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## COMPRESSION CONNECTORS

C-4

BURNDY® compression connectors are designed for reliable and controllable electrical connections. The complete installation is fully inspectable. They are high conductivity copper and operate cooler than the wire on which they are installed. The connectors withstand a wide range of electrical and environmental conditions, including current surges, temperatures, corrosion and vibrations, for a wide variety of applications. These features mean a consistently high quality connection at a low installed cost.

Copper compression connectors are manufactured from high-conductivity electrolytic copper. The connectors are normally tin-plated, lead-plated, or plated with proprietary BURNDY® brite finish to provide durable long-lasting corrosion resistance. The connector design has been matched to the cable size to provide the necessary physical strength requirements for reliable electrical performance.

Aluminum compression connectors are manufactured from high conductivity, high purity wrought aluminum. They are designed with sufficient mass and are electro-tin plated to minimize corrosion due to galvanic action between dissimilar metals. The connector barrels are pre-filled with PENETROX™, BURNDY oxide inhibiting compound.

PENETROX™ contains homogeneously suspended metallic particles which penetrate the wire's oxides to establish excellent continuity between the individual strands and the connector barrel for a low-resistance connection. PENETROX™ maintains an air-tight connection. Each barrel end is covered with a color-coded plastic dust cap which prevents foreign matter from entering the connector before it is used. The connector design has been engineered to match the cable size to provide the necessary physical strength requirements for reliable electrical performance.

### Connector Ampacity Rating

Per NEC 110.14(C) Provision (2) installed pressure connectors shall be used with conductors at the ampacities not exceeding the ampacity at the listed and identified temperature rating of the connector. Most BURNDY connector temperature ratings in this section, are rated 90°C, therefore the connector is rated to accommodate the ampacity of a conductor operating at or below 90°C.

## SELECTION AND USE

Copper compression connectors are recommended for use on copper conductors. Aluminum compression connectors are recommended for use on aluminum conductors. Dual-rated aluminum compression connectors may be used on both copper and aluminum conductors.

Two basic compression designs are available: Circumferential and indent.



After compression, virtually all the air is removed leaving a tight homogeneous mass of connector and conductor.

The circumferential crimp design is recommended for color coded connectors in low and high voltage applications. Die index number embossment provides an easy inspection where required to verify the use of the proper connector/die combination. It is also recommended for insulated connectors and for terminating flexible and welding cables.

The circumferential crimp design dies compress cable strands into polygonal shapes forming intimate contact with each other and the connector barrel. This compression forms a tight homogeneous mass with virtually no air pockets. The circumferential crimp provides an excellent electrical connection with high pull-out values. The circumferential crimp is ideal for high voltage applications leaving the connector barrel symmetrical, which is easier to insulate.

The indent type crimp can be used in virtually any application except polyvinylchloride (PVC) insulated terminals and splices. It is an excellent means of terminating flexible, extra flexible and welding cables. The indenter compresses the cable strands to form intimate contact with each other and the connector barrel. The result is an excellent electrical connection with high pull-out strength. Laboratory work testing curves established the proper depth and shape of indent for each type of connector and wire combination.

## TOOLING

Tooling systems are essential for proper installation of a compression connector. Since connectors and dies are designed as a unit for specific wire sizes, only the recommended tools and dies should be used. Most aluminum and copper HYLUG™ terminals and HYLINK™ splices are marked with a die index number and are color-coded to identify the correct installation die. Dies marked with the matching die index number and color can be used to install the connector.

BURNDY® tooling installs a wide range of connectors, is reliable, cost effective, and precision engineered for durable, long-lasting service and quality connections. The tools include small plier types, full cycle ratchet designs and hydraulically-powered HYPRESS™ heads and new Battery Actuated Tools. Some have permanent die grooves or adjustable dies, while others require a change of die sets or nest die for each connector size. BURNDY recommended tools achieve crimp performance consistent with UL and other industry standards. Since several tools are suitable for most connectors, the most economical and practical tool can be chosen for each application.

## INSTALLATION HARDWARE

See the Hardware Section or Reference Section of the BURNDY Master Catalog for information on Recommended Hardware Materials and Tightening Torque Values.

## INDUSTRY STANDARDS

BURNDY compression terminals, splices, and tap connectors requiring third party testing and approval are listed by Underwriters Laboratories, Inc. (UL), and/or Canadian Standards Association (CSA), and all conform to the applicable sections of the National Electrical Code (NEC).

Per UL486A-486B - Wire Connectors (1.3) standard, this standard is intended for connectors suitable for currents not exceeding the ampacity of insulated conductors rated 75°C or 90°C in accordance with the rating of the connector, if provided.

BURNDY® also offers connectors and splices which meet the (LOCA Seismic and Aging) requirements of IEEE standards 323, 383 and 344 for class 1E critical circuits for use in Nuclear Utility Applications. Certification to 10CFR50 and 10CFR21 available.

Detail catalog listings should be consulted to obtain the appropriate standards for each connector and splice.

**BURNDY®**  
**Telecommunications**  
**Connectors...**

**The industry's first choice in compression connections...**

BURNDY® provides a complete selection of one and two hole compression's terminals, H-taps, C-taps, and other compression connection products specifically engineered to meet the demanding applications of both the Central Office and Wireless communications markets.

All of the BURNDY compression products are designed for reliable and controllable electrical connections. All connectors are made from high conductivity electrolytic copper and operate at cooler temperatures than the conductor on which they are installed. The connectors are normally tin-plated, lead-plated, or plated with a proprietary BURNDY® brite finish to provide the industry standard in long-lasting corrosion resistance.

The complete installation is fully inspectable and UL Listed when installed with BURNDY® dies. Every die in the system is color-coded and provides die index embossment for complete inspectability.

**Wire Definitions**

- Copper Code Stranded Wire, as listed in this section refers to: Class B (Concentric, Compressed, Compact) or Class C, that a particular connector has been UL Listed with
- Copper Flexible Wire, as listed in this section refers to: Listed by Nominal Wire followed by the designated wire classes (G, H, I, K, M, and DLO), that a particular connector has been UL Listed with
- Aluminum Stranded Wire, as listed in this section refers to: Class B (Concentric, Compressed, Compact), that a particular connector has been UL Listed with
- Copper Clad Aluminum (CCA) Stranded Wire, as listed in this section refers to: CCA wire stranded that a particular connector has been UL Listed with

**The Circumferential Crimp...**



Circumferential compression is solid and symmetrical. No sharp flash.

The BURNDY® circumferential crimp provides a solid, homogenous connection, with high pull out values and is rated for high voltage applications, more than sufficient for the 48V DC operating voltage common in the telecom market. In addition the circumferential crimp doesn't require the removal of the copper flash produced by other die systems. This not only saves time in installation but removes a potential safety hazard from the job.

All of the dies in the system are color-coded to match the connectors and feature die index and die number matching to the connector for ease of installation.

**BURNDY® Tooling...  
 the right choice for the job**

BURNDY® tooling installs a wide range of connectors, is reliable, cost effective, and precision engineered for durable, long-lasting service and quality connections. BURNDY compression tooling system ranges from full cycle ratchet hand tools to 12 and 15 ton hydraulically-powered HYPRESS™ heads. Hydraulic tools are available in self-contained, battery powered, and AC service electrically powered pump and remote head designs to meet all possible installation situations.

**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.

Objective	Plating			
	Electro-tin	Hot Tin Dip	Nickel	Silver*
Reduce galvanic corrosion (bimetallic)	X	X	—	—
Resist corrosive elements	X	X	—	—
Increase conductivity/lower contact resistance	—	—	—	X
Provide high, continuous service temperatures (maximum)	—	—	X (650°F/343°C)	X (500°F/260°C)

**\*Note:** Never connect an aluminum surface to a silver plated surface. Aluminum in contact with silver results in a highly corrosive joint, which will further result in a high resistance connection.

### 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 Crimps

‡ 2 Crimps per side

### AYP/APO CONNECTORS

(Aluminum and Copper — Code & Compact)				
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	#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



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



**EXPANDED RANGES**

**COPPER CONNECTORS**

C-8

Copper Conductor (Flex Only)								
Nom Flex Wire Size	Standard Barrel				Long Barrel			
	Expanded Range	Terminal	Splice	# of Crimps	Expanded Range	Terminal	Splice	# of Crimps
#8 AWG	#8 AWG	YAV8CL-	YSV8CL-	1	#8 AWG	YAV8C-	YSV8C-	1
#6 AWG	#6 AWG	YAV6CL-	YSV6CL-	1	#6 AWG	YAV6C-	YSV6C-	1
#4 AWG	#6 - #4 AWG	YAV4CL-	YSV4CL-	1	#6 - #4 AWG	YAV4C-	YSV4C-	1
#2 AWG	#6 - #2 AWG	YAV2CL-	YSV2CL-	1	#6 - #2 AWG	YAV2C-	YSV2C-	1
#1 AWG	#4 - #1 AWG	YAV1CL-	YSV1CL-	1	#4 - #1 AWG	YAV1C-	YSV1C-	1
1/0 AWG	#4 - 1/0 AWG	YAV25L-	YSV25L-	1	#4 - 1/0 AWG	YAV25-	YSV25-	2
2/0 AWG	#2 - 2/0 AWG	YAV26L-	YSV26L-	1	#4 - 2/0 AWG	YAV26-	YSV26-	2
3/0 AWG	#1 - 3/0 AWG	YAV27L-	YSV27L-	1	#2 - 3/0 AWG	YAV27-	YSV27-	2
4/0 AWG	1/0 - 4/0 AWG	YAV28L-	YSV28L-	1	#1 - 4/0 AWG	YAV28-	YSV28-	2
250 kcmil	3/0 AWG - 250 kcmil	YAV29L-	YS29L-	1	1/0 AWG - 250 kcmil	YAV29-	YS29-	2
300 kcmil	4/0 AWG - 313.1 kcmil	YA32L-	YS32L-	1	2/0 AWG - 313.1 kcmil	YA32-	YS32-	2
350 kcmil	262.2 - 373.7 kcmil	YA34L-	YS34L-	1	3/0 AWG - 373.7 kcmil	YA34-	YS34-	2
450 kcmil	373.7 - 444.4 kcmil	YA36L-	YS36L-	1	262.2 - 444.4 kcmil	YA36-	YS36-	2
450 kcmil	262.2 - 444.4 kcmil	YA36L-	YS36L-	2				
500 kcmil	444.4 - 535.3 kcmil	YA38L-	YS38L-	1	373.7 - 535.3 kcmil	YA38-	YS38-	2
500 kcmil	373.7 - 535.3 kcmil	YA38L-	YS38L-	2				
600 kcmil	373.7 - 600 kcmil	YA39L-	YS39L-	2	262.2 - 600 kcmil	YA39-	YS39-	3
650 kcmil	444.4 - 646 kcmil	YA40L-	YS40L-	2	444.4 - 646 kcmil	YA40-	YS40-	3
750 kcmil	535.3 - 777.7 kcmil	YA44L-	YS44L-	2	535.3 - 777.7 kcmil	YA44-	YS44-	3

**COPPER CONNECTORS**

E-Line Connectors							
Wire Size	Expanded Wire Range	Aluminum			Copper		
		Offset Cat. No.	Center formed Cat. No.	No. of Crimps	Offset Cat. No.	Center formed Cat. No.	No. of Crimps
#8 AWG	#8 AWG	YA8CA-T-E		1			
#6 AWG	#6 AWG						
#4 AWG	#6 - #4						
#2 AWG	#6-#2	YA2CA-T-E	YAC2CA-T-E	1			
#1 AWG	#6-#1						
1/0 AWG	#6-1/0	YA25A-T-E		1	YA25L-T-E	YAC25L-T-E	1
2/0 AWG	#4 - 2/0	YA26A-T-E		2	YA26L-T-E	YAC26L-T-E	1
3/0 AWG	#2 - 3/0	YA27A-T-E	YAC27A-T-E	2			
4/0 AWG	#1 - 4/0	YA28A-T-E		2			
250 kcmil	1/0 - 250						
300 kcmil	2/0 - 300	YA30A-T-E		2	YA30L-T-E	YAC30L-T-E	2
350 kcmil	3/0 - 350	YA31A-T-E	YAC31A-T-E	2			
400 kcmil	4/0 - 400	YA32A-T-E		4			
500 kcmil	4/0 - 500	YA34A-T-E		4	YA34L-T-E		2
500 kcmil	4/0-500				YA342L-T-E		2
600 kcmil	250 - 600	YA36A-T-E		4	YA36L-T-E		2
600 kcmil	250-600				YA362L-T-E		2
700 kcmil	350-700						
750 kcmil	500-750	YA39A-T-E		4	YA39L-T-E		2
750 kcmil	500-750				YA392L-T-E		2
800 kcmil	500-800						
1000 kcmil	750-1000						



**12-TON U DIES\***

**\*\*\*Fits 35, 39, 750 Series, 46 Series (with PUADP-1 Adapter)**

\*\*\*Installation tools may have "Y" or "PAT" prefix depending on type of tool platform; See Tooling Section for more information.



