

### EXPANDED RANGES

The following connectors are range taking when crimped onto code conductor using 644 family of tools:



#### COPPER

#### ALUMINUM

C-6

Copper HYLUG™ & HYLINK™ Connectors Types YA, YA-L, YAB, YS, YS-L, YST, YS-T, YSP-T			
Catalog No.		Standard Wire Size	Expanded Wire Range
Terminal*	Splice**		
YA6C- YA5C- YA4C- YA3C- YA2C- YA1C-	YS6C- YS5C- YS4C- YS3C- YS2C- YS1C-	#6 AWG #5 AWG #4 AWG #3 AWG #2 AWG #1 AWG	#6 AWG #5 - #6 AWG #4 - #6 AWG #3 - #6 AWG #2 - #6 AWG #1 - #6 AWG
YA25- YA26- YA27- YA28-	YS25- YS26- YS27- YS28-	1/0 AWG 2/0 AWG 3/0 AWG 4/0 AWG	1/0 - #6 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

Aluminum HYLUG™ & HYLINK™ Connectors Types YA-A & YS-A (Copper or Aluminum Conductor)			
Catalog No.		Standard Wire Size	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

\* 1 Crimp  
\*\* 1 Crimp per side  
▲ 900 AL only  
† 2 Crips  
‡ 2 Crips per side

### AYP/APO CONNECTORS

(Aluminum and Copper — Code & Compact)				
Wire Size	Expanded Range	Pin		# Crips
		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	#2 - 1/0 AWG	AYP1/0	—	1
2/0 AWG	#1 - 2/0 AWG	AYP2/0	AYPO2/0	2
3/0 AWG	1/0 - 3/0 AWG	AYP3/0	AYPO3/0	2
4/0 AWG	2/0 - 4/0 AWG	AYP4/0	AYPO4/0	2
250 kcmil	3/0 - 250 kcmil	AYP250	AYPO250	2
300 kcmil	4/0 - 300 kcmil	AYP300	AYPO300	2
350 kcmil	250 - 350 kcmil	AYP350	AYPO350	2
400 kcmil	350 - 500 kcmil	AYP400	AYPO400	2
500 kcmil	350 - 500 kcmil	AYP500	AYPO500	2
600 kcmil	400 - 600 kcmil	AYP600	AYPO600	3
750 kcmil	500 - 750 kcmil	AYP750	AYPO750	3



**EXPANDED RANGES**

The following connectors are range taking when crimped onto code & flex conductor using 4-POINT® (81 or 4PC) family of tools:



PAT81KFTLI



PAT4PC834LI



**ALUMINUM CONNECTORS**

Aluminum & Copper Conductor (Code & Compact)				
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

**COPPER CONNECTORS**

Copper Conductor (Code & Compact)							
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

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

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

### TYPE YALB-2M

Rated for 90° C, Up to 35 kV ♦

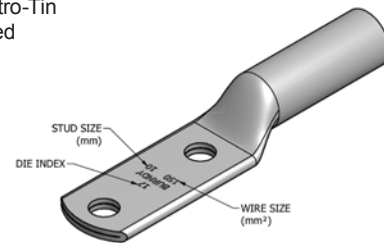
Made from electrolytic copper tube and is electro tin plate. Wire range is from 10 mm<sup>2</sup> to 630 mm<sup>2</sup> Class 2. Compatible to IEC61238-1.

**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

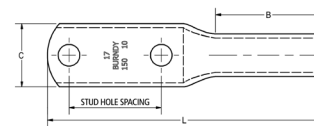
### Features & Benefits

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Compatible Standards: IEC61238-1, UL 486A-486B, CSA-C22.2 No. 65-03
- Connectors are clearly marked with stamping

Electro-Tin  
Plated

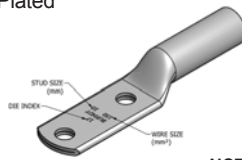


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**TWO HOLE HYLUG™  
CODE CONDUCTOR LONG  
BARREL**

Electro-Tin  
Plated



**TYPE YALB-2M**

Rated for 90° C, Up to 35 kV ♦

(Continued)

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

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Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)			Installation Tooling				Wire Strip Length (mm)		
				Tongue Thickness	(B)	(C)	(L)	Dieless*	Mechanical			Hydraulic	Die Index
									MD6, OUR840, MD7-34R	PAT600, Y500CTHS	Y35, Y39, Y750, PAT750, Y46**, PAT46**		
YALB702M6	70	M6	44.5	3.0	38.1	21.1	110.0	MY29-11 (2) MRC840 (4) Y / PAT644 (1) Y / PAT81KFT (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	13	40
YALB702M8		M8	44.5	3.0	38.1	21.1	111.8						
YALB702M10		M10	44.5	3.0	38.1	21.1	114.8						
YALB702M12		M12	44.5	3.0	38.1	21.1	121.4						
YALB702M14		M14	44.5	3.0	38.1	21.1	122.2						
YALB702M16		M16	44.5	3.0	38.1	21.1	130.8						
YALB952M8	95	M8	44.5	3.3	38.1	23.6	113.0	MY29-11 (2) MRC840 (4) Y / PAT644 (1) Y / PAT81KFT (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	14	40
YALB952M10		M10	44.5	3.3	38.1	23.6	116.1						
YALB952M12		M12	44.5	3.3	38.1	23.6	122.4						
YALB952M14		M14	44.5	3.3	38.1	23.6	123.4						
YALB952M16		M16	44.5	3.3	38.1	23.6	128.8						
YALB952M20		M20	44.5	4.1	38.1	30.5	140.0						
YALB1202M8	120	M8	44.5	3.8	41.1	29.0	118.6	MY29-11 (2) MRC840 (4) Y / PAT644 (1) Y / PAT81KFT (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	15	43
YALB1202M10		M10	44.5	3.8	41.1	29.0	124.1						
YALB1202M12		M12	44.5	3.8	41.1	29.0	128.0						
YALB1202M14		M14	44.5	3.8	41.1	29.0	129.0						
YALB1202M16		M16	44.5	3.8	41.1	29.0	134.4						
YALB1202M20		M20	44.5	4.3	41.1	30.5	145.5						
YALB1502M8	150	M8	44.5	4.1	50.8	30.5	128.8	MY29-11 (2) MRC840 (4) Y / PAT644 (1) Y / PAT81KFT (2)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	17	52
YALB1502M10		M10	44.5	4.1	50.8	30.5	131.8						
YALB1502M12		M12	44.5	4.1	50.8	30.5	138.2						
YALB1502M14		M14	44.5	4.1	50.8	30.5	139.2						
YALB1502M16		M16	44.5	4.1	50.8	30.5	145.3						
YALB1502M20		M20	44.5	4.1	50.8	30.5	156.2						
YALB1852M8	185	M8	44.5	4.3	50.8	32.8	129.8	MY29-11 (2) MRC840 (4) Y / PAT644 (1) Y / PAT81KFT (2)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	18	52
YALB1852M10		M10	44.5	4.3	50.8	32.8	132.8						
YALB1852M12		M12	44.5	4.3	50.8	32.8	139.2						
YALB1852M14		M14	44.5	4.3	50.8	32.8	139.7						
YALB1852M16		M16	44.5	4.3	50.8	32.8	145.5						
YALB1852M20		M20	44.5	4.3	50.8	32.8	156.7						

\* Use equivalent AWG setting on tool for installation

\*\* PUADP-1 Adaptor is required to use "U" Dies in Y46 and PAT46 series tools

† P-RT Die sets for use in Y46 only, PUADP-1 Adaptor not required