for AL Conductor only.

Blue highlighted items are industry standard and most frequently ordered.

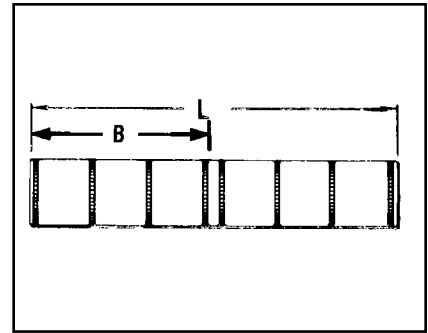
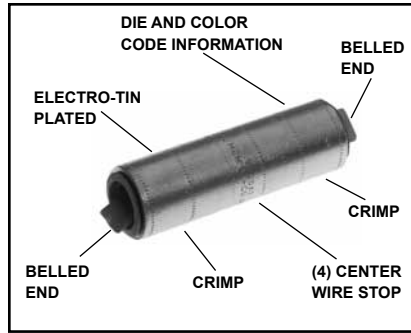
TYPE YS-A

(Continued)

HYLINK™

**UNINSULATED ALUMINUM
COMPRESSION SPLICE**

UL Listed 90° C,
600 Volts to 35 kV ♦



C-151

Catalog Number	Code • Conductor	Dimensions B L		Installation Tooling ▲					Wire Strip Length
				Dieless (# of crimps/end)		Y35, ■ Y39, Y750, Y46*		▲ Die Index & Embossment	
				Mechanical HYTOOL™	Hydraulic HYPRESS™	Die Number (# of crimps per end)	Color Code		
YS26A1	2/0 str.	1.18	2.61	MY29-3 (2) MRC840AL (2)	Y644HSXT (1) Y81KFT (2)	U26ART (2)	Olive	297	1-3/8"
YS27A1	3/0 str.	1.31	2.88			U27ART (2)	Ruby	467	1-1/2"
YS28A1	4/0 str.	1.40	3.06	MY29-3 (2)	Y81KFTMBH (2) PAT81KFT-18V (2)	U28ART (2)	White	298	1-5/8"
YS29A1	250kcmil	1.46	3.18			U29ART (2)	Red	324	1-5/8"
YS30A1	300 kcmil	1.47	3.20			U30ART (2)	Blue	470	1-3/4"
YS31A1	350 kcmil	1.89	4.04	—	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	U31ART (2)	Brown	299	2-1/8"
YS32A1	400kcmil	2.30	4.86	—	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	U32ART (2)	Green	472	2-1/2"
YS34A1	500 kcmil	2.38	5.02	—		U34ART (2)	Pink	300	2-5/8"
YS36A1	600 kcmil	2.44	5.14	—		U36ART (4)	Black	473	2-7/8"
YS39A1*	700/750 kcmil 900 Compact Al †	2.50	5.26	—		U39ART-2 (4)	Yellow	936	2-7/8"
YS39AM1*	700/750 kcmil 900 Compact Al †	2.63	5.58	—	P39ART** (4)	Red	301	2-7/8"	
YS42A1	600 - 900 kcmil	2.50	5.26	—	Y644HSXT (2) PAT644HSXT (2)	U42ART (4) ^	Gray	—	2-7/8"
YS44A1^^	1000 kcmil	2.84	5.94	—	—	P44ART** (4)	Brown	302	3"
YS45A1^^	1250 kcmil	2.84	6.21	—	—	P48PR1/L44ART** (6)	Brown	302	2.88"
YS46A1^^	1500 kcmil	3.40	7.05	—	—	L46ART*** (2)	Blue	478	3.38"
YS47A1^^	1750 kcmil	3.99	8.31	—	—	L47ART*** (2)	White	587	4"
YS48A1^^	2000 kcmil	3.66	7.58	—	—	L48ART*** (2)	Red	479	3.63"
YS483A1^^	2250 kcmil ALUMINUM ONLY	3.66	7.58	—	—	L48ART*** (2)	Red	479	3.63"

▲ See tooling section of this catalog for complete tool and die listings.
 † UL Listed for Aluminum only. Not CSA Certified.
 * Use PUADP-1 adaptor with U dies in Y46 HYPRESS™.
 ** P39ART and P44ART for use with Y46 HYPRESS™ only. PUADP-1 adapter not required.