U die case Part# PT29291, holds up to 15 dies

Wire Size	Wire Material		
	Copper	Copper Wide Die**	Aluminum
#8 AWG	U8CRT	U8CRTW	U8CABT
#6 AWG	U5CRT	U5CRTW	U6CABT
#4 AWG	U4CRT	U4CRTW	U4CABT
#3 AWG	U3CRT	U3CRTW	N/A
#2 AWG	U2CRT	U2CRTW	U2CABT
#1 AWG	U1CRT1	U1CRT1W	U1CART
1/0 AWG	U25RT	U25RTW	U25ART
2/0 AWG	U26RT	U26RTW	U26ART
3/0 AWG	U27RT	U27RTW	U27ART
4/0 AWG	U28RT	U28RTW	U28ART
250 kcmil	U29RT	N/A	U29ART

Wire Size	Wire Material		
	Copper	Copper Wide Die**	Aluminum
300 kcmil	U30RT	N/A	U30ART
350 kcmil	U31RT		U31ART
400 kcmil	U32RT		U32ART
500 kcmil	U34RT		U34ART
535 Flex	U38XRT		N/A
600 kcmil	U36RT		U36ART
750 kcmil	U39RT		U39ART2
777 Flex	U44XRT		N/A

\* Non-tension U-type 12 ton dies for YA, YS, YA-A, YS-A style connectors  
 \*\* Wide dies are intended for use on long barrel terminals and splices (YA/YS) only.  
 Die Sets sold separately; U Die Kits also available. Note: N/A = not applicable

**W DIES**

**\*\*\*Fits Tools MD6, MD7, Y500CTHS, 500SJ, 600, and CSMD Series**

\*\*\*Installation tools may have "Y" or "PAT" prefix depending on type of tool platform; See Tooling Section for more information.



W die case Part# CASEWDIES, holds up to 24 dies

Wire Size	Wire Material		
	Copper (-VT)	Copper (-RT)	Aluminum
#8 AWG	W8CVT	W8CRT	X8CART
#6 AWG	W5CVT	W5CRT	W161
#4 AWG	W4CVT	W4CRT	W162
#3 AWG	W3CRT	W3CRT	N/A
#2 AWG	W2CVT	W2CRT	W239
#1 AWG	W1CVT	W1CRT1	W163
1/0 AWG	W25VT	W25RT	W241
2/0 AWG	W26VT	W26RT	W245
3/0 AWG	W27VT	W27RT	W166
4/0 AWG	W28VT	W28RT	W660
250 kcmil	W29VT*	W29RT*	W249
300 kcmil	W30VT*	W30RT*	N/A
350 kcmil	W31VT*	W31RT*	W31ART*
400 kcmil	W32VT*	W32RT*	N/A
450 kcmil	W33VT*	W33RT*	N/A
500 kcmil	W34VT*	W34RT*	N/A
600 kcmil	N/A	W36RT**	N/A

\* These sizes (250 - 500) for Y500CTHS, MD734, and MD734R only.  
 \*\* For 600, 500SJ series and Y500CTHS only.  
 Note: N/A = not applicable  
 Suitable for use on YA, YS, YA-A, YS-A type non-tension connectors.  
 Die Sets sold separately; W Die Kits also available

VT = "V" profile die for reduced handle force when using MD6/MD7 series tools; Twin die (includes both halves)

RT = Round die (circumferential); Twin die (includes both halves)

# Compression Connections

**BURNDY®**

## Die Index Chart

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Installation Tooling System														
Conductor		Lugs & Splices One & Two Hole			T&B Index*	Taps Thin-Wall C-taps Run=Tap, AWG only			Taps Heavy Duty C-Taps Run=Tap			Taps H-Taps Run=Tap		
AWG	Flex	Die	Color	Index	Code (Flex)	Die	Color	Index	Die	Color	Index	Die	Color	Index
#8/#6 sol	#8	W8CVT U8CRT	RED	49	21	W4CVT	GRAY	8	U240	RED	240	U11T-1	GREEN	11
#6	#6	W5CVT U5CRT	BLUE	7	24	W2CVT	BROWN	10	UC	BROWN	C	UB- GRT	ORANGE	BG
#4	#4	W4CVT U4CRT	GRAY	8	29	W25VT	PINK	12	UC	BROWN	C	UC	BROWN	C
#3/#2 sol		W3CRT U3CRT	WHITE	9	29	W26VT	BLACK	13	UC	BROWN	C	UC	BROWN	C
#2	#2	W2CVT U2CRT	BROWN	10	33	W27VT	ORANGE	14	UC	BROWN	C	UC	BROWN	C
#1	#1	W1CVT U1CRT-1	GREEN	11	33 (37)	W28VT	PURPLE	15	U997	ORANGE	997	U654	PURPLE	654
1/0	1/0	W25VT U25RT	PINK	12	37 (42)	W29VT	YELLOW	16	U997	ORANGE	997	U654	PURPLE	654
2/0	2/0	W26VT U26RT	BLACK	13	42 (45)		REFER TO CATALOG		U997	ORANGE	997	U654	PURPLE	654
3/0	3/0	W27VT U27RT	ORANGE	14	45 (50)	-	-	-	U997	ORANGE	997	U654	PURPLE	654
4/0	4/0	W28VT U28RT	PURPLE	15	50 (54)	-	-	-	U997	ORANGE	997	U654	PURPLE	654
250	4/0 / 250 class G & H	W29VT U29RT	YELLOW	16	62	-	-	-	U997	ORANGE	997	U654	PURPLE	654
300	262/250 class I, K & M	W30VT U30RT	WHITE	17	62	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
350	313	W31VT U31RT	RED	18	66	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
	350 / 373	W32VT U32RT	BLUE	19	(76)	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
500	444	W34VT U34RT	BROWN	20	76 (87)	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
	500 / 535	U38XRT	PINK	L99	(99)	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
600		U36RT	GREEN	22	87	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
700		U38RT	PINK	400	99	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
750	646	U39RT	BLACK	24	(106)	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
	750 / 777	U44XRT	YELLOW	L115	(115)									
800		P40RT	ORANGE	25	106	-	-	-	P1102	WHITE	1102	PYFR	YELLOW	KR
1000		P44RT	WHITE	27		-	-	-	P1102	WHITE	1102	PYFR	YELLOW	KR

\* Die set with a dash CK are not UL Listed. Please consult factory for further information

Bolt Equivalent	
Unified Inch Hole Size	Metric Equivalent
1/4"	M6
5/16"	M8
3/8"	M10
1/2"	M12

Bolt Equivalent	
Unified Inch Hole Size	Metric Equivalent
1/2" - NEMA (.56)	M14
5/8"	M16
7/8"	M20

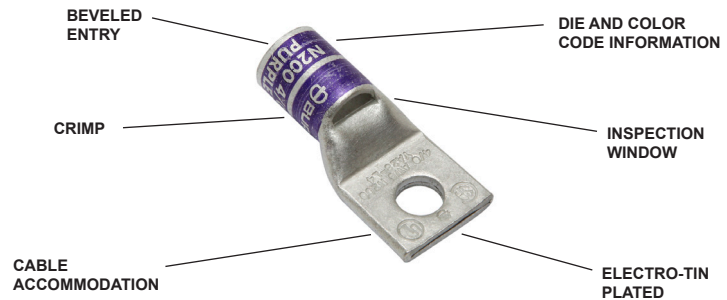
ONE HOLE HYLUG™  
CODE CONDUCTOR  
STANDARD BARREL

TYPES YA-L, YA-L-TC

UNINSULATED COPPER  
COMPRESSION TERMINAL

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles available. Please contact  
Customer Service to order : 1-800-346-4175.



C-11

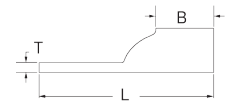


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

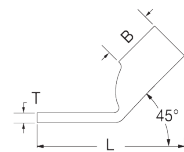
Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug; not recommended in highly corrosive environments as the wire in the barrel is exposed to corrosive elements installed
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

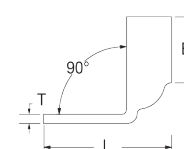
Straight



45°



90°

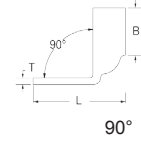
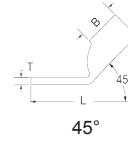
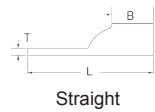


# Compression Connections

Copper Compression — Code

**BURNDY®**

## ONE HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL (Continued)



C-12

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175.



**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.

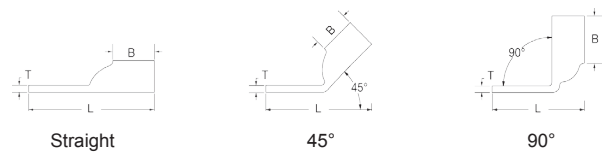
Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length		
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech.	Hydraulic		Color Code		Die Index	
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS				Y35, Y39, Y750 Y46*, PAT750
YAV10BOX	#14-#10 Str #12-#10 Sol	6	#8-#10	0.38	0.40	0.06	0.97	Non-Ratchet: Y10D, Y10-22 Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, N10HT, N10HT-24, Y122CMR	—	—	—	—	—	7/16"	
YAV10R-BOX (90°)			#8-#10	0.38	0.38	0.06	0.53								3/8"
YAV10-T2BOX			5/16	0.53	0.39	0.04	1.13								7/16"
YAV10-R3BOX (90°)			1/4	0.47	0.38	0.04	0.55								5/16
YAV10-T3BOX			1/4	0.45	0.41	0.05	1.10								7/16"
YAV10-T4BOX	6	3/8	0.55	0.45	0.04	1.17									
YA8CL-BOX	#8 AWG #8 Flex G,H,I,K,M DLO 37/24	† 10	#8-#10	0.41	0.44	0.08	1.16	Y122CMR (1) Y1MRTC (1) MY29-3 (1) MY29-11 (1) MRC840 (1) Y4PC834(1) Y8MRB-1 (1) Y81KFT (1) PAT81KFT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16	
YA8CL1-BOX			1/4	0.44	0.44	0.08	1.26								
YA8CL2-BOX			5/16	0.52	0.44	0.06	1.38								
YA8CL3-BOX			3/8	0.58	0.44	0.06	1.51								
YA8CL4-BOX			1/2	0.71	0.44	0.05	1.76								
YA6CL1-BOX	#6 AWG Str. Sol.□	—	#8-#10	0.41	0.54	0.09	1.27	Y122CMR (1) Y1MRTC (1) MY29-3 (1) MY29-11 (1) MRC840 (1) Y81KFT (1) PAT81KFT (1) Y644 (1) PAT644 (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	U5CRT (1)	Blue	7 or 374	9/16	
YA6CL-BOX			1/4	0.45	0.54	0.08	1.45								
YA6CL3-BOX			5/16	0.52	0.54	0.07	1.52								
YA6CL4-BOX			3/8	0.63	0.54	0.06	1.62								
YA6CL-6			1/2	0.75	0.54	0.12	1.87								
YA5CL	#5 AWG		1/4	0.44	0.81	0.07	1.65		W5CRT (1) W5CVT (1) X5CRT (1)	W5CRT (1) X5CRT (1) W5CVT (1)					
YA4CL1-BOX	#4 AWG	—	#8-#10	0.50	0.81	0.09	1.58	Y122CMR (2) Y1MRTC (2) MY29-3 (1) MY29-11 (1) MRC840 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1) U6CABT (1)	Gray	8	7/8	
YA4CL-BOX			1/4	0.50	0.81	0.09	1.74								
YA4CL3-BOX			5/16	0.50	0.81	0.08	1.79								
YA4CL4-BOX			3/8	0.58	0.81	0.09	1.92								
YA4CL6-BOX			1/2	0.71	0.81	0.06	2.20								
YA3CL	#3 Str #2 Sol	25	5/16	0.55	0.88	0.09	1.88		W3CRT (1)	W3CRT (1)	U3CRT (1)	White	9	15/16	

□ Y644 / PAT644 tooling not for use on 6 AWG Sol.  
 \* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

† The MM<sup>2</sup> conductor size listed is for both Class 2 and Class 5 conductor  
 ▲ 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  
**Note:** All dimensions shown are for reference only. YAV10 Series feature rounded tongues and are not ink stamped

ONE HOLE HYLUG™  
CODE CONDUCTOR  
STANDARD BARREL  
(Continued)



45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175.



