

TYPE YS-A

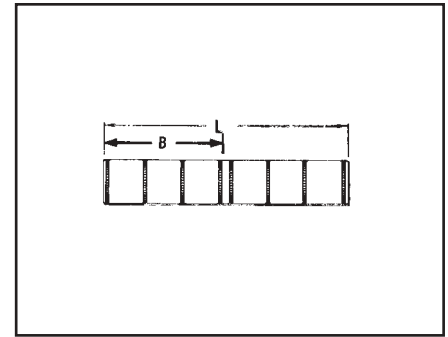
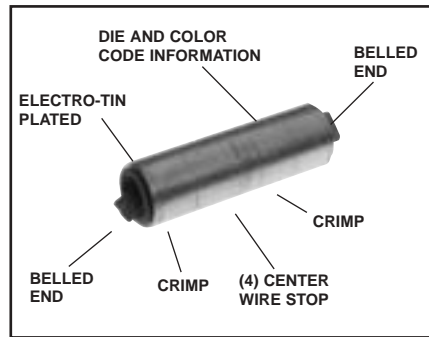
HYLINK™

UNINSULATED ALUMINUM COMPRESSION SPLICE

UL Listed 90° C,
600 Volts to 35 KV◆

Type YS-A is a high-conductivity aluminum tin-plated compression butt splice for use on all combinations of aluminum to aluminum, aluminum to copper, and copper to copper conductor combinations.

They are designed to accommodate conductors from #12 str. through 1,000 kcmil in standard and heavy duty applications. Prefilled with PENETROX™ oxide inhibiting compounds and assembled with color-coded end caps, the connectors provide a permanent trouble-free electrical splice with flexibility and low installed cost.



Features and Benefits

- Manufactured from high-conductivity wrought aluminum with heavy duty wall thickness.
 - ◇ Provides high-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 bevelled barrel.
 - ◇ Provides easy cable entry.
- Solid center stop and prefilled with PENETROX™ oxide inhibiting compound.
 - ◇ Provides stop for proper conductor insertion and an aid in forcing the PENETROX™ between the individual wire strands.
- Color-coded end caps.
 - ◇ Provides easy wire size and die code identification plus prevents foreign materials from entering and contaminating the connector prior to usage.
- Connector is clearly marked with wire size, die index and the proper number and location of crimps.
 - ◇ Provides easy identification and tooling recommendation. Proper compression forms a homogeneous mass resulting in an excellent electrical connection.

C-123

CATALOG NUMBER	CODE • CONDUCTOR	DIMENSIONS		INSTALLATION TOOLING ▲					
				DIELESS		Y35, ■ Y39, Y750, Y46*		DIE INDEX & EMBOSSEMENT ▲	WIRE STRIP LENGTH
				MECHANICAL HYTOOL	HYDRAULIC HYPRESS	DIE NUMBER (# OF CRIMPS PER END)	COLOR CODE		
YS12AG1	#12 str.	.39	1.03	Ratchet MR8-27 (1)-Crimp	—	—	①	—	5/8"
YS10WAG1 ‡	#10 str.	.44	1.12	MY29-3 (1) Crimp Per End	Y644M (1) Crimp Per End	U8CABT (1)	Blue	374	5/8"
YS8CA1	8 str.	.59	1.44			U6CABT (1)	Gray	346	3/4"
YS6CA1	6 str.	.72	1.70			U4CABT (1)	Green	375	7/8"
YS4CA1	4 str.	.86	1.97			U2CABT (1)	Pink	348	1-1/8"
YS2CA1	2 str.	1.09	2.44			U1CART (1)	Gold	471	15/16"
YS1CA1	1 str.	.90	2.05			U25ART (1)	Tan	296	1-1/16"
YS25A1	1/0 str.	1.06	2.37						

◆ See tooling section of this catalog for complete tool and die listing.

① No color code assigned.

‡ UL Listed for Aluminum only, Not CSA Certified.

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

■ The largest 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 for 700 kcmil in 750 kcmil barrel).

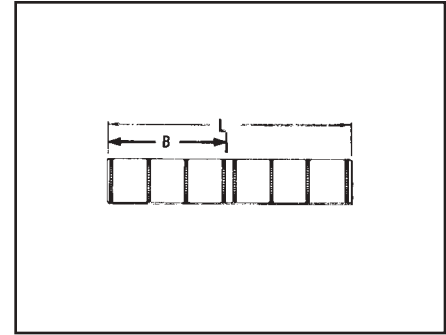
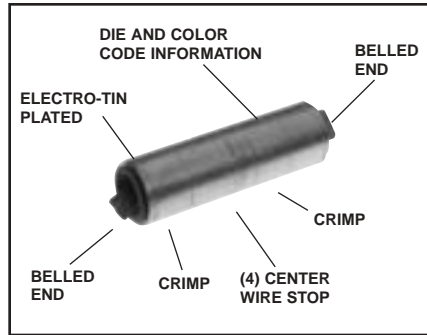
TYPE YS-A (Continued)

HYLINK™

UNINSULATED ALUMINUM COMPRESSION SPLICE

UL Listed 90° C,
600 Volts to 35 KV◆

C-124



CATALOG NUMBER	CODE CONDUCTOR	DIMENSIONS		INSTALLATION TOOLING ▲					
				DIELESS		Y35, ■ Y39, Y750, Y46*, Y60BHU		DIE INDEX & EMBOSSEMENT ▲	WIRE STRIP LENGTH
				MECHANICAL HYTOOL	HYDRAULIC HYPRESS	DIE NUMBER (# OF CRIMPS PER END)	COLOR CODE		
YS26A1	2/0 str.	1.18	2.61	MY29-3 (2) Crimps Per End	Y644M (1) Crimp Per End	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	U28ART (2)		White	298	1-5/8"	
YS29A1	250 kcmil	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	U31ART (2)		Brown	299	2-1/8"	
YS32A1	400 kcmil	2.30	4.86	U32ART (4)		Green	472	2-1/2"	
YS34A1	500 kcmil	2.38	5.00	U34ART (4)		Pink	300	2-5/8"	
YS36A1	600 kcmil	2.44	5.14	U36ART (4)		Black	473	2-7/8"	
YS39A1*	700/750 kcmil	2.50	5.26	-		U39ART-2 (4)	Yellow	936	2-7/8"
YS39AM1*	700/750 kcmil	2.63	5.58		P39ART** (4)	Red	301	2-7/8"	
YS44A1	1000 kcmil	2.84	5.94		P44ART** (4)	Brown	302	3"	
YS45A1	1250 kcmil	2.84	6.21		P48PR1/L44ART**	Brown	302	2-7/8"	
YS46A1	1500 kcmil	3.40	7.05		L46ART***	Blue	478	3-3/8"	
YS47A1	1750 kcmil	3.99	8.31		L47ART***	White	587	4"	
YS48A1	2000 kcmil	3.66	7.58		L48ART***	Red	479	3-5/8"	
YS483A1	2250 kcmil ALUMINUM ONLY	3.66	7.58		L48ART***	Red	479	3-5/8"	

▲ 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 adaptor not required.

■ The largest size for the Y35 is 400 kcmil.
 *** Y60BHU only.
 90° C Rated.
 • Also accommodates compressed and compact conductors. (Except 700 kcmil in 750 kcmil barrel)

Y644M DIELESS HYPRESS™ RANGE-TAKING CAPABILITIES

The following size HYDENT™ lugs and two way splices, when crimped with the Y644M 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
				800 kcmil	800 - 500 kcmil
				1000 kcmil	1000 - 750 kcmil