■ The largest size for the Y35 is 400 kcmil.
 *** Y60BHU only.
 90° C Rated.
 † Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact Al.

● Also accommodates compressed and compact conductors. (Except 700 kcmil in 750 kcmil barrel)
 Note: All dimensions shown are for reference only.
 ^ U Die for 900 AL only.
 ^^ 75° C Rated.

**Y644HSXT DIELESS HYPRESS™
RANGE-TAKING
CAPABILITIES**

The following HYLINK™ splices, when crimped with the Y644HSXT DIELESS HYPRESS™ tool, produce the range-taking capabilities in the table to the right.

Aluminum Splices					
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.

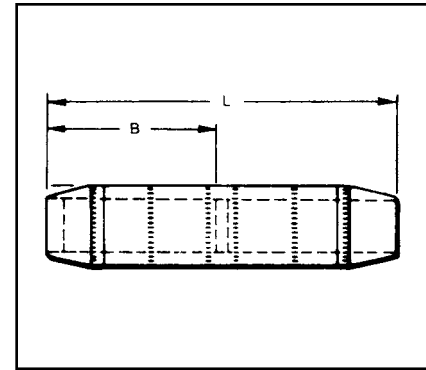
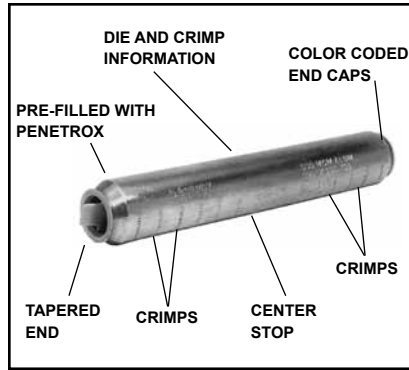
TYPE YS-AT

HIGH VOLTAGE UNINSULATED ALUMINUM COMPRESSION SPLICE

C-152

Type YS-AT is a high-conductivity aluminum electro-tin plated compression butt splice with tapered ends for high voltage applications up to 35 kV.

The YS-AT provides the same benefits as the YS-A with the addition of tapered ends for easy installation of high voltage insulating kits. Tapered ends aid in preventing corona emission and insulation breakdown. Recommended for high voltage splice applications.



Features & Benefits

- Tapered ends for applications through 35kV
 - ◇ Permits easy taping and aids in preventing corona emission and insulation breakdown
- Heavy wall aluminum tubing
 - ◇ For use with combinations of AL-AL, AL-CU, CU-CU

Catalog Number	• † Code Conductor	Dimensions		Installation Tooling ▲				Wire Strip Length
				Y35, ■ Y39, Y750, Y46*			Die Index & Embossment ▲	
		B	L	Die Number	(Crimps per End)	Color Code		
YS2CAT	2 str.	1.58	4.00	U2CABT	(2)	Pink	348	2 1/4"
YS25AT	1/0 str.	1.96	4.73	U25ART	(2)	Tan	296	2 5/8"
YS26AT	2/0 str.	1.83	4.29	U26ART	(3)	Olive	297	2 3/8"
YS27AT	3/0 str.	2.04	4.69	U27ART	(3)	Ruby	467	2 5/8"
YS28AT	4/0 str.	2.16	5.05	U28ART	(3)	White	298	2 3/4"
YS29AT	250 kcmil	2.29	5.37	U29ART	(3)	Red	324	2 7/8"
YS30AT	300 kcmil	2.54	5.91	U30ART	(3)	Blue	470	3 1/8"
YS31AT	350 kcmil	2.68	6.23	U31ART	(3)	Brown	299	3 3/8"
YS34AT	500 kcmil	3.39	7.79	U34ART	(6)	Pink	300	4 1/8"
YS39AT	700/750 kcmil • 900 Compact AL ▼	3.69	8.57	P39ART**	(6)	Red	301	4 1/2"
YS44AT	1000 kcmil 900 Compact AL ▼	3.77	9.69	P44ART**	(6)	Brown	302	4 3/4"

† Contact BURNDY® for conductor sizes not shown.