**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	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index
										BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46*, PAT750			
YA2CL2-BOX	#2 AWG	35	1/4	0.61	0.88	0.11	1.88	Y122CMR (2)** Y1MRTC (2) MY29-3 (1) MY29-11 (1) MRC840 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	15/16
YA2CL-BOX			5/16	0.61	0.88	0.11	1.93							
YA2CL4-BOX			3/8	0.61	0.88	0.11	2.06							
YA2CL6-BOX			1/2	0.73	0.88	0.09	2.32							
YA1CL2	#1 AWG	50	1/4	0.68	0.88	0.10	1.81	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W1CVT(1) W1CRT1 (1) X1CRT1 (1)	W1CVT(1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (1) U4CABT (1)	Green	11 or 375	15/16
YA1CL-BOX			5/16	0.68	0.88	0.10	1.94							
YA1CL4-BOX			3/8	0.68	0.88	0.10	2.06							
YA1CL6-BOX			1/2	0.73	0.88	0.09	2.37							
YA25L2-BOX	1/0 AWG	—	1/4	0.75	0.88	0.12	1.84	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1) U2CABT (1)	Pink	12	15/16
YA25L-BOX			5/16	0.75	0.88	0.12	1.96							
YA25L4-BOX			3/8	0.75	0.88	0.12	2.09							
YA25L6-BOX			1/2	0.75	0.88	0.12	2.34							
YA26L2-BOX	2/0 AWG	70	1/4	0.83	0.94	0.12	1.94	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	1
YA26L-BOX			3/8	0.83	0.94	0.12	2.19							
YA26L6-BOX			1/2	0.83	0.94	0.12	2.44							
YA26L60			3/4	1.02	0.94	0.10	2.96							
YA27L3	3/0 AWG	—	5/16	0.91	1.00	0.13	2.16	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1-1/16
YA27L4-BOX			3/8	0.91	1.00	0.13	2.29							
YA27L-BOX			1/2	0.91	1.00	0.13	2.54							
YA28L2	4/0 AWG	—	1/4	1.02	0.88	0.14	1.96	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/8
YA28L3			5/16	1.02	0.88	0.14	2.08							
YA28L4-BOX			3/8	1.02	0.88	0.14	2.21							
YA28L-BOX			1/2	1.02	0.88	0.14	2.46							
YA28L56			3/4	1.05	0.88	0.13	2.90							
YA29L2	250 kcmil	—	1/4	1.11	1.06	0.16	2.17	MY29-3 (1) MY29-11 (1) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/8
YA29L4			3/8	1.11	1.06	0.16	2.42							
YA29L7			5/16	1.11	1.06	0.16	2.30							
YA29L-BOX			1/2	1.11	1.06	0.16	2.67							
YA29LTC78			7/8	1.11	1.06	0.14	3.36							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\* Y122CMR tool #10-#2 AWG Wire only

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ 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.

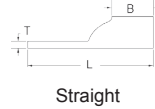
Note: All dimensions shown are for reference only.

# Compression Connections

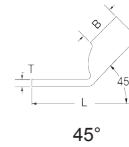
Copper Compression — Code

**BURNDY®**

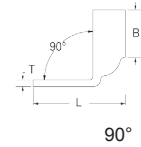
## ONE HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL (Continued)



Straight



45°



90°

C-14

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175.



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length			
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index		
										BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46*, PAT750					
YA30L1	300 kcmil	150	5/16	1.20	1.03	0.16	2.31	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2) U28ART (2)	White	17	1-1/16		
YA30L24			3/8	1.20	1.03	0.16	2.44									
YA30L			1/2	1.20	1.03	0.16	2.69									
YA30L28			5/8	1.20	1.03	0.16	2.94									
YA30L27			3/4	1.20	1.03	0.16	3.12									
YA31L11			350 kcmil	185	3/8	1.29	1.06								0.18	2.50
YA31L					1/2	1.29	1.06								0.18	2.75
YA31L7	5/8	1.29			1.06	0.18	3.00									
YA31L36	7/8	1.29			1.06	0.18	4.02									
YA32L14	400 kcmil	—	3/8	1.40	1.19	0.19	2.68	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2) U30ART (2)	Blue	19	1-1/4			
YA32LN			1/2	1.40	1.19	.19	3.12									
YA32L1			5/8	1.40	1.19	0.19	3.18									
YA32LTC78			7/8	1.40	1.19	0.19	3.62									
YA33L	450 kcmil	—	5/8	1.48	1.50	0.21	3.57	W33VT (2)	W33VT (2) W33RT (2)	U33RT (2)	Gray	326	1-9/16			
YA34L37	500 kcmil	240	3/8	1.55	1.27	0.23	2.87	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2) U31ART (1)	Brown	20	1-7/16		
YA34L6			1/2	1.55	1.27	0.23	3.12									
YA34L			5/8	1.55	1.27	0.23	3.37									
YA34L8			3/4	1.55	1.27	0.23	3.55									
YA34L9			7/8	1.55	1.27	0.23	3.80									
YA34L20	1	1.55	1.27	0.23	4.05											
YA35L	550 kcmil	—	5/8	1.65	1.69	0.25	3.81	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	—	—	U35RT (2)	Yellow	21	1-3/4		
YA36L11	600 kcmil	300	1/2	1.74	1.38	0.27	3.29	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	—	—	U36RT (2)	Green	22 or 472	1-3/4		
YA36L			5/8	1.74	1.38	0.27	3.54									
YA36LTC78			7/8	1.74	1.38	0.27	3.97									

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required

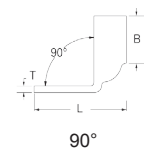
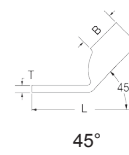
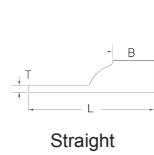
\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ 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.

Note: All dimensions shown are for reference only.

ONE HOLE HYLUG™  
CODE CONDUCTOR  
STANDARD BARREL  
(Continued)



45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175.



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length		
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic		Color Code		Die Index	
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750, Y46*, PAT750				
YA37L	650 kcmil	—	5/8	1.80	1.39	0.27	3.57	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	—	—	U37RT (2)	Orange	23	1-15/16	
YA37L1			5/8	1.80	1.39	0.27	3.76		—	—	U38RT (2)	Pink	400	1-15/16	
YA38L	700 kcmil	—	5/8	1.84	1.45	0.27	3.66		—	—	U39RT (2) P39RT (2)**	Black	24	1-15/16	
YA39L6	750 kcmil	—	1/2	1.91	1.42	0.27	3.41		Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	—	—	P40RT (3)**	Orange	25	1-15/16
YA39L			5/8	1.91	1.42	0.27	3.57								
YA39L2			7/8	1.91	1.42	0.27	4.10								
YA39L9			1/4	1.91	1.42	0.27	4.85								
YA40L	800 kcmil	400	5/8	1.98	1.42	0.30	3.81	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3) Y644MBH (1) PAT644XT18V (1)	—	—	P41D *(1) P44PR**	Gold	26	1-15/16	
YA41L	850 kcmil	—	5/8	2.01	1.88	0.31	4.15	—	—	P44RT (3)**	White	27	1-15/16		
YA44L2	1000 kcmil	500	1/2	2.19	1.65	0.33	3.98	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3) Y644MBH (1) PAT644XT18V (1)	—	—	P45RT (3)**	Yellow	29	2-1/16	
YA44L			5/8	2.19	1.65	0.33	4.04								
YA44L23			1	2.19	1.65	0.33	4.73								
YA45L	1250 kcmil	—	3/4	2.46	2.00	0.38	4.68	—	—	—	—	—	—	—	—
YA453LBOX	1300 kcmil	—	3/4	2.53	2.00	0.39	4.71	—	—	—	—	—	—	—	—
YA46L	1500 kcmil	—	3/4	2.69	2.00	0.40	4.78	—	—	—	P46RT (3)**	Green	31	2-1/16	
YA48L	2000 kcmil	1000	3/4	3.10	2.25	0.46	5.19	—	—	—	—	Brown	34	2-3/8	

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ 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.

Note: All dimensions shown are for reference only.

**ONE HOLE HYLUG™ CODE  
CONDUCTOR STANDARD  
BARREL NARROW TONGUE**

C-16

**TYPE YA-L-NT UNINSULATED  
COPPER COMPRESSION  
NARROW TONGUE TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

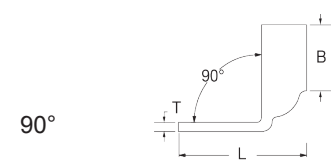
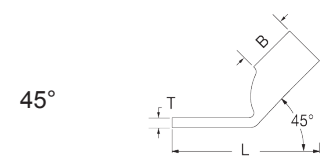
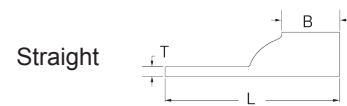
45° and 90° angles available. Please contact  
Customer Service to order: 1-800-346-4175



**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.

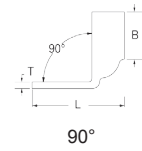
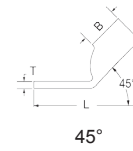
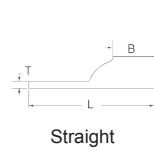
**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug; not recommended in highly corrosive environments as the wire in the barrel is exposed to corrosive elements installed
- Narrow tongue/tang is designed for limited space applications
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements and meet the exact UL testing requirements as long barrel connectors so performance of the connection is not compromised
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding





**ONE HOLE HYLUG™ CODE  
CONDUCTOR STANDARD  
BARREL NARROW TONGUE  
(Continued)**



45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175

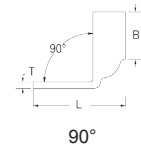
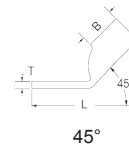
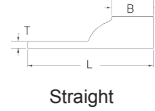


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless	Installation Tooling (# of crimps)					Wire Strip Length
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech.	Hydraulic		Color Code	Die Index	
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YA8CLNT6	#8 AWG #8 Flex G,H,I,K,M DLO 37/24	10	#6	0.29	0.44	0.09	1.08	Y1MRTC (1) Y122CMR (1) MY29-3 (1) MY29-11 (1) Y81KFT (1)	W8CVT (1)	X8CRT (1)	U8CRT (1)	Red	49	1/2
YA8CLNT8			#8	0.33	0.44	0.09	1.18							
YA6CLNT6	#6 AWG Sol./Str.□	—	#6	0.29	0.54	0.09	1.17	Y1MRTC (1) MY29-3 (1) MY29-11 (1) MRC840 (1) Y81KFT (1) PAT81KFT (1) Y122CMR (1)	W5CVT (1)	X5CRT (1)	U5CRT (1)	Blue	7	7/8
YA4CLNT10	#4 AWG	—	#10	0.40	0.81	0.09	1.73		W4CVT (1)	X4CRT (1)	U4CRT (1)	Gray	8	7/8
YA3CLNT14	#3 AWG #2 Sol.	25	1/4	0.41	0.88	0.08	1.82	MRC840 (1) Y81KFT (1)	W3CVT (1)	W3CVT (1)	U3CRT (1)	White	9	15/16
YA3CLNT516			5/16	0.49	0.88	0.08	1.80							
YA2CLNT10	#2 AWG	35	#10	0.48	0.88	0.11	1.80	PAT81KFT (1) Y122CMR (1)	W2CVT (1)	X2CRT (1)	U2CRT (1)	Brown	10	15/16
YA2CLNT14			1/4	0.48	0.88	0.11	1.80							
YA2CLNT516			5/16	0.49	0.88	0.11	1.82							
YA1CLNT10	#1 AWG	50	#10	0.50	0.88	0.10	2.23	MY29-3 (1) MY29-11 (1) Y81KFT (1)	W1CVT (1)	X1CRT1 (1)	U1CRT1 (1)	Green	11	15/16
YA1CLNT14			1/4	0.50	0.88	0.10	2.23							
YA25LNT10	1/0 AWG	—	#10	0.62	0.88	0.12	2.28	MY29-3 (1) MY29-11 (1) MRC840	W25VT (2)	X25RT (2)	U25RT (1)	Pink	12	15/16
YA25LNT14			1/4	0.48	0.88	0.12	1.93							
YA25LNT516			5/16	0.62	0.88	0.12	2.28							
YA25LNT38			3/8	0.62	0.88	0.12	2.18							
YA26LNT10	2/0 AWG	70	#10	0.62	0.94	0.13	2.62	Y644HSXT (1) Y81KFT (1) PAT81KFT (1)	W26VT (2)	X26RT (1)	U26RT (1)	Black	13	1
YA26LNT14			1/4	0.48	0.94	0.12	2.02							
YA26LNT516			5/16	0.62	0.94	0.13	2.62							
YA26LNT38			3/8	0.72	0.94	0.12	2.48							
YA27LNT14	3/0 AWG	—	1/4	0.76	1.00	0.13	2.10	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644 (1) Y81KFT (2) PAT81KFT (2)	W27VT (2)	X27RT (3)	U27RT (1)	Orange	14	1-1/16
YA27LNT516			5/16	0.60	1.00	0.12	2.17							
YA27LNT38	4/0 AWG	—	3/8	0.76	1.00	0.12	2.73	MRC840 (2) Y644 (1) Y81KFT (2) PAT81KFT (2)	W28VT (2)	X28RT (3)	U28RT (1)	Purple	15	1-1/8
YA28LNT14			1/4	0.76	0.88	0.14	2.60							
YA28LNT516			5/16	0.70	0.88	0.14	2.09							
YA28LNT38	3/8	0.76	0.88	0.14	2.67	W28VT (2) W28RT (2) X28RT (3)	X28RT (3)	U28RT (1)	Purple	15	1-1/16			

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™ □ Y644 / PAT644 tooling not for use on 6 AWG Sol.  
 \*\* The MM<sup>2</sup> conductor size listed is for Class 2 and Class 5 conductor ▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for FX connectors. For nest/indenter system contact factory  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only.

