

Compression Connections

Copper — Code
Long Barrel Splice

TYPE YS

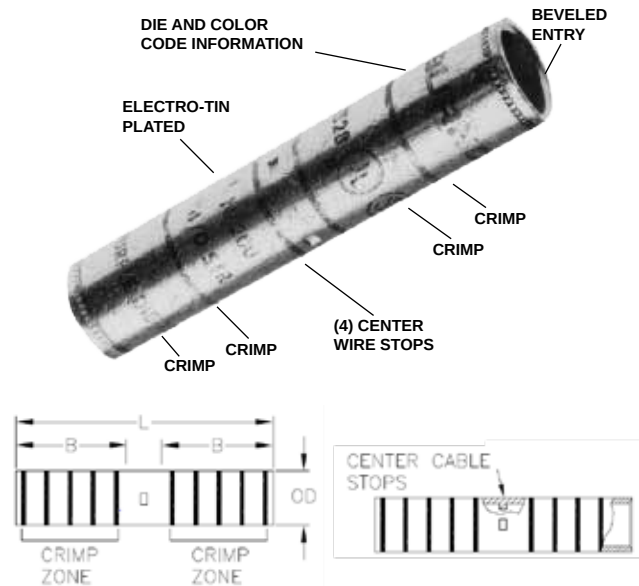
HYLINK™ Splice, Long Barrel

UL Listed 90° C, Up to 35 kV ♦



Features & Benefits

- Copper seamless barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire,
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Barrel is color coded to ensure proper die and installation tooling is selected
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire



Catalog Number	Conductor		Outside Diameter (O.D.)	Dimensions			Installation Tooling ▲						Wire Strip Length	
	Code (B, C)	mm²		L	B		Dieless (# of crimps)	Mechanical			35 ■, 750, 46* Series			▲ Die Index
								Y1MRTC	MD734R	MD6 OUR840	Die Number (# crimps)	Color Code		
YS8C	8 AWG	10	0.27	1.75	0.78	81K Series (1)	Y1MRTC (2)	W8CVT (2)	X8CRT (2)	U8CRT (2)	Red	49	7/8	
YS6C	6 AWG	—	0.29	2.38	1.09			W5CVT (2)	X5CRT (2)	U5CRT (2)	Blue	7	1-3/16	
YS5C	5 AWG	16	0.30	2.55	1.09			W5CVT (2)	X5CRT (2)	U5CRT (2)	Blue	7	1-3/16	
YS4C	4 AWG	—	0.34	2.55	1.09			W4CVT (2)	X4CRT (2)	U4CRT (2)	Gray	8	1-3/16	
YS3C	3 AWG / 2 Sol	25	0.38	2.80	1.22	81K Series (2)	Y1MRTC (4)	—	W3CRT (2)	—	White	9	1-5/16	
YS2C	2 AWG	35	0.42	2.82	1.22			W2CVT (2)	X2CRT (2)	U2CRT (2)	Brown	10	1-5/16	
YS1C	1 AWG	50	0.46	3.07	1.34			W1CVT (2)	X1CRT1 (2)	U1CRT1 (2)	Green	11	1-7/16	
YS25	1/0 AWG	—	0.51	3.08	1.34			—	W25VT (4)	X25RT (4)	U25RT (2)	Pink	12	1-7/16
YS26	2/0 AWG	70	0.56	3.30	1.45		—	W26VT (4)	X26RT (4)	U26RT (2)	Black	13	1-9/16	
YS27	3/0 AWG	—	0.62	3.30	1.45		—	W27VT (4)	X27RT (4)	U27RT (2)	Orange	14	1-9/16	
YS28	4/0 AWG	—	0.69	3.57	1.58		—	W28VT (4)	X28RT (4)	U28RT (2)	Purple	15	1-11/16	
YS29	250 kcmil	120	0.75	3.58	1.58		—	W29VT (4)	—	U29RT (2)	Yellow	16	1-11/16	
YS30	300 kcmil	150	0.81	4.34	1.95	81K Series (3)	—	W30VT (4)	—	U30RT (4)	White	17	2-1/16	
YS31	350 kcmil	185	0.88	4.35	1.95		—	W31VT (4)	—	U31RT (4)	Red	18	2-1/16	
YS32	400 kcmil	—	0.95	4.62	2.08		—	W32VT (4)	—	U32RT (4)	Blue	19	2-3/16	
YS34	500 kcmil	240	1.06	4.91	2.20		—	W34VT (4)	—	U34RT (4)	Brown	20	2-5/16	
YS36	600 kcmil	300	1.18	5.85	2.63	81K Series (4)	—	—	—	U36RT (4)	Green	22	2-3/4	
YS39	750 kcmil	—	1.30	6.38	2.81		—	—	—	U39RT (4)	Black	24	2-15/16	
YS44	1000 kcmil	500	1.49	6.55	2.94		—	—	—	P44RT (6)	White	27	3-1/16	
YS46	1500 kcmil	—	1.84	7.01	3.13		—	—	—	P46RT (6)	Green	31	3-1/4	
YS48	2000 kcmil	—	2.12	7.57	3.27	—	—	—	—	† L48RT (4)	Brown	34	3-3/8	

♦ Not color coded.