* Use PUADP-1 adapter for U dies.

** P39ART and P44ART for use with Y46 HYPRESS™ only. PUADP-1 adapter not required.

■ The maximum size for the Y35 is 400 kcmil.

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

● Also accommodates compressed and compact conductors (except 700 kcmil in 750 kcmil barrel).

▼ Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact AL.

Note: All dimensions shown are for reference only.

Blue highlighted items are industry standard and most frequently ordered.

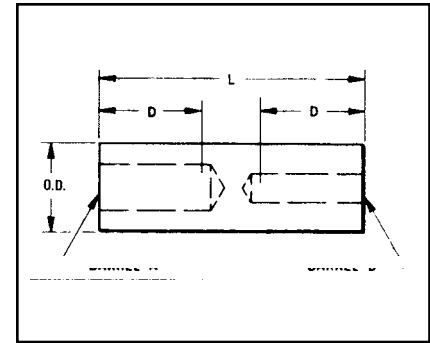
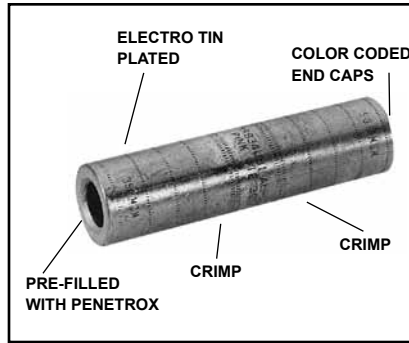
TYPE YRB

HYREDUCER™

**FOR ALUMINUM TO COPPER
 AND ALUMINUM TO ALUMINUM**

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

HYREDUCER™ type YRB reducer butt splice is designed to splice two different conductor sizes and is UL Listed for aluminum to copper and aluminum to aluminum applications. The outside diameter is held constant to minimize installation dies and is factory prefilled with PENETROX™.



C-153

Features & Benefits

- Constant outside diameters. Electro tin-plated
 - ◊ Minimizes installation dies and provides a smooth profile for easy taping and provides durable long lasting corrosion resistance
- Factory prefilled with BURNDY® PENETROX™ oxide inhibiting compound
 - ◊ Contains homogeneously suspended conductive metallic particles which penetrate oxides between conductor strands and forms an air tight connection
- Solid center barrier
 - ◊ Provides center stop for correct cable insertion and aids the thorough penetration of PENETROX™ oxide inhibiting compound between conductor strands
- Connectors are clearly marked with catalog number, wire size, and color-coded die index
 - ◊ Provides clear, easy to use information to lower installed costs
- Each barrel end has a plastic end cap
 - ◊ Keeps the connector barrels free of foreign materials

Catalog Number	Conductor Range • Aluminum or Copper Size †		Dimensions			Installation Tooling ▲ Hydraulic Tools, Die Sets (No. of Crimps ‡)				Wire Strip Length
	Barrel A	Barrel B	O.D	D	L	Y35 ■, Y39, Y750, Y46* ‡	Die▲ Index	Color Code		
YRB2U4	1 str. 2 str.	4 str. 3 str.	0.65	0.88	2.00	U25ART	(1)	296	Tan	15/16"
YRB25U2	1/0 str.	1 str. 2 str.	0.65	0.88	2.00	U25ART	(1)	296	Tan	15/16"
YRB27U25	3/0 str.	1/0 str.	0.85	1.36	3.31	U28ART	(2)	298	White	1-7/16"
YRB27U26	3/0 str.	2/0 str.	0.85	1.36	3.31	U28ART	(2)	298	White	1-7/16"
YRB28U26	4/0 str.	2/0 str.	0.85	1.36	3.31	U28ART	(2)	298	White	1-7/16"
YRB29U28	250 kcmil	4/0 str.	1.11	1.73	4.21	U31ART	(2)	299	Brown	1-13/16"
YRB31U28	350 kcmil	4/0 str.	1.11	1.73	4.21	U31ART	(2)	299	Brown	1-13/16"
YRB31U29	350 kcmil	250 kcmil	1.11	1.73	4.21	U31ART	(2)	299	Brown	1-13/16"
YRB34U31	500 kcmil	350 kcmil	1.31	2.11	5.12	U34ART	(4)	300	Pink	2-3/16"
YRB36U31	600 kcmil	350 kcmil	1.46	2.25	5.57	U39ART-2	(4)	936	Yellow	2-5/16"
YRB36U34	600 kcmil	500 kcmil	1.46	2.25	5.57	U39ART-2	(4)	936	Yellow	2-5/16"
YRB39U34	700/750 kcmil • 900 Compact AL ▼	500 kcmil	1.46	2.25	5.57	U39ART-2	(4)	936	Yellow	2-5/16"
YRB39U36	700/750 kcmil • 900 Compact AL ▼	600 kcmil	1.46	2.25	5.57	U39ART-2	(4)	936	Yellow	2-5/16"