## ONE HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL NARROW TONGUE (Continued)



C-18

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless	Installation Tooling (# of crimps)					Wire Strip Length	
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech.	Hydraulic		Color Code	Die Index		
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS				Y35, Y39, Y750, Y46, PAT750
YA29LENT516	250 kcmil	—	5/16	0.76	1.06	0.16	2.49	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W29VT (2)	X29RT (4)	U29RT (1)	Yellow	16	1-1/8	
YA29LENT38			3/8	0.76	1.06	0.16	2.96								
YA29LNT38			3/8	0.96	1.06	0.16	2.96								
YA30LNT14	300 kcmil	150	1/4	0.83	1.03	0.16	2.26	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W30VT (2)	—	U30RT (2)	White	17	1-1/8	
YA30LNT38			3/8	0.96	1.03	0.16	2.97		W31VT (2)	—	U31RT (2)	Red	18	1-1/8	
YA31LNT38	350 kcmil	185	3/8	0.96	1.06	0.18	3.31		W32VT (2)	—	U32RT (2)	Blue	19	1-1/4	
YA31LNT12			1/2	0.88	1.06	0.18	2.75		—	—	U36RT (2)	Green	22	1-3/4	
YA32LNT38	400 kcmil	—	3/8	0.96	1.19	0.20	3.21		W34VT (2)	—	U34RT (2)	Brown	20	1-7/16	
YA32LNT12			1/2	0.96	1.19	0.19	3.21		—	—	U39RT (2)	Black	24	1-15/16	
YA34LNT38	500 kcmil	240	3/8	0.96	1.27	0.23	3.65		—	—	—	—	—	—	—
YA34LNT12			1/2	0.96	1.27	0.23	3.65		—	—	—	—	—	—	—
YA36LNT38	600 kcmil	300	3/8	1.12	1.38	0.27	4.09		—	—	—	—	—	—	—
YA36LNT12			1/2	1.00	1.38	0.27	3.29		—	—	—	—	—	—	—
YA39LNT38	750 kcmil	—	3/8	1.12	1.42	0.27	4.24	Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	—	—	U39RT (2)	Black	24	1-15/16	
YA39LNT12			1/2	1.12	1.42	0.27	4.24								
YA39LNT58			5/8	1.30	1.42	0.27	3.67								

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* The MM<sup>2</sup> conductor size listed is for Class 2 and Class 5 conductor  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

□ Y644 / PAT644 tooling not for use on 6 AWG Sol.  
 ▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for FX connectors. For nest/indenter system contact factory

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only.

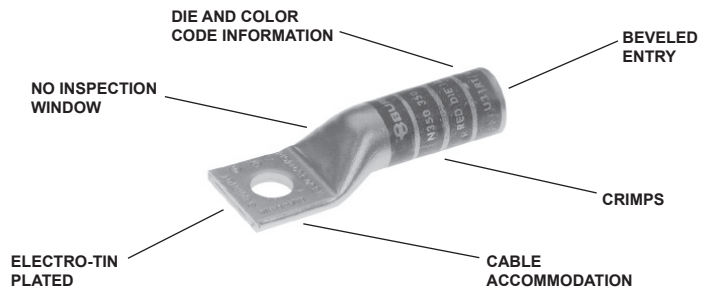
**ONE HOLE HYLUG™  
CODE CONDUCTOR  
LONG BARREL**

**TYPES YA, YA-TC**

**UNINSULATED COPPER  
COMPRESSION TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to  
order: 1-800-346-4175



C-19

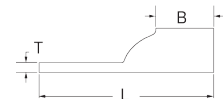


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

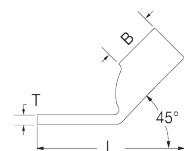
**Features & Benefits**

- 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
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

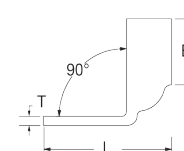
Straight



45°



90°



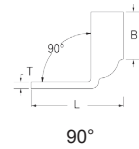
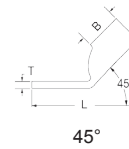
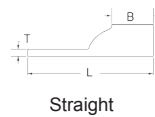
# Compression Connections

Copper Compression — Code — Long Barrel — No Inspection Window

**BURNDY®**

## ONE HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

(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.

C-20

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175

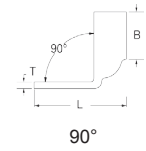
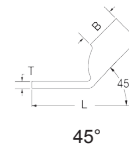
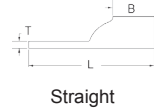
Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length		
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.		Hydraulic			Color Code	Die Index
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750, Y46**, PAT750				
YA8CTC10	#8 AWG #8 Flex G,H,I,K,M DLO 37/24	† 10	#10	0.41	0.81	0.08	1.57	Y122CMR (2) MRC840 (2) MY29-3 (2) MY29-11 (2) Y8MBR-1 (1) Y1MRTC (2) Y81KFT(1) PAT81KFT (1)	W8CVT (2) W8CRT (2) X8CRT (2)	X8CRT (2) W8CVT (2) W8CRT (2)	U8CRT (2)	Red	49	7/8	
YA8CTC14			1/4	0.44	0.81	0.08	1.69								
YA8CTC38			3/8	0.58	0.81	0.06	1.88								
YA6CTC8	#6 AWG Sol./Str.	—	#8	0.42	1.12	0.09	1.83	Y122CMR (2) MRC840 (2) MY29-3 (2) MY29-11 (2) Y644HSXT (1) Y1MRTC (2) Y81KFT (1) PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16	
YA6CTC10			#10	0.42	1.12	0.09	1.89								
YA6C			1/4	0.41	1.12	0.09	1.81								
YA6CN			1/2	0.83	1.12	0.12	2.64								
YA6CTC516			5/16	0.52	1.12	0.07	2.08								
YA6CTC38			3/8	0.58	1.12	0.06	2.21								
YA5C	#5 AWG	—	1/4	0.44	1.12	0.07	1.98	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16		
YA5CN			1/2	0.83	1.12	0.12	2.67								
YA4CTC10	#4 AWG	—	#10	0.50	1.12	0.09	1.94	Y1MRTC (4) Y122CMR (4) MY29-3 (2) MY29-11 (2) Y644HSXT (1) Y81KFT (2) PAT81KFT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16	
YA4C			1/4	0.50	1.12	0.09	1.87								
YA4CTC38			3/8	0.58	1.12	0.08	2.25								
YA4CN			1/2	0.83	1.12	0.12	2.69								
YA3CTC14	#3 AWG #2 Solid	25	1/4	0.55	1.25	0.09	2.23	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16		
YA3C			5/16	0.55	1.25	0.09	2.30								
YA3CTC38			3/8	0.58	1.25	0.08	2.42								
YA3CN			1/2	0.83	1.25	0.12	2.86								
YA2CTC10	#2 AWG	35	#10	0.60	1.25	0.11	2.10	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16		
YA2CTC14			1/4	0.60	1.25	0.11	2.23								
YA2C			5/16	0.60	1.25	0.11	2.29								
YA2CTC38			3/8	0.60	1.25	0.11	2.41								
YA2CN			1/2	0.83	1.25	0.12	2.88								
YA1CTC10	#1 AWG	50	#10	0.68	1.38	0.10	2.27	PAT81KFT (2) Y1MR TC(4) MRC840 (2) MY29-3 (2) MY29-11 (2) Y644HSXT (1) Y81KFT (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11	1-7/16	
YA1CTC14			1/4	0.68	1.38	0.10	2.39								
YA1C			5/16	0.68	1.38	0.10	2.45								
YA1CTC38			3/8	0.68	1.38	0.10	2.58								
YA1CN			1/2	0.83	1.38	0.12	3.06								

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color coded die recommendations for -FX connectors. For nest/indenter system contact factory

• Available undrilled. Add suffix U to catalog number (example: YA25U)  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 Note: All dimensions shown are for reference only

**ONE HOLE HYLUG™  
CODE CONDUCTOR  
LONG BARREL**  
(Continued)



45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



**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	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech.	Hydraulic		Color Code		Die Index
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YA25TC10	1/0 AWG	—	#10	0.75	1.38	0.12	2.30	MRC840 (4) MY29-3 (2) MY29-11 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12	1-7/16
YA25			5/16	0.75	1.38	0.13	2.48							
YA25TC38			3/8	0.75	1.38	0.12	2.61							
YA25N			1/2	0.83	1.38	0.11	3.05							
YA26TC14	2/0 AWG	70	1/4	0.83	1.50	0.12	2.58	MRC840 (4) MY29-3 (2) MY29-11 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YA26TC516			5/16	0.83	1.50	0.12	2.65							
YA26			3/8	0.83	1.50	0.12	2.77							
YA26N			1/2	0.83	1.50	0.12	3.21							
YA27	3/0 AWG	—	1/2	0.91	1.50	0.13	3.06	MRC840 (4) MY29-3 (2) MY29-11 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16
YA28TC38	4/0 AWG	—	3/8	1.02	1.62	0.14	2.98							
YA28			1/2	1.02	1.62	0.14	3.23							
YA29	250 kcmil	—	1/2	1.11	1.62	0.16	3.26	MY29-3 (2) MY29-11 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	1-11/16
YA30	300 kcmil	150	1/2	1.20	2.00	0.16	3.69							
YA30N			1/2	1.20	2.00	0.16	3.88							
YA31	350 kcmil	185	1/2	1.29	2.00	0.18	3.73	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18 or 324	2-1/16
YA32N	400 kcmil	—	1/2	1.40	2.12	0.19	4.09							
YA32			5/8	1.40	2.12	0.19	4.15							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color coded die recommendations for -FX connectors. For nest/indenter system contact factory

• Available undrilled. Add suffix U to catalog number (example: YA25U)  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 Note: All dimensions shown are for reference only

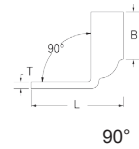
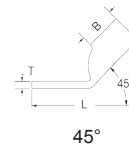
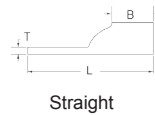
# Compression Connections

**BURNDY®**

Copper Compression — Code — Long Barrel — No Inspection Window

## ONE HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

(Continued)



C-22

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index
YA33N	450 kcmil	—	1/2	1.48	2.13	0.21	4.17			Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	W33VT (4)		W33VT (4) W33RT (4)	
YA33	450 kcmil	—	5/8	1.48	2.13	0.21	4.24	W34VT (4)	W34VT (4) W34RT (4)		U34RT (4) U31ART (2)	Brown	20 or 299	2-5/16
YA34N	500 kcmil	240	1/2	1.55	2.25	0.23	4.32				—	—	U35RT (4)	Yellow
YA34			5/8	1.55	2.25	0.23	4.39	—	—				U36RT (4) U32ART (4)	Green
YA35N	550 kcmil	—	1/2	1.65	2.63	0.25	4.73				—	—	U37RT (4)	Orange
YA35			5/8	1.65	2.63	0.25	4.79	—	—				U38RT (4)	Pink
YA36N	600 kcmil	300	1/2	1.74	2.69	0.27	4.83				—	—	U39RT (4) P39RT (4)	Black
YA36			5/8	1.74	2.69	0.27	4.90	—	—				P40RT (4)	Orange
YA37N	650 kcmil	—	1/2	1.80	2.81	0.27	4.98				—	—	—	Gold
YA37			5/8	1.80	2.81	0.27	5.05	—	—				P44RT (4)	White
YA38N	700 kcmil	—	1/2	1.84	2.81	0.27	5.01				—	—	P45RT (6)	Yellow
YA38			5/8	1.84	2.81	0.27	5.07	—	—				P46RT (6)	Green
YA39N	750 kcmil	—	1/2	1.91	2.88	0.27	5.11				—	—	—	Gray
YA39			5/8	1.91	2.88	0.27	5.17	—	—				—	Brown
YA40	800 kcmil	400	5/8	1.98	2.94	0.30	5.25				—	—	—	—
YA41N	850 kcmil	—	1/2	2.01	2.94	0.31	5.20	—	—					
YA41			5/8	2.01	2.94	0.31	5.26				—	—	—	—
YA44N	1000 kcmil	500	1/2	2.19	3.00	0.33	5.38	—	—					
YA44			5/8	2.19	3.00	0.33	5.45				—	—	—	—
YA45	1250 kcmil	—	3/4	2.46	3.19	0.38	5.93	—	—					
YA46N	1500 kcmil	—	1/2	2.69	3.19	0.40	5.79			—	—	—	—	—
YA46			3/4	2.69	3.19	0.40	6.04	—	—					
YA47N	1750 kcmil	—	1/2	2.90	3.44	0.42	6.13			—	—	—	—	—
YA47			3/4	2.90	3.44	0.42	6.38	—	—					
YA48N	2000 kcmil	—	1/2	3.10	3.44	0.46	6.22			—	—	—	—	—
YA48			3/4	3.10	3.44	0.46	6.47	—	—					

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 \*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color coded die recommendations for -FX connectors. For nest/indenter system contact factory

• Available undrilled. Add suffix U to catalog number (example: YA25U)  
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 Note: All dimensions shown are for reference only

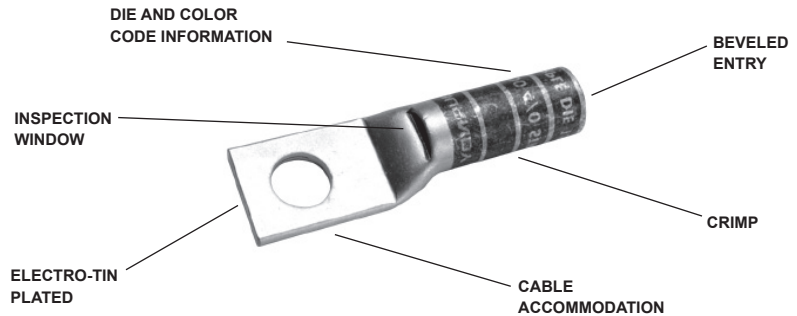
**ONE HOLE HYLUG™  
CODE CONDUCTOR  
LONG BARREL WITH  
INSPECTION WINDOW**

**TYPE YAZ**

**UNINSULATED COPPER  
COMPRESSION TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175



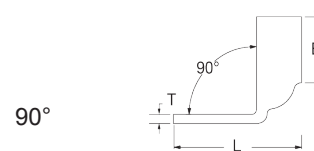
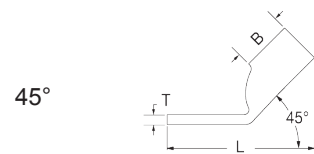
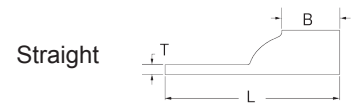
C-23



