

Compression Connections

Expanded Compression Ranges
using 444S and 644 Series Dieless Tools

EXPANDED RANGES



The following list of connector types can accommodate a range of conductors when crimped using the 644 and 444S family of tools:

COPPER CONNECTORS

Copper HYLUG™ & HYLINK™ Connectors Types YA, YA-L, YAB, YS, YS-L, YSR, YST, YS-T, YSP-T			
Catalog No.		Copper Wire Size	Copper Expanded Wire Range
Terminal*	Splice**		
YA4C- YA3C- YA2C- YA1C-	YS4C- YS3C- YS2C- YS1C-	#4 AWG #3 AWG #2 AWG #1 AWG	#4 AWG #3 - #4 AWG #2 - #4 AWG #1 - #4 AWG
YA25- YA26- YA27- YA28-	YS25- YS26- YS27- YS28-	1/0 AWG 2/0 AWG 3/0 AWG 4/0 AWG	1/0 - #4 AWG 2/0 - #4 AWG 3/0 - #2 AWG 4/0 - #1 AWG
YA29- YA30- YA31- YA32- YA34-	YS29- YS30- YS31- YS32- YS34-	250 kcmil 300 kcmil 350 kcmil 400 kcmil 500 kcmil	250 kcmil - 1/0 AWG 300 kcmil - 2/0 AWG 350 kcmil - 3/0 AWG 400 kcmil - 4/0 AWG 500 kcmil - 4/0 AWG
YA36- YA39- YA40-	YS36- YS39- YS40-	600 kcmil 750 kcmil 800 kcmil	600 - 250 kcmil 750 - 500 kcmil 800 - 500 kcmil
YA44-	YS44-	1000 kcmil	1000 - 750 kcmil

* 1 Crimp

** 1 Crimp per side

ALUMINUM CONNECTORS

Aluminum HYLUG™ & HYLINK™ Connectors Types YA-A & YS-A			
Catalog No.		Copper or Aluminum Wire Size	Copper or Aluminum Expanded Wire Range
Terminal*	Splice**		
YA6CA- YA4CA- YA2CA- YA1CA-	YS6CA- YS4CA- YS2CA- YS1CA-	#6 AWG #4 AWG #2 AWG #1 AWG	#6 AWG #4 - #6 AWG #2 - #6 AWG #1 - #2 AWG
YA25A- YA26A- YA27A- YA28A-	YS25A- YS26A- YS27A- YS28A-	1/0 AWG 2/0 AWG 3/0 AWG 4/0 AWG	1/0 - #1 AWG 2/0 - #1 AWG 3/0 - #1 AWG 4/0 - #1 AWG
YA29A- YA30A- YA31A- YA32A- YA34A-	YS29A- YS30A- YS31A- YS32A- YS34A-	250 kcmil 300 kcmil 350 kcmil 400 kcmil 500 kcmil	250 kcmil - 1/0 AWG 300 kcmil - 2/0 AWG 350 kcmil - 3/0 AWG 400 kcmil - 4/0 AWG 500 kcmil - 4/0 AWG
YA36A- YA39A- YA40A- YA42A- †	YS36A- YS39A- YS40A- YS42A- ‡	600 kcmil 750 kcmil 800 kcmil 900 kcmil ▲	600 - 250 kcmil 750 - 500 kcmil 800 - 500 kcmil 900 - 600 kcmil
YA44A-	YS44A-	1000 kcmil	1000 - 750 kcmil

* 1 Crimp

** 1 Crimp per side

▲ 900 AL only

† 2 Crimps

‡ 2 Crimps per side

AYPI/AYPO ALUMINUM CONNECTORS

(Aluminum Conductor Only)				
Wire Size	Expanded Range	Pin		# Crimps
		Straight	Offset	
#6 AWG	#6 AWG	AYP6	—	1
#4 AWG	#4 AWG	AYP4	—	1
#2 AWG	#4 - #2 AWG	AYP2	—	1
#1 AWG	#2 - #1 AWG	AYP1	—	1
1/0 AWG	#1 - 1/0 AWG	AYP1/0	—	1
2/0 AWG	#1 - 2/0 AWG	AYP2/0	AYPO2/0	2
3/0 AWG	#1 - 3/0 AWG	AYP3/0	AYPO3/0	2
4/0 AWG	#1 - 4/0 AWG	AYP4/0	AYPO4/0	2
250 kcmil	1/0 - 250 kcmil	AYP250	AYPO250	2
300 kcmil	2/0 - 300 kcmil	AYP300	AYPO300	2
350 kcmil	3/0 - 350 kcmil	AYP350	AYPO350	2
400 kcmil	4/0 - 400 kcmil	AYP400	AYPO400	2
500 kcmil	4/0 - 500 kcmil	AYP500	AYPO500	2
600 kcmil	250 - 600 kcmil	AYP600	AYPO600	3
750 kcmil	500 - 750 kcmil	AYP750	AYPO750	3



TYPE YS

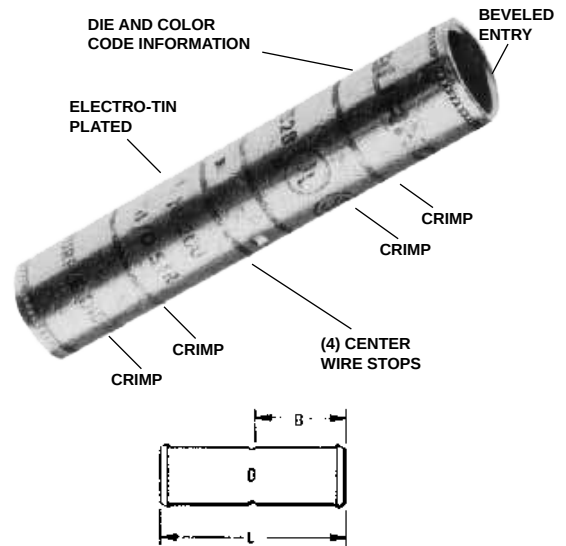
HYLINK™ Splice, Long Barrel

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.