† Contact BURNDY® for conductor sizes not shown.

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

‡ Number of crimps.

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

■ The maximum size for the Y35 is 400 kcmil.

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

• Also accommodates compressed and compact conductors (except 700 kcmil in 750 kcmil barrel).

▼ Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact AL.

Note: All dimensions shown are for reference only.

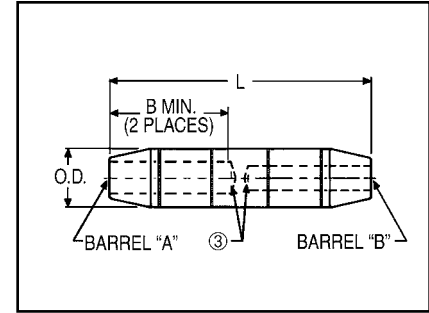
Blue highlighted items are industry standard and most frequently ordered.

TYPE YRB-U

HYREDUCER™ SPLICE

(Continued)

For Aluminum to Aluminum and
Aluminum to Copper



Installation (Number of Crimps per End)							
Color Code	Die Index	Hydraulic					Dieless (# of Crimps)
		Y35, Y39, Y750, BAT35, BAT750, PAT750	Y46	Y45	Y48B	Y60BHU	Mechanical: MY29-3 (1), MY29011 (1) Hydraulic: Y644M (1), PAT644-18V (1)
Tan	296	U25ART (1)	U25ART (1)	U25ART (1)	C25AR (1)	—	MY29-3 (1) MY29-11 (1) Y644M (1) PAT644-18V (1)
White	298	U28ART (2)	U28ART (2)	U28ART (2)	C28AR (2)	—	
Brown	299	U31ART Overlap Crimp	U31ART Overlap Crimp	U31ART Overlap Crimp	C31AR (1)	L31ART (1)	Y644M (1) PAT644-18V (1)
Pink	300	U34ART Overlap Clamp	U34ART Overlap Clamp	U34ART Overlap Clamp	C34AR (1)	L34ART	
Yellow	936	U39ART-2 (4)	U39ART-2 (4)	U39ART-2 (4)	C39AR (2)	L39ART (2)	—

- 1 Material: Aluminum.
- 2 Finish: Electro-tin plated.
- ③ Barrels are partially filled with PENETROX™ and sealed.
- 4 Scratch brushing of all conductors before making installation is recommended.
- 5 Not for use with Copper-to-Copper applications.
- 6 Dimensions in brackets [] are in millimeters rounded off to the nearest millimeter, unless otherwise noted and are for reference only.

- ⑦ Catalog number PT6515 Adaptor is required to use "U" dies in Y45 series tools.
- ⑧ Catalog number PUADP-1 Adaptor is required to use "U" dies in Y46 series tools.
- 9 On MY29-3 HYTOOL™ use alum. Index plate settings as follows, for 1/0 conductor use 1/0 setting. For conductor smaller than 1/0 size use 2/0 setting.

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Blue highlighted items are industry standard and most frequently ordered.