**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**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

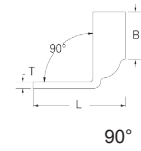
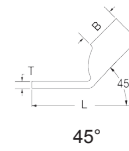
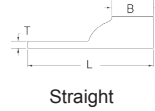


# Compression Connections

**BURNDY®**

Copper Compression — Code — Long Barrel — Inspection Window

## ONE HOLE HYLUG™ CODE CONDUCTOR LONG BARREL WITH INSPECTION WINDOW (Continued)



45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175

**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.

C-24

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech.	Hydraulic		Color Code		Die Index
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YAZV10TC14	#14-10 Str #12-10 Sol	6	1/4	0.41	0.69	0.05	1.52	MR20 (2) Y8MRB-1 (2) Y122CMR (2)	—	—	—	—	—	3/4
YAZ8CTC10	#8 AWG #8 Flex G,H,I,K,M DLO 37/24	10	#10	0.41	0.75	0.08	1.43	Y122CMR (2) Y1MRTC (2) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT(2)	Red	49	13/16
YAZ8CTC14			1/4	0.44	0.75	0.08	1.56							
YAZ8CTC38			3/8	0.58	0.75	0.06	1.75							
YAZ6CTC14	#6 AWG Sol □ / Str	—	1/4	0.45	1.12	0.08	2.02	W5CVT (2) W5CRT (2) X5CRT (2) X8CART(2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16	
YAZ6CTC38			3/8	0.58	1.12	0.06	2.21							
YAZ6CTC12			1/2	0.75	1.12	0.12	2.46							
YAZ5CTC12	#5 AWG	—	1/2	0.83	1.12	0.12	2.48	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16	
YAZ4CTC14	#4 AWG	—	1/4	0.50	1.12	0.09	2.04	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (1) PAT81KFT-18V (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16
YAZ4CTC38			3/8	0.58	1.12	0.08	2.22							
YAZ4CTC12			1/2	0.73	1.12	0.06	2.50							
YAZ3CTC14	#3 AWG #2 Sol	25	1/4	0.55	1.25	0.09	2.19	Y122CMR** (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (2) PAT81KFT (2)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16
YAZ3CTC38			3/8	0.58	1.25	0.08	2.38							
YAZ3CTC12			1/2	0.71	1.25	0.07	2.63							
YAZ2CTC14	#2 AWG	35	1/4	0.60	1.25	0.11	2.21	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16	
YAZ2CTC38			3/8	0.60	1.25	0.11	2.40							
YAZ2CTC12			1/2	0.73	1.25	0.09	2.65							
YAZ1CTC14	#1 AWG	50	1/4	0.68	1.38	0.10	2.37	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT(2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11 or 375	1-7/16	
YAZ1CTC38			3/8	0.68	1.38	0.10	2.56							
YAZ1CTC12			1/2	0.73	1.38	0.09	2.81							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\* Y122CMR tool #10-#2 AWG Wire only

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

† The MM<sup>2</sup> conductor size listed is for Class 2 and Class 5 conductor

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

• Available undrilled. Add suffix U to catalog number (example: YA25U)

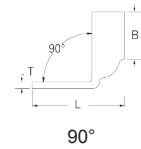
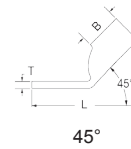
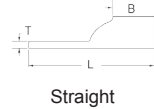
◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions

□ Y644 / PAT644 tooling not for use on 6 AWG Sol.

**Note:** All dimensions shown are for reference only



ONE HOLE HYLUG™  
CODE CONDUCTOR  
LONG BARREL WITH  
INSPECTION WINDOW  
(Continued)



45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling					Wire Strip Length
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech.	Hydraulic		Color Code	Die Index	
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YAZ25TC14	1/0 AWG	—	1/4	0.75	1.38	0.12	2.40	MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W25RT (4) W25VT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12 or 348	1-7/16
YAZ25TC516			5/16	0.75	1.38	0.12	2.46							
YAZ25TC38			3/8	0.75	1.38	0.12	2.59							
YAZ25TC12			1/2	0.75	1.38	0.12	2.84							
YAZ26TC14	2/0 AWG	70	1/4	0.83	1.50	0.12	2.56		W26RT (4) W26VT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YAZ26TC38			3/8	0.83	1.50	0.12	2.75							
YAZ26TC12			1/2	0.83	1.50	0.12	3.00							
YAZ27TC38	3/0 AWG	—	3/8	0.90	1.50	0.12	2.79		W27RT (4) W27VT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16
YAZ27TC12			1/2	0.90	1.50	0.12	3.04							
YAZ28TC38	4/0 AWG	—	3/8	1.02	1.62	0.14	2.95		W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZ28TC12			1/2	1.02	1.62	0.14	3.20							
YAZ29TC38	250 kcmil	—	3/8	1.10	1.62	0.16	2.98		W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (6)	U29RT (2)	Yellow	16	1-11/16
YAZ29TC12			1/2	1.10	1.62	0.16	3.23							
YAZ30TC38	300 kcmil	150	3/8	1.20	2.00	0.16	3.41	W30VT (4)	W30VT (4) W30RT (4)	U30RT U28ART(4)	White	17 or 298	2-1/16	
YAZ30TC12			1/2	1.20	2.00	0.16	3.66							
YAZ31TC38	350 kcmil	185	3/8	1.29	2.00	0.18	3.44	W31VT (4)	W31VT (4) W31RT (4)	U31RT U29ART (4)	Red	18 or 324	2-1/16	
YAZ31TC12			1/2	1.29	2.00	0.18	3.69							
YAZ32TC38	400 kcmil	—	3/8	1.40	2.12	0.19	3.61	W32VT (4)	W32VT (4) W32RT (4)	U32RT U30ART (4)	Blue	19 or 470	2-3/16	
YAZ32TC12			1/2	1.40	2.12	0.19	3.86							
YAZ33TC12	450 kcmil	—	1/2	1.48	2.12	0.21	3.95	W33VT (4)	W33VT (4) W33RT (4)	W33RT (4)	Gray	326 or 538	2-5/16	
YAZ34TC38	500 kcmil	240	3/8	1.55	2.25	0.23	3.84	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART(2)	Brown	20 or 299	2-5/16	
YAZ34TC12			1/2	1.55	2.25	0.23	4.10							
YAZ35TC12	550 kcmil	—	1/2	1.65	2.62	0.25	4.50	—	—	U35RT (4)	Yellow	21	2-11/16	

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

† The MM<sup>2</sup> conductor size listed is for Class 2 and Class 5 conductor

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

• Available undrilled. Add suffix U to catalog number (example: YA25U)

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

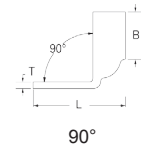
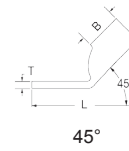
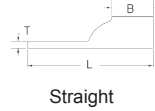
**Note:** All dimensions shown are for reference only

# Compression Connections

**BURNDY®**

Copper Compression — Code — Long Barrel — Inspection Window

## ONE HOLE HYLUG™ CODE CONDUCTOR LONG BARREL WITH INSPECTION WINDOW (Continued)



C-26

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length						
	AWG	MM <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic		Color Code	Die Index							
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46, PAT750									
YAZ36TC38	600 kcmil	300	3/8	1.74	2.69	0.26	4.54	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	—	—	U36RT (4)	Green	22 or 472	2-3/4						
YAZ36TC12			1/2	1.74	2.69	0.26	4.60				U32ART (4)									
YAZ37TC12	650 kcmil	—	1/2	1.80	2.81	0.27	4.75				U37RT (4)	Orange	23	2-7/8						
YAZ38TC12	700 kcmil	—	1/2	1.84	2.81	0.27	4.77				U38RT (4)	Pink	400	2-7/8						
YAZ39TC38	750 kcmil	—	3/8	1.91	2.88	0.27	4.81				—	—	—	U39RT (4)	Black	24	2-15/16			
YAZ39NT12			1/2	1.63	2.88	0.27	4.87							P39RT** (4)						
YAZ39TC12			1/2	1.91	2.88	0.27	4.87							—						
YAZ40TC12	800 kcmil	400	1/2	1.98	2.94	0.30	4.94							—	Orange	25	3			
YAZ41TC12	850 kcmil	—	1/2	2.01	2.94	0.31	4.96							—	Gold	26	3			
YAZ44TC38	1000 kcmil	500	3/8	2.19	3.00	0.33	5.08							—	—	—	P44RT** (4)	White	27	3-1/16
YAZ44TC12			1/2	2.19	3.00	0.33	5.14										—			
YAZ45TC12	1250 kcmil	—	1/2	2.46	3.19	0.38	5.43										P45RT** (6)	Yellow	29	3-1/4
YAZ453TC12	1300 kcmil	—	1/2	2.53	3.19	0.39	5.46	—	Orange	30							3-1/4			
YAZ46TC12	1500 kcmil	—	1/2	2.69	3.19	0.40	5.53	P46RT** (6)	Green	31							3-1/4			
YAZ47TC12	1750 kcmil	—	1/2	2.90	3.44	0.42	5.87	—	Gray	33	3-1/2									
YAZ48TC12	2000 kcmil	—	1/2	3.10	3.44	0.46	5.95	—	Brown	34	3-1/2									

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

† The MM<sup>2</sup> conductor size listed is for Class 2 and Class 5 conductor

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

• Available undrilled. Add suffix U to catalog number (example: YA25U)

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

**Note:** All dimensions shown are for reference only

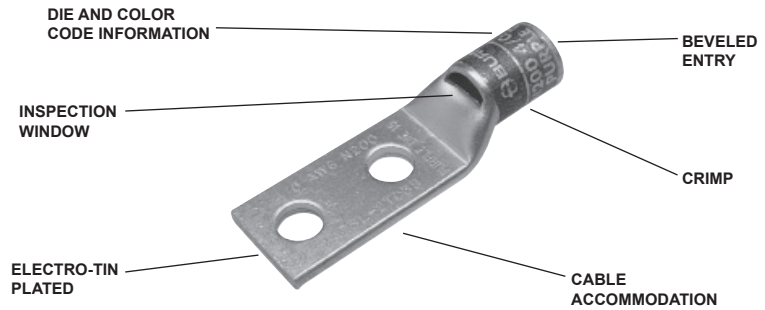
**TWO HOLE HYLUG™ CODE  
CONDUCTOR STANDARD  
BARREL**

**TYPES YAV-2TC, YA-L2L,  
YA-2LN, AND YA-L-2TC**

**COPPER COMPRESSION  
TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to order.  
1-800-346-4175



C-27

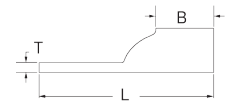


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

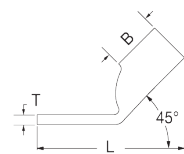
**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

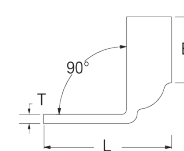
Straight



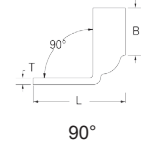
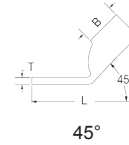
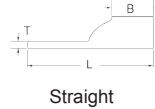
45°



