

EXPANDED RANGES

The following list of connector types can accommodate a range of conductors when crimped using the 4-POINT® (81K or 4PC) family of tools:



COPPER CONNECTORS

Copper Conductor (Class B&C)**							
Copper Conductor		Standard Barrel			Long Barrel		
Wire Size	Expanded Range	Terminal	Splice	# of Crimps*	Terminal	Splice	# of Crimps*
#8 AWG	#8 AWG	YA8CL-	YS8CL-	1	YA8C-	YS8C-	1
#6 AWG	#6 AWG	YA6CL-	YS6CL-	1	YA6C-	YS6C-	1
#4 AWG	#6 - #4	YA4CL-	YS4CL-	1	YA4C-	YS4C-	1
#2 AWG	#6-#2	YA2CL-	YS2CL-	1	YA2C-	YS2C-	2
#1 AWG	#6-#1	YA1CL-	YS1CL-	1	YA1C-	YS1C-	2
1/0 AWG	#6-1/0	YA25L-	YS25L-	1	YA25-	YS25-	2
2/0 AWG	#4 - 2/0	YA26L-	YS26L-	1	YA26-	YS26-	2
3/0 AWG	#2 - 3/0	YA27L-	YS27L-	2	YA27-	YS27-	2
4/0 AWG	#1 - 4/0	YA28L-	YS28L-	2	YA28-	YS28-	2
250 kcmil	1/0 - 250	YA29L-	YS29L-	2	YA29-	YS29-	2
300 kcmil	2/0 - 300	YA30L-	YS30L-	2	YA30-	YS30-	3
350 kcmil	3/0 - 350	YA31L-	YS31L-	2	YA31-	YS31-	3
400 kcmil	4/0 - 400	YA32L-	YS32L-	2	YA32-	YS32-	3
500 kcmil	4/0 - 500	YA34L-	YS34L-	2	YA34-	YS34-	4
600 kcmil	250 - 600	YA36L-	YS36L-	2	YA36-	YS36-	4
700 kcmil	350-700	YA38L-	YS38L-	3	YA38-	YS38-	4
750 kcmil	500-750	YA39L-	YS39L-	3	YA39-	YS39-	4
800 kcmil	500-800	YA40L-	YS40L-	3	YA40-	YS40-	4
1000 kcmil	750-1000	YA44L-	YS44L-	3	YA44-	YS44-	4

ALUMINUM CONNECTORS

Aluminum & Copper Conductor (Class B & C)**				
Copper / Aluminum Conductor		Connector		
Wire Size	Expanded Range	Terminal	Splice	# Crimps
#8 AWG	#8 AWG	YA8CA-	YS8CA-	1
#6 AWG	#6 AWG	YA6CA-	YS6CA-	1
#4 AWG	#6 - #4 AWG	YA4CA-	YS4CA-	1
#2 AWG	#6-#2 AWG	YA2CA-	YS2CA-	2
#1 AWG	#6-#1 AWG	YA1CA-	YS1CA-	2
1/0 AWG	#6-1/0 AWG	YA25A-	YS25A-	2
2/0 AWG	#4 - 2/0 AWG	YA26A-	YS26A-	2
3/0 AWG	#2 - 3/0 AWG	YA27A-	YS27A-	2
4/0 AWG	#1 - 4/0 AWG	YA28A-	YS28A-	2
250 kcmil	1/0 - 250	YA29A-	YS29A-	2
300 kcmil	2/0 - 300	YA30A-	YS30A-	2
350 kcmil	3/0 - 350	YA31A-	YS31A-	3
400 kcmil	4/0 - 400	YA32A-	YS32A-	4
500 kcmil	4/0 - 500	YA34A-	YS34A-	4
600 kcmil	250 - 600	YA36A-	YS36A-	4
750 kcmil	500-750	YA39A-	YS39A-	4