TYPE YRB-T

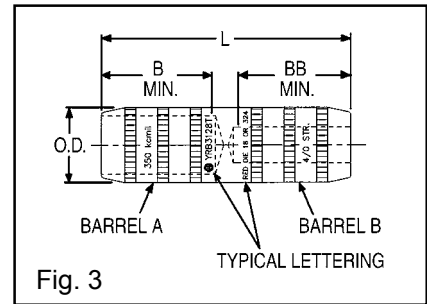
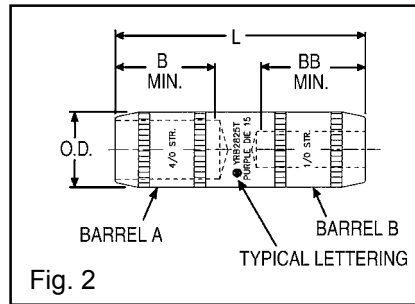
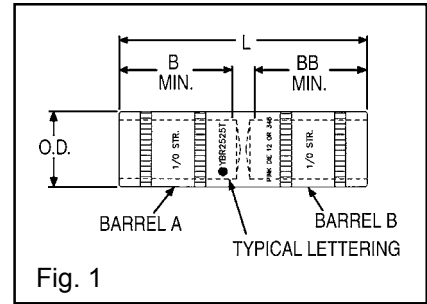
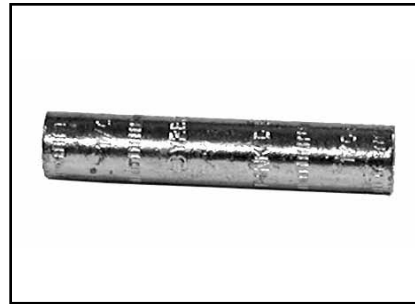
HYREDUCER™ SPLICE

For Copper to Copper

Type YRB-T splice is designed for use within underground systems. Copper splices are tapered and recommended for use on copper-to-copper cables.

All splices have solid center stops for use with oil filled and non-oil filled cables.

The Outside Diameter is held constant to minimize installation dies. Rated up to 35 kV



Catalog Number ^② ⑦	Figure No.	Conductor Size		Dimensions			
		Barrel "A"	Barrel "B"	B Min.	BB Min.	L	O.D.
YRB2825T	2	4/0 (0.53)	1/0 (0.37)	1.16 [29]	1.16 [29]	2.84 [73]	0.69 [18]
YRB3428T	3	500 kcmil	4/0 (0.53)	1.73 [44]	1.73 [44]	4.50 [114]	1.06 [27]

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② ⑦ Catalog Number	Color Code	Installation Tooling (Number of Crimps)											Dieless (# of Crimps)	Wire Strip Length
		Die Information		Mechanical			Hydraulic							
		Die Index	Type	OUR840	MD7 MD7-34R	MD6	Y35, Y39, Y750, PAT750	BCT500, Y500CT	④ Y46	③ Y45	Y48B	Y60BHU		
YRB2825T	Purple	Die 15	Purple Die Set	X28VT (4) X28RT (4)	X28VT (4)	X28VT (4)	U28RT (1)	—	U28RT (1)	—	C28R (1)	L29ART (1)	Hydraulic: Y644M (1) PAT644M (1)	1-7/32"
YRB3428T	Brown	Die 20 or 299	Brown Die Set	—	—	—	U34ART (2) U31ART (2)	W34VT (2) W34RT (2)	U34RT (2) U31ART (2)	U34RT (2) U31ART (2)	C34R (1) C31AR (1)	L34RT (1)	Hydraulic: Y644M (1) PAT644M (1)	1-13/16"

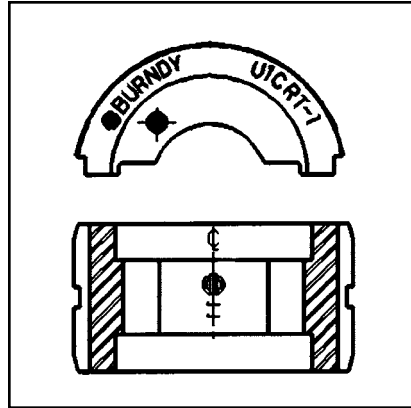
- 1 Material: Copper.
- ② For Tin-Plating, add suffix "TN" to the Catalog Number (example: YRB2825TN). For Hot Tin dipped add suffix "W" to the catalog number (example: YRB2825TW).
- ③ Catalog Number PT6515 Adaptor is required to use "U" dies in Y45 series tools.
- ④ Catalog Number PUADP-1 is required to use "U" dies in Y46 series tools.
- 5 Dimensions in brackets [] are in millimeters rounded off to the nearest millimeter, unless otherwise specified, and are for reference only.
- ⑦ Suffix "TN" and "W" will not be stamped on part.