90°



## TWO HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL (Continued)



C-28

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



**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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length										
	AWG	MM² ***				(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index									
											BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46*, PAT750												
YAV10-2TC10	#14-10 Str. #12-10 Sol.	6	#10	5/8"	0.36	0.38	0.06	1.72	MR20 (1) Y8MRB-1 (1) Y122CMR (1)	—	—	—	—	—	7/16									
YAV10-2TC14			1/4	5/8"	0.41	0.38	0.05	1.84																
YAV10-2TC14E1			1/4	1"	0.41	0.38	0.05	2.22																
YAV10-2TC14E2			1/4	3/4"	0.41	0.38	0.05	1.97																
YAV10-2TC38			3/8	1"	0.56	0.38	0.04	2.40																
YA8C-L2TC10	#8 AWG #8 Flex G,H,I,K,M DLO 37/24	† 10	#10	5/8"	0.41	0.44	0.08	1.83	Y122CMR (1) Y1MRTC (1) Y8MRB-1 (1) MY29-3 (1) MY29-11 (1) MRC840 (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16									
YA8CL-2TC10E2			#10	3/4"	0.41	0.44	0.08	1.95																
YA8C-L2TC14			1/4	5/8"	0.44	0.44	0.08	1.95																
YA8C-L2TC14E2			1/4	3/4"	0.44	0.44	0.08	2.08																
YA8C-L2TC14E1			1/4	1"	0.44	0.44	0.08	2.33																
YA8C-L2TC38			3/8	1"	0.58	0.44	0.06	2.52																
YA8C-2LN			1/2	1-3/4"	0.83	0.44	0.12	3.75																
YA6C-2L51			6 AWG Sol□/Str	—	#10	1/2"	0.42	0.54								0.09	1.79	Y122CMR (1) Y1MRTC (1) Y8MRB-1 (1) MY29-3 (1) MY29-11 (1) MRC840 (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	U5CRT (1) U8CABT (1)	Blue	7 or 374	5/8
YA6CL-2TC10					#10	5/8"	0.42	0.54								0.09	1.94							
YA6C-2L52	1/4	1/2"			0.45	0.54	0.08	1.88																
YA6CL-2TC14E	1/4	1/2"			0.45	0.54	0.08	1.94																
YA6C-2L	1/4	5/8"			0.45	0.54	0.08	2.01																
YA6CL-2TC14	1/4	5/8"			0.45	0.54	0.08	2.07																
YA6CL-2TC14E2	1/4	3/4"			0.45	0.54	0.08	2.19																
YA6CL-2TC14E1	1/4	1"			0.45	0.54	0.08	2.44																
YA6CL-2TC516E2	5/16	3/4"			0.52	0.54	0.07	2.53																
YA6CL-2TC516	5/16	1"			0.52	0.54	0.07	2.78																
YA6CL-2TC38	3/8	1"			0.58	0.54	0.06	2.63																
YA6C2LN	1/2	1-3/4"			0.83	0.54	0.12	4.10																
YA5C-2L	5 AWG	—			1/4	5/8"	0.44	0.81	0.07	2.28	Y122CMR (1) Y1MRTC (1) MY29-3 (1) MY29-11 (1) MRC840 (1) Y81KFT (1) PAT81KFT (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	U5CRT (1) U8CABT (1)	Blue	7 or 374	7/8							
YA4C-2L	4 AWG	—	1/4	5/8"	0.50	0.81	0.09	2.30	Y122CMR (2) Y1MRTC (2) MY29-3 (1) MY29-11 (1) MRC840 (1) Y644HSXT (1) Y81KFT (1) PAT81KFT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1) U6CABT (1)	Gray	8 or 346	7/8									
YA4CL-2TC14			1/4	5/8"	0.50	0.81	0.09	2.36																
YA4CL-2TC14E2			1/4	3/4"	0.50	0.81	0.09	2.49																
YA4CL-2TC14E1			1/4	1"	0.50	0.81	0.09	2.74																
YA4CL-2TC516			5/16	1"	0.52	0.81	0.09	2.80																
YA4CL-2TC38			3/8	1"	0.58	0.81	0.08	2.96																
YA4C-2LN			1/2	1-3/4"	0.83	0.81	0.12	4.14																

-- Color code not assigned

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

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

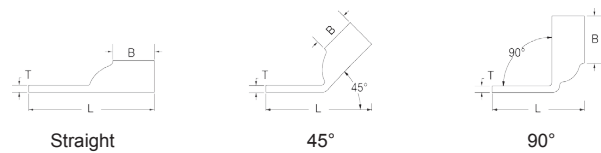
▲ See tooling section of this catalog for complete tool and die listings

◆ For applications greater than 2000 volts consult cable manufacturer for voltage stress relief instructions

□ Y644 / PAT644 tooling not for use on 6 AWG Sol.

Note: All dimensions shown are for reference only

TWO HOLE HYLUG™ CODE  
CONDUCTOR STANDARD  
BARREL  
(Continued)



45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length							
	AWG	MM <sup>2</sup> ***				(B)	(T)	(L)		Mech.		Hydraulic			Color Code	Die Index					
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46*, PAT750									
YA3CL-2TC14	3 AWG #2 Sol.	25	1/4	5/8"	0.55	0.88	0.09	2.45	Y122CMR** (2) Y1MRTC (2) MY29-3 (1) MY29-11 (1) MRC840 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W3CRT (1)	W3CRT (1)	U3CRT (1)	White	9	15/16						
YA3C-2L			5/16	5/8"	0.55	0.88	0.09	2.64													
YA3CL-2TC38			3/8	1"	0.58	0.88	0.08	3.06													
YA2CL-2TC14	#2 AWG	35	1/4	5/8"	0.60	0.88	0.11	2.47	Y122CMR** (2) Y1MRTC (2) MY29-3 (1) MY29-11 (1) MRC840 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	15/16						
YA2CL-2TC14E2			1/4	3/4"	0.60	0.88	0.11	2.60													
YA2CL-2TC14E1			1/4	1"	0.60	0.88	0.11	2.85													
YA2C-2L			5/16	3/4"	0.60	0.88	0.11	2.67													
YA2CL-2TC516			5/16	1"	0.60	0.88	0.11	2.91													
YA2CL-2TC38			3/8	1"	0.60	0.88	0.11	3.03													
YA2C-2LN			1/2	1-3/4"	0.83	0.88	0.12	4.27													
YA1CL-2TC14			1 AWG	50	1/4	5/8"	0.68	0.88								0.10	2.51	Y122CMR** (2) Y1MRTC (2) MY29-3 (1) MY29-11 (1) MRC840 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W1CVT (1) W1CRT-1 (1) X1CRT-1 (1)	W1CVT (1) W1CRT-1 (1) X1CRT-1 (1)	U1CRT-1 (1) U4CABT (1)
YA1CL-2TC14E2	1/4	3/4"			0.68	0.88	0.10	2.64													
YA1C-2L	5/16	7/8"			0.68	0.88	0.10	2.82													
YA1CL-2TC38	3/8	1"			0.68	0.88	0.10	3.07													
YA1C-2LN	1/2	1-3/4"			0.83	0.88	0.12	4.32													
YA25L-2TC14	1/0 AWG	—			1/4	5/8"	0.75	0.88	0.12	2.54	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1) U2CABT (1)	Pink	12 or 348	15/16				
YA25L-2TC14E2			1/4	3/4"	0.75	0.88	0.12	2.66													
YA25L-2TC14E1			1/4	1"	0.75	0.88	0.12	2.91													
YA25-2L			5/16	7/8"	0.75	0.88	0.12	2.85													
YA25L-2TC38			3/8	1"	0.75	0.88	0.12	3.10													
YA25-2LN			1/2	1-3/4"	0.83	0.88	0.11	4.29													
YA26L-2TC14	2/0 AWG	70	1/4	5/8"	0.83	0.94	0.12	2.64	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	1						
YA26L-2TC14E2			1/4	3/4"	0.83	0.94	0.12	2.76													
YA26L-2TC14E1			1/4	1"	0.83	0.94	0.12	3.01													
YA26-2L			5/16	7/8"	0.83	0.94	0.12	2.95													
YA26L-2TC38			3/8	1"	0.83	0.94	0.12	3.20													
YA26-2LN			1/2	1-3/4"	0.83	0.94	0.12	4.39													
YA27L-2TC14E2	3/0 AWG	—	1/4	3/4"	1.00	1.00	0.12	2.86	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1-1/16						
YA27L-2TC38			3/8	1"	1.00	1.00	0.12	3.30													
YA27-2LN			1/2	1-3/4"	0.91	1.00	0.13	4.48													
YA28L-2TC14E2	4/0 AWG	—	1/4	3/4"	1.02	0.88	0.14	2.78	MY29-3 (1) MY29-11 (1) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/8						
YA28L-2TC14E1			1/4	1"	1.02	0.88	0.14	3.03													
YA28L2NTC516			5/16	1-3/4"	1.02	0.88	0.14	3.84													
YA28L-2TC38E2			3/8	3/4"	1.02	0.88	0.14	2.97													
YA28L-2TC38			3/8	1"	1.02	0.88	0.14	3.22													
YA28-2LN			1/2	1-3/4"	1.02	0.88	0.14	4.41													
YA29L-2TC38	250 kcmil	—	3/8	1.00"	1.10	1.06	0.16	3.43	MY29-3 (1) MY29-11 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/8						
YA29-2LN			1/2	1-3/4"	1.10	1.06	0.16	4.62													

-- Color code not assigned  
\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
\*\* Y122CMR tool #10-#2 AWG Wire only

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor  
▲ 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  
Note: All dimensions shown are for reference only

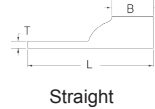
# Compression Connections

Copper Compression — Code — Inspection Window

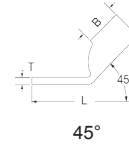
**BURNDY®**

## TWO HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL

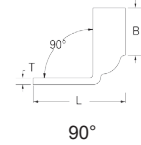
(Continued)



Straight



45°



90°

C-30

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling			Color Code	Die Index	Wire Strip Length
	AWG	MM² ***				(B)	(T)	(L)		Mech.	Hydraulic				
											MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YA30L-2TC-38	300 kcmil	150	3/8	1"	1.20	1.03	0.16	3.45	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2) U28ART (2)	White	17 or 298	1
YA30-2LN			1/2	1-3/4"	1.20	1.03	0.16	4.63		W31VT (2)	W31VT (2) W31RT (2)	U31RT (2) U29ART (2)			
YA31L-2TC14E2	350 kcmil	185	1/4	3/4"	1.29	1.06	0.18	3.07	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2) U30ART (2)	Blue	19 or 470	1-1/4
YA31L-2NTC516			5/16	1-3/4"	1.29	1.06	0.18	4.13							
YA31L-2TC38			3/8	1"	1.29	1.06	0.18	3.51							
YA31L-2TC12			1/2	1-1/4"	1.29	1.06	0.18	4.01							
YA31L-2LN	400 kcmil	—	1/2	1-3/4"	1.29	1.06	0.18	4.70	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W33VT (2)	W33VT (2) W33RT (2)	U33RT (2)	Gray	326 or 538	1-9/16
YA32-2L			3/8	1"	1.40	1.19	0.19	3.75							
YA32L-2TC38			3/8	1"	1.40	1.19	0.19	3.69							
YA32L-2TC38E5			3/8	1-1/16"	1.40	1.19	0.19	3.75							
YA32-2LN	450 kcmil	—	1/2	1-3/4"	1.40	1.19	0.19	4.88	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2) U31ART (2)	Brown	20 or 299	1-7/16
YA33-2LN			1/2	1-3/4"	1.48	1.50	0.21	5.23							
YA34L-2TC14E2			1/4	3/4"	1.55	1.27	0.23	3.44							
YA34-2L			3/8	1"	1.55	1.27	0.23	3.94							
YA34L-2TC38	500 kcmil	240	3/8	1"	1.55	1.27	0.23	3.88	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	—	—	U35RT (2)	Yellow	21	1-3/4
YA34L-2TC12			1/2	1-1/4"	1.55	1.27	0.23	4.38							
YA34-2LN	550 kcmil	—	1/2	1-3/4"	1.55	1.27	0.23	5.06	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	—	—	U36RT (2) U32ART (2)	Green	22 or 472	1-3/4
YA35-2L			3/8	1-1/8"	1.65	1.69	0.25	4.64							
YA35-2LN	600 kcmil	300	1/2	1-3/4"	1.65	1.69	0.25	5.51	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	—	—	U37RT (2)	Orange	23	1-15/16
YA36L-2TC38			3/8	1"	1.74	1.38	0.27	4.23							
YA36-2LN	650 kcmil	—	1/2	1-3/4"	1.74	1.38	0.27	5.23	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	—	—	U38RT (2)	Pink	400	1-15/16
YA37-2L			3/8	1-1/8"	1.80	1.39	0.27	4.40							
YA37-2LN	700 kcmil	—	1/2	1-3/4"	1.80	1.39	0.27	5.27	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	—	—	U39RT (2) P39RT (2)	Black	24	1-15/16
YA38L-2TC38			3/8	1"	1.84	1.45	0.27	4.35							
YA38-2L			3/8	1-1/8"	1.84	1.45	0.27	4.48							
YA38L-2TC12			1/2	1-1/2"	1.84	1.45	0.27	4.67							
YA38-2LN	750 kcmil	—	1/2	1-3/4"	1.84	1.45	0.27	5.35	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	—	—	P40RT (3)	Orange	25	1-15/16
YA39L-2TC38			3/8	1"	1.91	1.42	0.27	4.36							
YA39-2L			3/8	1-1/8"	1.91	1.42	0.27	4.48							
YA39L-2TC12E3			1/2	1-1/2"	1.91	1.42	0.27	4.92							
YA39-2LN	800 kcmil	400	1/2	1-3/4"	1.91	1.42	0.27	5.36	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT (2)	—	—	P41D (1)** P44PR	Gold	26	1-15/16
YA39L-2TC58			5/8	1-1/2"	1.91	1.42	0.27	5.17							
YA40L-2TC38	850 kcmil	—	3/8	1"	1.98	1.42	0.30	4.37	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT (2)	—	—	P44RT (3)	White	27	1-15/16
YA40-2L			3/8	1-1/8"	1.98	1.42	0.30	4.50							
YA40-2LN			1/2	1-3/4"	1.98	1.42	0.30	5.38							
YA41-2L	1000 kcmil	500	3/8	1-1/8"	2.01	1.88	0.31	4.97	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT (2)	—	—	P44RT (3)	White	27	1-15/16
YA44-2L			1/2	1-1/4"	2.19	1.65	0.33	5.24							
YA44L-2TC12			1/2	1-1/4"	2.19	1.65	0.33	5.05							
YA44-2LN	1000 kcmil	500	1/2	1-3/4"	2.19	1.65	0.33	5.74	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT (2)	—	—	P44RT (3)	White	27	1-15/16
YA44-2LN			1/2	1-3/4"	2.19	1.65	0.33	5.74							

-- Color code not assigned

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required

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

▲ 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

Note: All dimensions shown are for reference only

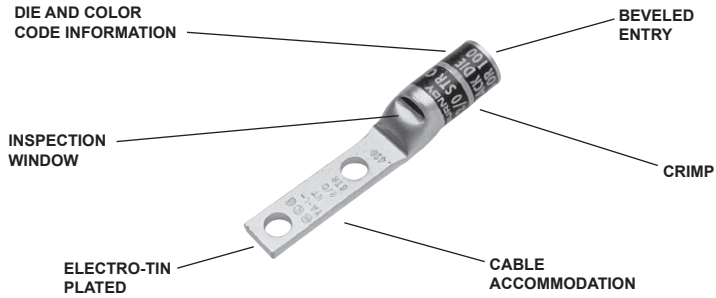
**TWO HOLE HYLUG™ CODE  
CONDUCTOR STANDARD  
BARREL NARROW TONGUE**

**TYPES YA-L-2NT**

**COPPER COMPRESSION  
TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175



C-31



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.