PAT81KFTLI



PAT4PC834LI

* Same number of recommended crimps for both Standard and Expanded wire ranges

** Class B - Concentric, Compressed, or Compact

TYPE YS

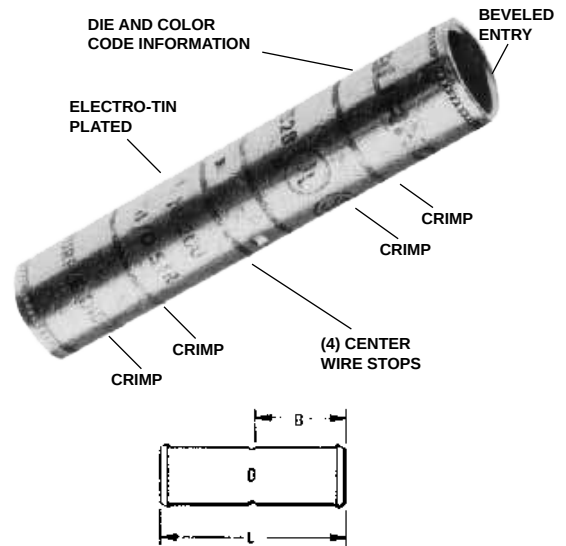
HYLINK™ Splice, Long Barrel

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		Dimensions		Installation Tooling ▲							Wire Strip Length
	AWG	mm²	L	B	Dieless (# of crimps)	Mechanical			35 ■, 750, 46* Series		▲ Die Index & Embossment	
						Y1MRTC	MD734R	MD6 OUR840	Die Number (# crimps)	Color Code		
YS8C	8 Str.	10	1.75	0.78	81K Series (1)	Y1MRTC (2)	W8CVT (2)	X8CRT (2)	U8CRT (2)	Red	49	7/8
YS6C	6 Str.	—	2.38	1.09			W5CVT (2)	X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16
YS5C	5 Str.	16	2.55	1.09			W5CVT (2)	X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16
YS4C	4 Str.	—	2.55	1.09			W4CVT (2)	X4CRT (2)	U4CRT (2)	Gray	8 or 346	1-3/16
YS3C	3 Str./2 Sol.	25	2.80	1.22	81K Series (2)	Y1MRTC (4)	—	W3CRT (2)	—	White	9	1-5/16
YR2C2WT	2 Str. - 2Sol.	25	3.03	1.25			W2CVT (2) W2CRT (2)	W2CVT (2) W2CRT (2)	U2CRT (2)	Brown	10	1-5/8
YS2C	2 Str.	35	2.82	1.22			W2CVT (2)	X2CRT (2)	U2CRT (2)	Brown	10	1-5/16
YS1C	1 Str.	50	3.07	1.34			W1CVT (2)	X1CRT1 (2)	U1CRT1 (2)	Green	11 or 375	1-7/16
YS25	1/0 Str.	—	3.08	1.34		—	W25VT (4)	X25RT (4)	U25RT (2)	Pink	12 or 348	1-7/16
YS26	2/0 Str.	70	3.30	1.45		—	W26VT (4)	X26RT (4)	U26RT (2)	Black	13	1-9/16
YS27	3/0 Str.	—	3.30	1.45		—	W27VT (4)	X27RT (4)	U27RT (2)	Orange	14	1-9/16
YS28	4/0 Str.	—	3.57	1.58		—	W28VT (4)	X28RT (4)	U28RT (2)	Purple	15	1-11/16
YS29	250 kcmil	120	3.58	1.58		—	W29VT (4)	—	U29RT (2)	Yellow	16	1-11/16
YS30	300 kcmil	150	4.34	1.95	81K Series (3)	—	W30VT (4)	—	U30RT (4)	White	17 or 298	2-1/16
YS31	350 kcmil	185	4.35	1.95		—	W31VT (4)	—	U31RT (4)	Red	18 or 324	2-1/16
YS32	400 kcmil	—	4.62	2.08		—	W32VT (4)	—	U32RT (4)	Blue	19 or 470	2-3/16
YS34	500 kcmil	240	4.91	2.20	81K Series (4)	—	W34VT (4)	—	U34RT (4)	Brown	20 or 299	2-5/16
YS36	600 kcmil	300	5.85	2.63		—	—	—	U36RT (4)	Green	22 or 472	2-3/4
YS39	750 kcmil	—	6.38	2.81		—	—	—	U39RT (4)	Black	24	2-15/16
YS44	1000 kcmil	500	6.55	2.94		—	—	—	P44RT (2)	White	27	3-1/16
YS46	1500 kcmil	—	7.01	3.13	—	—	—	P46RT (6)	Green	31	3-1/4	
YS48	2000 kcmil	—	7.57	3.27	—	—	—	† L48RT (4)	Brown	34	3-3/8	

① 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.