Blue highlighted items are industry standard and most frequently ordered.

12-TON U DIES*

BURNDY® Die Sets

Fits Y35, Y39, Y750 Series,
PAT750 Series,
PAT46 Series
(with PUADP-1 Adapter)



U die case Part# PT29291, holds up to 15 U dies or U-Wide die sets.

Wire Size	Copper	Copper Wide Die**	Aluminum
#8 AWG	U8CRT	U8CRTW	U8CABT
#6 AWG	U5CRT	U5CRTW	U6CABT
#4 AWG	U4CRT	U4CRTW	U4CABT
#3 AWG	U3CRT	U3CRTW	N/A
#2 AWG	U2CRT	U2CRTW	U2CABT
#1 AWG	U1CRT-1	U1CRT-1W	U1CART
1/0 AWG	U25RT	U25RTW	U25ART
2/0 AWG	U26RT	U26RTW	U26ART
3/0 AWG	U27RT	U27RTW	U27ART
4/0 AWG	U28RT	U28RTW	U28ART
250 kcmil	U29RT	N/A	U29ART
300 kcmil	U30RT		U30ART
350 kcmil	U31RT		U31ART
400 kcmil	U32RT		U32ART
500 kcmil	U34RT		U34ART
535 Flex kcmil	U38XRT		N/A
600 kcmil	U36RT		U36ART
750 kcmil	U39RT		U39ART-2
777 Flex	U44XRT		N/A

* Non-tension U-type 12 ton dies for YA, YS, YA-A, YS-A style connectors.

** Wide dies are intended for use on long barrel terminals and splices (YA / YS) only.

NOTE: N/A = not applicable.

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**UDIEKITCU,
UDIEKITCUW,
UDIEKITAL,
UDIEKITHYGRD**

BURNDY® U DIE KITS



The UDIEKITCU and UDIEKITAL die kit includes 15 sets of “U” dies, type U-RT and U-ART respectively, and the PT29291 die case. These stainless steel color coded dies are for crimping BURNDY® YA, YS, YA-A and YS-A type HYLUG™ color coded terminals and splices ranging from #6 AWG through 750 kcmil.

The UDIEKITCUW includes 9 sets of wide stainless steel, color coded “U” dies are for crimping BURNDY® long barrel YA type HYLUG™ and YS type HYLINK™ color coded terminals and splices ranging from #8 AWG through 4/0 AWG. The wide “U” dies require only one crimp compared to two crimps when using standard width dies on long barrel YA type terminals and YS type splices up to 4/0 AWG.

The UDIEKITHYGRD kit includes 8 die sets. Seven dies sets are used to install the BURNDY® HYGROUND® irreversible compression grounding connectors, and the U2CABT die set for pre-crimping 1/2", 5/8" and 3/4" ground rods for increased rotational resistance.

BURNDY® “U” dies are used in the Y35, Y39, Y750 series, PAT750-18V series, Y46 and PAT46-18V (with PUDAP-1 adapter) tools.

UDIEKITHYGRD Includes
Catalog Number
UC
UO
U997
PU998
U1011
U1104
U1105
U2CABT (Ground rod pre-crimp die)
PT29291 (Die case)

Wire Size	UDIEKITCU Includes	UDIEKITCUW Includes	UDIEKITAL Includes
#8 AWG	not in kit	U8CRTW	not in kit
#6 AWG	U5CRT	U5CRTW	U6CABT
#4 AWG	U4CRT	U4CRTW	U4CABT
#2 AWG	U2CRT	U2CRTW	U2CABT
#1 AWG	U1CRT-1	U1CRT-1W	U1CART
1/0 AWG	U25RT	U25RTW	U25ART
2/0 AWG	U26RT	U26RTW	U26ART
3/0 AWG	U27RT	U27RTW	U27ART
4/0 AWG	U28RT	U28RTW	U28ART
250 kcmil	U29RT	N/A	U29ART
300 kcmil	U30RT		U30ART
350 kcmil	U31RT		U31ART
400 kcmil	U32RT		U32ART
500 kcmil	U34RT		U34ART
600 kcmil	U36RT		U36ART
750 kcmil	U39RT		U39ART-2
Die Case	PT29291	PT29291	PT29291

