

TYPE YS-A

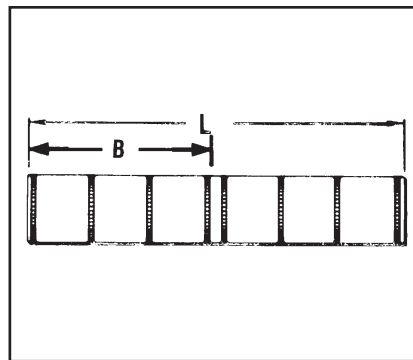
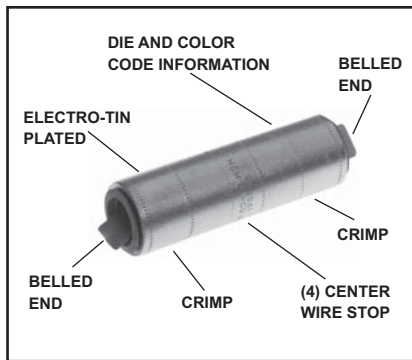
HYLINK™

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 beveled 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

Catalog Number	Code • Conductor	Dimensions		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		
YS12AG1 ‡	#12 Str.	0.45	1.03	Ratchet: MR8-27 (1)	—	—	①	—	5/8"
YS10WAG1 ‡	#10 Sol.	0.50	1.12		—	—	—	—	5/8"
YS8CA1	8 Str.	0.59	1.44	MY29-3 (1) MRC840AL (1)	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	U8CABT (1)	Blue	374	5/8"
YS6CA1	6 Str.	0.72	1.70		U6CABT (1)	Gray	346	3/4"	
YS4CA1	4 Str.	0.86	1.97		U4CABT (1)	Green	375	7/8"	
YS2CA1	2 Str.	1.09	2.44	MY29-3 (1) MRC840AL (1)	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	U2CABT (1)	Pink	348	1-1/8"
YS1CA1	1 Str.	0.90	2.05		U1CART (1)	Gold	471	15/16"	
YS25A1	1/0 Str.	1.06	2.37		U25ART (1)	Tan	296	1-1/16"	

▲ 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).

Note: All dimensions shown are for reference only.

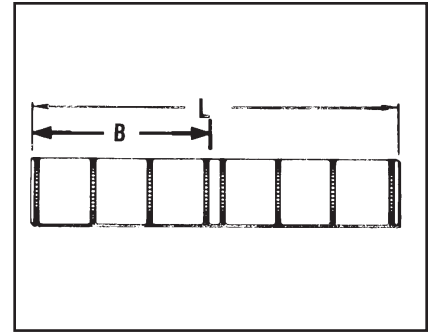
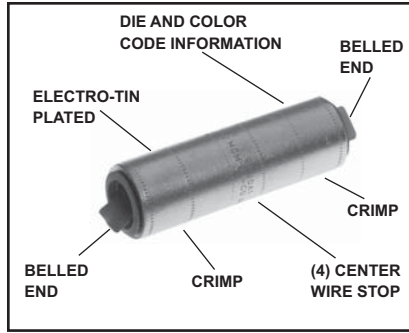
Blue highlighted items are industry standard and most frequently ordered.

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	303
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.