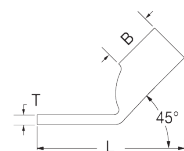
**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed for limited space applications
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

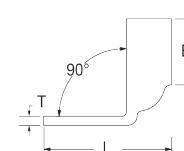
Straight



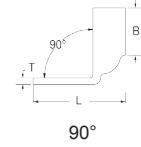
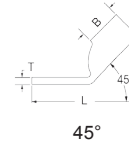
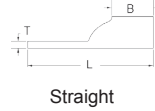
45°



90°



### TWO HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL NARROW TONGUE (Continued)



C-32

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



**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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling			Color Code	Die Index	Wire Strip Length
	AWG	MM² ***				(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic BCT500HS, Y500CTHS Y35, Y39, Y750 Y46, PAT750				
YA2CL2NT14	#2 AWG	35	1/4	5/8"	0.48	0.88	0.11	2.47	Y122CMR** (1) MRC840 (1) MY29-3 (1) MY29-11 (1)	W2CVT (1)	W2CVT (1)	U2CRT (1)	Brown	10	15/16
YA2CL2NT14E2			1/4	1/4"	0.48	0.88	0.11	2.60							
YA2CL2NT14E1			1/4	1"	0.48	0.88	0.11	2.84							
YA1CL-2NT14	#1 AWG	50	1/4	5/8"	0.50	0.88	0.11	2.55	Y644HSXT (1) Y1MRTC (2) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W1CVT (1)	W1CRT-1 (1)	U1CRT-1 (1)	Green	11	15/16
YA1CL2NT14E2			1/4	3/4"	0.50	0.88	0.10	2.68							
YA25L2NT14	1/0 AWG	—	1/4	5/8"	0.48	0.88	0.12	2.56	MRC840 (2) MY29-3 (1) MY29-11 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W25VT (2)	W25VT (2)	U25RT (1)	Pink	12	15/16
YA25L2NT14E1			1/4	1"	0.48	0.88	0.12	3.28							
YA26L2NT14	2/0 AWG	70	1/4	5/8"	0.48	0.94	0.12	2.66	MRC840 (2) MY29-3 (1) MY29-11 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W26VT (1)	W26VT (2) X26RT (2)	U26RT (1)	Black	13	1
YA26L2NT14E1			1/4	1"	0.48	0.94	0.12	3.03							
YA27L2NT14	3/0 AWG	—	1/4	5/8"	0.76	1.00	0.13	2.73	MRC840 (2) MY29-3 (1) MY29-11 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1-1/16
YA27L2NT38			3/8	1"	0.60	1.00	0.13	3.30							
YA27L2NT516	5/16	1"	0.60	1.00	0.13	3.26									
YA28L2NT14	4/0 AWG	—	1/4	5/8"	0.76	0.88	0.13	2.65		W28RT (2)	W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YA29L2NT38	250 kcmil	—	3/8	1"	0.80	1.00	0.16	3.43	MY29-3 (1) MY29-11 (1) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W29VT (2) X29RT (2)	W29VT (2) W29RT (2) X29RT (2)	U29RT (1)	Yellow	16	1-1/8
YA29L2NT38E16			3/8	1-3/4"	0.80	1.06	0.16	4.18							
YA31L2NT38	350 kcmil	185	3/8	1"	0.96	1.06	0.18	3.51	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (1) U29ART (2)	Red	18	1-1/8
YA31L2NT38E16			3/8	1-3/4"	0.88	1.06	0.18	4.26							
YA34L2NT38	500 kcmil	240	3/8	1"	0.96	1.27	0.23	3.65	Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT (1)	W34VT (4)	W34VT (4)	U34RT (2)	Brown	20 or 22	1-7/16
YA34L2NT38E16			3/8	1-3/4"	0.96	1.27	0.23	4.63							
YA34L2NT12E1	1/2	1"	0.96	1.27	0.23	4.13									
YA36L2NNT	600 kcmil	300	1/2	1-3/4"	1.12	1.38	0.27	5.43	Y644HSXT (1) Y81KFT (1)	—	—	U36RT (2)	Green	472	1-3/4
YA39L2NT38	750 kcmil	—	3/8	1"	1.63	1.42	0.27	4.34	Y81KFTMBH (1) PAT81KFT (1)	—	—	U39RT (2)	Black	24	1-1/2
YA39L2NT38E16			3/8	1-3/4"	1.30	1.42	0.27	5.11							
YA39L2NT12E1			1/2	1"	1.30	1.42	0.27	4.42							
YA44L2NTC12E24	1000 kcmil	—	1/2	1.85	1.63	1.65	0.33	5.65	Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT (2)	—	—	P44RT (3)	White	27	1-15/16

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
\*\* Y122CMR tool #10-#2 AWG Wire only

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

**Note:** All dimensions shown are for reference only.

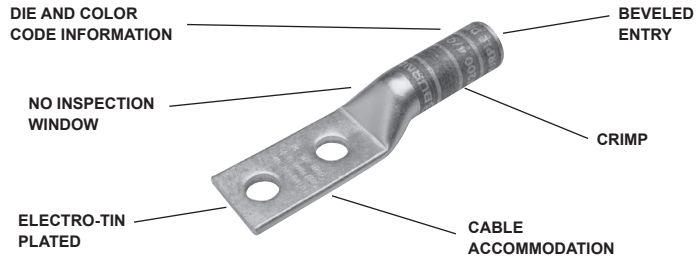


**TWO HOLE HYLUG™  
CODE CONDUCTOR LONG  
BARREL**

**TYPES YA-2N, YA-2TC, YA-4N**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175



C-33

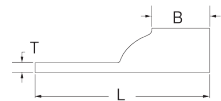


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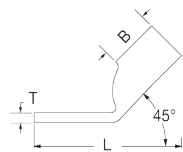
**Features & Benefits**

- 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
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

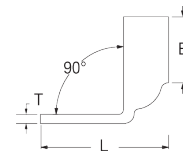
Straight



45°



90°



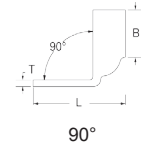
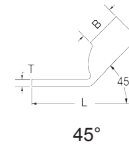
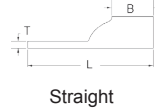
# Compression Connections

**BURNDY®**

Copper Compression — Code — Long Barrel — No Inspection Window

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

(Continued)



C-34

UL Listed 90° C, Up to 35 kV ♦



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.

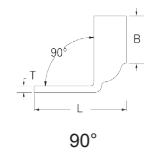
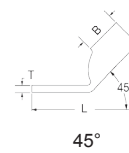
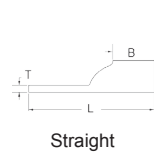
Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length									
	AWG	MM <sup>2</sup> ***				(B)	(T)	(L)		Mech.	Hydraulic		Color Code		Die Index								
											MD6, OUR840, MD7-34R	BCT500, Y500CT				Y35, Y39, Y750 Y46*, PAT750							
YA8C2TC14	#8 AWG #8 Flex G,H,I,K,M DLO 37/24	† 10	1/4	5/8"	0.44	0.81	0.08	2.33	Y8MRB-1 (2), Y1MRTC, MY293 (2), MY2911 (2), MRC840 (2), Y / PAT81KFT (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	7/8								
YA8C2TC14E2			1/4	3/4"	0.44	0.81	0.08	2.45															
YA8C2TC38			3/8	1"	0.58	0.81	0.06	2.89															
YA6C2TC14	#6 AWG Sol□/Str	—	1/4	5/8"	0.45	1.12	0.08	2.65	Y1MRTC (2), MY293 (2), MY29-11 (2), MRC840 (2), Y / PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16								
YA6C2TC14E2			1/4	3/4"	0.45	1.12	0.08	2.78															
YA6C2TC14E1			1/4	1"	0.45	1.12	0.08	3.03															
YA6C2TC38E2			3/8	3/4"	0.58	1.12	0.06	2.97															
YA6C2TC38E6			3/8	7/8"	0.58	1.12	0.06	3.09															
YA6C2TC38			3/8	1"	0.58	1.12	0.06	3.22															
YA6C2N			1/2	1-3/4"	0.83	1.12	0.12	4.40															
YA5C2N	#5 AWG	—	1/2	1-3/4"	0.83	1.12	0.12	4.43	MY293 (2), MY2911 (2), MRC840 (2), Y644 (1), Y / PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16								
YA4C2TC14	#4 AWG	—	1/4	5/8"	0.50	1.12	0.09	2.70	Y1MRTC (4), MY293 (2), MY2911 (2), MRC840 (2), Y644 (1), Y / PAT81KFT (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16								
YA4C2TC14E2			1/4	3/4"	0.50	1.12	0.09	2.83															
YA4C2TC38			3/8	1"	0.58	1.12	0.08	3.26															
YA4C2N			1/2	1-3/4"	0.83	1.12	0.12	4.45															
YA3C2TC14	#3 Str. #3 AWG #2 Sol.	25	1/4	5/8"	0.55	1.25	0.09	2.87	Y1MRTC (4), MY293 (2), MRC840 (2), Y644 (1), Y / PAT81KFT (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16								
YA3C2TC14E2			1/4	3/4"	0.55	1.25	0.09	2.99															
YA3C2TC38E2			3/8	3/4"	0.58	1.25	0.08	3.18															
YA3C2TC38			3/8	1"	0.58	1.25	0.08	3.43															
YA3C2N	1/2	1-3/4"	0.83	1.25	0.12	4.62																	
YA2C2TC14	#2 AWG	35	1/4	5/8"	0.60	1.25	0.11	2.86	Y122CMR** (4) Y1MRTC (4), MY293 (2), MY2911 (2), MRC840 (2), Y644 (1), Y / PAT81KFT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16								
YA2C2TC14E2			1/4	3/4"	0.60	1.25	0.11	2.98															
YA2C2TC516E2			5/16	3/4"	0.60	1.25	0.11	3.05															
YA2C2TC38E2			3/8	3/4"	0.60	1.25	0.11	3.17															
YA2C2TC38E6			3/8	7/8"	0.60	1.25	0.11	3.30															
YA2C2TC38			3/8	1"	0.60	1.25	0.11	3.42															
YA2C2NTC38			3/8	1-3/4"	0.60	1.25	0.11	4.17															
YA2C2N			1/2	1-3/4"	0.83	1.25	0.12	4.64															
YA1C2TC14			#1 AWG	50	1/4	5/8"	0.67	1.38								0.10	3.03	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11 or 375	1-7/16
YA1C2TC14E2					1/4	3/4"	0.67	1.38								0.10	3.15						
YA1C2TC38	3/8	1"			0.67	1.38	0.10	3.59															
YA1C2N	1/2	1-3/4"			0.83	1.38	0.12	4.82															

▲ See tooling section of this catalog for complete tool and die listings  
 \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 \*\* Y122CMR tool #10-#2 AWG Wire only

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor  
 † The MM<sup>2</sup> conductor size listed here is for Class 2 and Class 5 conductor  
 □ Y644 / PAT644 tooling not for use on 6 AWG Sol.

Available undrilled. Add suffix U to catalog number (example: YA25U)  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 Note: All dimensions shown are for reference only

**TWO HOLE HYLUG™  
CODE CONDUCTOR  
LONG BARREL  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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.