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PRESENT INSTALLATION TOOL INDEX (continued)

DIE		DIELESS TOOLS		INSTALLATION TOOLING USING DIES									
GROOVE		MECH.	HYD.	DIE INFORMATION		MECHANICAL		HYDRAULIC					
BURNDY	E EI	MR, MY	Y644	TYPE	COLOR	MD6	OUR840	Y35 ①	Y39	Y750 ①	Y45 ②	Y46 ③	Y60 Ser.
298		MY29-3	1 CRIMP	DIE SET	WHITE		X28ART	U28ART	U28ART	U28ART	U28ART	U28ART	L28ART
				NEST							P31D		
				INDENTOR							Y45PR5		
299			1 CRIMP	DIE SET	BROWN			U31ART	U31ART	U31ART	U31ART	U31ART	L31ART
				NEST							P35D		
				INDENTOR							P48PR1		
300			1 CRIMP	DIE SET	PINK			U34ART	U34ART	U34ART	U34ART	U34ART	L34ART
				NEST							P39D		
				INDENTOR							P49PR1		
301			1 CRIMP	DIE SET	RED						S39ART	P39ART	L39ART
				NEST							P45D		
				INDENTOR							P48PR1		
302			1 CRIMP	DIE SET	BROWN						S44ART	P44ART	L44ART
				NEST							No Nest		
				INDENTOR							P48PR1		
303				DIE SET	GRAY			U42ART	U42ART	U42ART	U42ART	U42ART	
304				DIE SET				U304	U304	U304	U304	U304	L304
305 341				DIE SET				U305	U305	U305	U305	U305	L305
306 170				DIE SET				U170	U170	U170	U170	U170	L170
308				DIE SET				U308	U308	U308	U308	U308	
313				DIE SET				U313	U313	U313	U313	U313	L313
314 376				DIE SET									L314
316				DIE SET				U316	U316	U316	U316	U316	L316
317 426				DIE SET				U317	U317	U317	U317	U317	L317
318 261				DIE SET				U261	U261	U261	U261	U261	L261
319				DIE SET							S319	P319	L319
320				DIE SET							S320	P320	L320
321				DIE SET				U321	U321	U321	U321	U321	L321
322				DIE SET				U322	U322	U322	U322	U322	
324			1 CRIMP	DIE SET	RED			U29ART	U29ART	U29ART	U29ART	U29ART	L29ART
				NEST							P32D		
				INDENTOR							P34PR5		
326 538				DIE SET				U33RT	U33RT	U33RT	U33RT	U33RT	
327	14A			DIE SET				U327	U327	U327	U327	U327	L327
328				DIE SET									L328
329				DIE SET				U329	U329	U329	U329	U329	
331				DIE SET				U331	U331	U331	U331	U331	
339 165 205 287				DIE SET			X-339	U165/ U205	U165/ U205	U165/ U205	U165/ U205	U165/ U205	
341 305				DIE SET				U305	U305	U305	U305	U305	L305
342				DIE SET							S342	P342	L342
344				DIE SET									L344
345				DIE SET									L345

① Cat. No. Y35P3 Adaptor is required to use "Y34PR" type indentors with "U" type nest dies in Y35 and Y750 series.
 ② Cat. No. PT6515 Adaptor is required to use "U" type dies in Y45 series.

③ Cat. No. PUADP-1 Adaptor is required to use "U" type dies in Y46 series.
 ④ The MD6-6R2 ratchet tool is required on these sizes. The standard MD6 or MD6R ratchet tools will not work.