* Use PUADP1 adapter with U dies in 46 Series.

** P44RT for use with 46 Series tooling only. PUADP1 adapter not required.

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor.

■ The maximum size for the Y35 is 400 kcmil.

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

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

† Requires 60 Ton Series with L48RT die set.

Note: All dimensions shown are for reference only.

TYPES YSV-FX, YS-FX

HYLINK™



UL Listed 90° C, Up to 35 kV ♦

Types YSV-FX and YS-FX long barrel splices for flex conductor accommodate a wide range of conductor types. Feature an internal chamfer at wire entry site to provide a smooth insertion of wire. UL486A-486B Listed and CSA Certified; UL Listed 90°C, up to 35kV.



▲ See Copper Flex Long Barrel Splice Tooling Table and Instructions in this section for complete tool and die listing information.

Catalog Number	Figure #	Code Conductor (B/C)	Flex Conductor (G, H, I, K, M, DLO)	Metric Conductor (MM²)	Color Code	Die Index	Dimensions			Wire Strip Length
							Outside Diameter (OD)	Barrel Length (B)	Overall Length (L)	
YS8C	1	#8 AWG	#8 AWG G,H,I,K,M,DLO	10	Red	49	0.27	0.78	1.75	7/8
YSV6CFX		#6 AWG	#6 AWG G,H,I,K,M,DLO	16	Blue	7	0.31	1.09	2.53	1-1/4
YSV4CFX		#4 AWG	#4 AWG G,H,I,K,M,DLO	—	Gray	8	0.38	1.22	2.80	1-1/4
YSV3CFX		#3 AWG	#3 AWG G,H,I,K,M,DLO	—	White	9	0.42	1.22	2.82	1-3/8
YSV2CFX		#2 AWG	#2 AWG G,H,I,K,M,DLO	35	Brown	10	0.46	1.34	3.06	1-1/2
YSV1CFX		#1 AWG	#1 AWG G,H,I,K,M,DLO	—	Green	11	0.51	1.34	3.08	1-1/2
YSV25FX		1/0 AWG	1/0 AWG G,H,I,K,M,DLO	50	Pink	12	0.56	1.45	3.30	1-5/8
YSV26FX		2/0 AWG	2/0 AWG G,H,I,K,M,DLO	70	Black	13	0.63	1.45	3.30	1-5/8
YSV27FX		3/0 AWG	3/0 AWG G,H,I,K,M,DLO	95	Orange	14	0.70	1.45	3.30	1-5/8
YSV28FX		4/0 AWG	4/0 AWG G,H,I,K,M,DLO	120	Purple	15	0.77	1.45	3.30	1-5/8
YSV29FX		250 kcmil	4/0 AWG G,H,I,K,M,DLO	—	Yellow	16	0.80	1.45	3.30	1-5/8
YS30FX	2	—	250 kcmil G,SH	—	Yellow	16	0.81	1.95	4.34	2-1/8
YS31FX		—	250 kcmil I,K,M, 262 DLO	150	White	17	0.88	1.95	4.35	2-1/8
YS32FX		—	300 kcmil G,H,I,K,M 313 DLO	185	Red	18	0.95	2.08	4.62	2-1/4
YS34FX		—	350 kcmil G,H,I,K,M 373 DLO	240	Blue	19	1.06	2.20	4.91	2-1/4
YS36FX		—	500 kcmil G&H 444 DLO	—	Brown	20	1.19	2.63	5.85	2-3/4
YS38FX		—	500 kcmil H,I,K 550 kcmil G,H,I 535 DLO	300	Pink	L99	1.25	2.75	6.10	2-7/8
YS40FX		—	650 kcmil G 646 DLO	400	Black	24	1.35	2.88	6.38	3
YS44FX		—	750 kcmil G,H,I 777 DLO	500	Yellow	L115	1.50	2.94	6.53	3-1/8

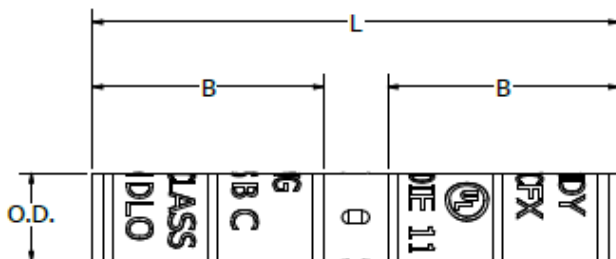


Figure 1

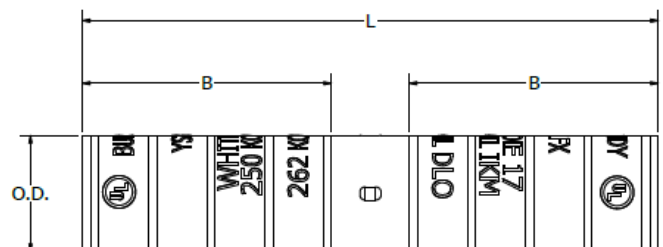


Figure 2