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Catalog Number	Page #	Catalog Number	Page #	Catalog Number	Page #	Catalog Number	Page #
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TN14-6LF	B-34	TP14-8Z	B-42	U39RT	N-5, N-7	UB318	D-9
TN14-8	B-9	TP16-10	B-8	U3CRT	N-5	UB319	D-9
TN148BF	B-39	TP1610BF	B-38	U3CRTW	N-5	UB328	D-9
TN14-8F	B-29	TP16-10F	B-28	U44XRT	N-5	UB336	D-9
TN14-8LF	B-34	TP16-10LF	B-33	U4CABT	N-5, N-7	UB344	D-9
TN18-10	B-9	TP16-10Z	B-42	U4CRT	N-5, N-7	UB354	D-9
TN1810BF	B-39	TP16-14	B-8	U4CRTW	N-5, N-7	UB357	D-9
TN18-10F	B-29	TP16-2F	B-28	U5CRT	N-5, N-7	UB358	D-9
TN18-10LF	B-34	TP16-2Z	B-42	U5CRTW	N-5, N-7	UB383	D-9
TN18-14	B-9	TP16-38	B-8	U6CABT	N-5, N-7	UB384	D-9
TN18-14F	B-29	TP16-4	B-8	U8CABT	N-5	UB390	D-9
TN18-38	B-9	TP16-516	B-8	U8CRT	N-5	UB392	D-9
TN18-4	B-9	TP16-6	B-8	U8CRTW	N-5, N-7	UB399	D-9
TN184F	B-29	TP166BF	B-38	U997	N-7	UB400	D-9
TN18-516	B-9	TP16-6F	B-28	UB101	D-9	UB416	D-9
TN18-6	B-9	TP16-6LF	B-33	UB1027	D-9	UB422	D-9
TN186BF	B-39	TP16-6Z	B-42	UB1028	D-9	UB425	D-9
TN18-6F	B-29	TP16-8	B-8	UB1029	D-9	UB436	D-9
TN18-6G1	B-9	TP168BF	B-38	UB1030	D-9	UB437	D-9
TN18-6LF	B-34	TP16-8F	B-28	UB1031	D-9	UB464	D-9
TN18-8	B-9	TP16-8LF	B-33	UB1032	D-9	UB540	D-9
TN188BF	B-39	TP16-8Z	B-42	UB1033	D-9	UC	N-7
TN18-8F	B-29	TS-KD	N-105	UB104	D-9	UC25R2R	H-16
TN18-8LF	B-34	TS-RD	N-105	UB105	D-9	UC25R2RS	H-16
TN20-2F	B-29	TS-SQ	N-105	UB106	D-9	UC2834	H-13
TN20-6F	B-29	TTV10	B-75	UB107	D-9	UC28R	H-16
TP10-10	B-8	TTV14	B-75	UB124	D-9	UC28RS	H-16
TP1010BF	B-38	TTV18	B-75	UB178	D-9	UC2W28-L	H-10
TP10-10F	B-28	TWT1	G-26	UB187	D-9	UC2W30	H-13
TP10-10LF	B-33	TWT2	G-26	UB199	D-9	UC3040	H-13
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TP10-14	B-8	U1105	N-7	UB224	D-9	UC33R	H-16
TP10-38	B-8	U1CART	N-5, N-7	UB230	D-9	UC3444	H-13
TP10-516	B-8	U1CRT-1	N-5, N-7	UB232	D-9	UC4W28	H-13
TP10-6	B-8	U1CRT-1W	N-5, N-7	UB236	D-9	UC4W28CONKIT	H-18
TP106BF	B-38	U25ART	N-5, N-7	UB242	D-9	UC6W25	H-13
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TP10-8F	B-28	U27ART	N-5, N-7	UB260	D-9	UCG25R2RS	H-16
TP10-8LF	B-33	U27RT	N-5, N-7	UB261	D-9	UCG25RS	H-16
TP10-8Z	B-42	U27RTW	N-5, N-7	UB262	D-9	UCG28R	H-16
TP14-10	B-8	U28ART	N-5, N-7	UB263	D-9	UCG28RS	H-16
TP1410BF	B-38	U28RT	N-5, N-7	UB264	D-9	UCG32R	H-16
TP14-10F	B-28	U28RTW	N-5, N-7	UB266	D-9	UCG32RS	H-16
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TP148BF	B-38	U36RT	N-5, N-7	UB314	D-9	UGSKIT8	A-35
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