C-35

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length						
	AWG	MM² ***				(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index					
											BCT500, Y500CT	Y35, Y39, Y750 Y46*, PAT750								
YA252TC14	1/0 AWG	—	1/4	5/8"	0.75	1.38	0.12	3.05	MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12	1-7/16					
YA252TC14E2			1/4	3/4"	0.75	1.38	0.12	3.18												
YA252TC516			5/16	1"	0.75	1.38	0.12	3.49												
YA252TC38			3/8	1"	0.75	1.38	0.12	3.62												
YA252NTC38			3/8	1-3/4"	0.75	1.38	0.12	4.37												
YA252N	1/2	1-3/4"	0.83	1.38	0.11	4.81														
YA262TC14	2/0 AWG	70	1/4	5/8"	0.83	1.50	0.12	3.22		MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16				
YA262TC14E2			1/4	3/4"	0.83	1.50	0.12	3.34												
YA262TC38			3/8	1"	0.83	1.50	0.12	3.78												
YA262N			1/2	1-3/4"	0.83	1.50	0.12	4.97												
YA272TC14E2	3/0 AWG	—	1/4	3/4"	0.90	1.50	0.12	3.38			MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16			
YA272TC38			3/8	1"	0.90	1.50	0.12	3.82												
YA272N			1/2	1-3/4"	0.91	1.50	0.13	5.01												
YA282TC14E2	4/0 AWG	—	1/4	3/4"	1.02	1.62	0.14	3.55				MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16		
YA282TC38			3/8	1"	1.02	1.62	0.14	3.99												
YA282NTC38			3/8	1-3/4"	1.02	1.62	0.14	4.74												
YA282N			1/2	1-3/4"	1.02	1.62	0.14	5.17												
YA292TC38	250 kcmil	—	3/8	1"	1.10	1.62	0.16	4.02	MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)				W29VT (4) X29RT (8)	W29VT (4) W29RT (4)	U29RT (2)	Yellow	16	1-11/16		
YA292N			1/2	1-3/4"	1.11	1.62	0.16	5.21												
YA292TC58E16			5/8	1.75	1.11	1.62	0.16	5.27												
YA302TC38	300 kcmil	150	3/8	1"	1.20	2.00	0.16	4.45					MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17 or 298	2-1/16	
YA302N			1/2	1-3/4"	1.20	2.00	0.16	5.64												
YA312TC14E2	350 kcmil	185	1/4	3/4"	1.29	2.00	0.18	4.05		MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)				W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18 or 324	2-1/16	
YA312TC38			3/8	1"	1.29	2.00	0.18	4.49												
YA312N			1/2	1-3/4"	1.29	2.00	0.18	5.69												
YA322TC38	400 kcmil	—	3/8	1"	1.40	2.12	0.19	4.66			MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)			W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16	
YA322N			1/2	1-3/4"	1.40	2.12	0.19	5.85												
YA332N	450 kcmil	—	1/2	1-3/4"	1.48	2.13	0.21	5.93						MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)	W33VT (4)	W33VT (4) W33RT (4)	U33RT	Gray	326 or 538	2-3/16
YA342TC14E2	500 kcmil	240	1/4	3/4"	1.55	2.25	0.23	4.46				MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)								
YA342TC38			3/8	1"	1.55	2.25	0.23	4.90												
YA342N			1/2	1-3/4"	1.55	2.25	0.23	6.06												
YA352N	550 kcmil	—	1/2	1-3/4"	1.65	2.63	0.25	6.49							MY293 (2), MY2911 (2), MRC840 (4), Y644 (1), Y / PAT81KFT (2)	—	—	U35RT (4) U36RT (4) U32ART (4)	Yellow	21
YA362TC38	600 kcmil	300	3/8	1"	1.74	2.69	0.26	5.59												
YA362N			1/2	1-3/4"	1.74	2.69	0.27	6.59												

▲ See tooling section of this catalog for complete tool and die listings  
 \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 \*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adaptor not required

\*\*\* The MM² conductor sizes listed are the recommendations for Class 2 conductor  
 † The MM² conductor size listed here is for Class 2 and Class 5 conductor

Available undrilled. Add suffix U to catalog number (example: YA25U)  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only

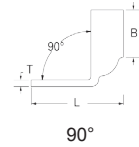
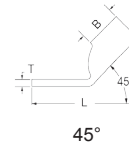
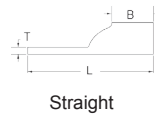
# Compression Connections

**BURNDY®**

Copper Compression — Code — Long Barrel — No Inspection Window

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

(Continued)



C-36

UL Listed 90° C, Up to 35 kV ♦



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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling													
	AWG	MM <sup>2</sup> ***				(B)	(T)	(L)	Dieless (# of crimps)	Mech.		Hydraulic		Color Code	Die Index	Wire Strip Length						
										MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y750 Y46*, PAT750										
YA372N	650 kcmil	—	1/2	1-3/4"	1.80	2.81	0.27	6.74	Y644 (1) Y / PAT81KFT (4)	—	—	U37RT (4)	Orange	23	2-7/8							
YA382TC38	700 kcmil	—	3/8	1"	1.84	2.81	0.27	5.76				U38RT (4)	Pink	400	2-7/8							
YA382N			1/2	1-3/4"	1.84	2.81	0.27	6.77				U39RT (4) P39RT (4)	Black	24	2-15/16							
YA392NT38	3/8	1"	1.91	2.88	0.27	5.87																
YA392TC38	3/8	1"	1.63	2.88	0.27	5.87																
YA392N	1/2	1-3/4"	1.91	2.88	0.27	6.87																
YA392ENNT	750 kcmil	—	1/2	1.75	1.30	2.88	—	6.87				—	—	—	P40RT (4)	Orange	25	3				
YA402N			800 kcmil	400	1/2	1-3/4"	1.98	2.94							0.30	6.95	P41D (2)** P44PR	Gold	26	3		
YA412N	850 kcmil	—	1/2	1-3/4"	2.01	2.94	0.31	6.96							P44RT (4)	White	27	3-1/16				
YA442TC38	1000 kcmil	500	3/8	1"	2.19	3.00	0.33	6.14							P44RT (4)	White	27	3-1/16				
YA442N	1000 kcmil	500	1/2	1-3/4"	2.19	3.00	0.32	7.14	—	—	—				P45RT (6)	Yellow	29	3-1/4				
YA452N	1250 kcmil	—	1/2	1-3/4"	2.46	3.19	0.38	7.44							—	Orange	30	3-1/4				
YA4532N	1300 kcmil	—	1/2	1-3/4"	2.53	3.19	0.39	7.48							P46RT (6)	Green	31	3-1/4				
YA462N	1500 kcmil	—	1/2	1-3/4"	2.69	3.19	0.40	7.55														
YA472N	1750 kcmil	—	1/2	1-3/4"	2.90	3.44	0.42	7.89											—	Gray	33	3-1/2
YA482N	2000 kcmil	—	1/2	1-3/4"	3.10	3.44	0.46	7.98											—	Brown	34	3-1/2

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

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™

\*\* P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adaptor not required

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

† The MM<sup>2</sup> conductor size listed here is for Class 2 and Class 5 conductor

Available undrilled. Add suffix U to catalog number (example: YA25U)

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

Note: All dimensions shown are for reference only

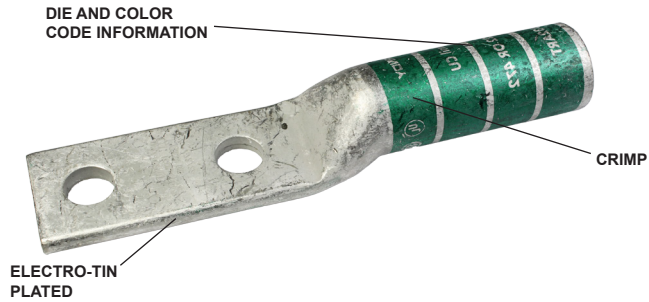
**TWO HOLE HYLUG™  
CODE CONDUCTOR LONG  
BARREL NARROW TONGUE**

**TYPES YA-2NT**

**COPPER COMPRESSION  
TERMINAL**

UL Listed 90° C,  
Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175



C-37

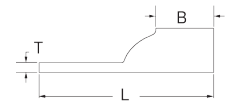


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

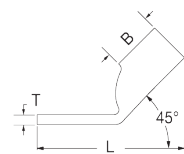
**Features & Benefits**

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Narrow tongue/tang is designed for limited space applications
- 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
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

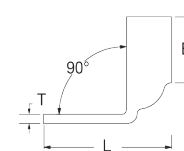
Straight



45°



90°

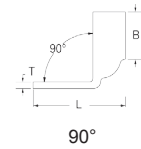
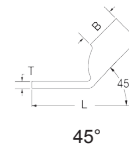
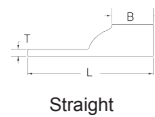


# Compression Connections

**BURNDY®**

Copper Compression — Code — Two Hole Narrow Tongue — Long Barrel

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL NARROW TONGUE (Continued)



C-38

UL Listed 90° C, Up to 35 kV ♦



**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.

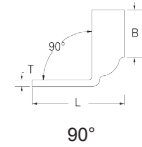
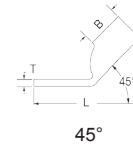
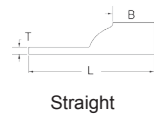
Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	▲ Installation Tooling				Wire Strip Length		
	AWG	*** MM <sup>2</sup>				(B)	(T)	(L)		Mechanical		Hydraulic			Color Code	Die Index
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39 Y750, Y46* PAT750				
YA8C2NT8	#8 AWG #8 Flex G,H,I,K,M DLO 37/24	10	#8	5/8"	0.33"	0.81"	0.09"	2.14"	Y122CMR (2) Y1MRTC (2) MY29-3 (2) MY29-11 (2) MRC840 (2) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W8CRT (2) W8CVT (2) X8CRT (2)	W8CRT (2) W8CVT (2) X8CRT (2)	U8CRT (1)	Red	49	7/8"	
YA6C2NT8	#6 AWG Sol□/Str	—	#8	5/8"	0.33"	0.81"	0.09"	2.14"	Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W5CRT (2) W5CVT (2) X5CRT (2) X8CART (2)	W5CRT (2) W5CVT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT(2)	Blue	7 or 374	1-3/16"	
YA4C2NT10	#4 AWG	—	#10	5/8"	0.33"	1.12"	0.09"	2.47"	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Black	8 or 346	1-3/16"	
YA4C2NT14			1/4"	5/8"	0.49"	1.12"	0.09"	2.70"	Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)							
YA2C2NT14	#2 AWG	35	1/4"	5/8"	0.48"	1.25"	0.11"	2.86"	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (1)	Brown	10	1-5/16"	
YA2C2NT14E2			1/4"	3/4"	0.75"	1.25"	0.11"	2.99"								
YA2C2NT14E1			1/4"	1"	0.60"	1.00"	0.13"	3.26"								
YA1C2NT10	#1 AWG	50	#10	5/8"	0.50"	1.38"	0.10"	2.90"	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11 or 375	1-7/16"	
YA1C2NT14			1/4"	5/8"	0.50"	1.38"	0.10"	3.03"								
YA1C2NT14E2			1/4"	3/4"	0.75"	1.38"	0.10"	3.15"								
YA1C2TC38			3/8"	1"	0.60"	1.38"	0.10"	3.59"								
YA1C2N			1/2"	1-3/4"	0.83"	1.38"	0.12"	4.82"								

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
□ Y644 / PAT644 tooling not for use on 6 AWG Sol.  
**Note:** All dimensions shown are for reference only.

**TWO HOLE HYLUG™  
CODE CONDUCTOR LONG  
BARREL NARROW TONGUE  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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.

C-39

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling				Wire Strip Length		
	AWG	*** MM <sup>2</sup>				(B)	(T)	(L)	Dieless (# of crimps)	Mechanical	Hydraulic			Color Code	Die Index
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39 Y750, Y46* PAT750			
YA252NT14	1/0 AWG	—	1/4"	5/8"	0.48"	1.38"	0.09"	3.05"	MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25CRT (2) U2CABT (2)	Pink	12	1-7/16"
YA252NT14E1			1/4"	1"	0.48"	1.38"	0.09"	3.05"							
YA252NT38			3/8"	1"	0.48"	1.38"	0.09"	3.05"							
YA262NT14	2/0 AWG	70	1/4"	5/8"	0.48"	1.50"	0.12"	3.22"	MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16"
YA262NT14E1			1/4"	1"	0.48"	1.50"	0.12"	3.59"							
YA262NT516			5/16"	1"	0.52"	1.50"	0.13"	3.66"							
YA262NT38			3/8"	1"	0.62"	1.50"	0.13"	3.78"							
YA272NT14	3/0 AWG	—	1/4"	5/8"	0.60"	1.50"	0.13"	3.26"	MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16"
YA272NT516			5/16"	1"	0.60"	1.50"	0.13"	3.70"							
YA272NT38			3/8"	1"	0.76"	1.50"	0.13"	3.82"							
YA282NT14	4/0 AWG	—	1/4"	5/8"	0.76"	1.62"	0.14"	3.42"	MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16"
YA282NT516			5/16"	1"	0.76"	1.62"	0.14"	3.86"							
YA282NT38			3/8"	1"	0.76"	1.62"	0.10"	3.99"							
YA292NT14	250 kcmil	—	1/4"	5/8"	0.76"	1.62"	0.16"	3.49"	MY29-3 (2) MY29-11 (2) Y644HSXT (1) Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	1-11/16"
YA292NT516			5/16"	1"	0.76"	1.62"	0.16"	3.90"							
YA292NT38			3/8"	1"	0.76"	1.62"	0.16"	4.02"							
YA292NT38E16			3/8"	1-3/4"	0.76"	1.62"	0.16"	4.77"							
YA292NNT			1/2"	1-3/4"	0.96"	1.62"	0.16"	5.21"							
YA302NT38	300 kcmil	150	3/8"	1"	0.52"	2.00"	0.13"	3.66"	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17 or 298	2-1/16"

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indentor system contact factory.

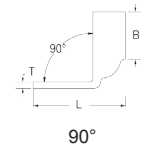
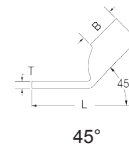
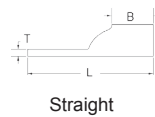
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
**Note:** All dimensions shown are for reference only.

# Compression Connections

**BURNDY®**

Copper Compression — Code — Two Hole Narrow Tongue — Long Barrel

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL NARROW TONGUE (Continued)



C-40

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling					Wire Strip Length	
	AWG	*** MM <sup>2</sup>				(B)	(T)	(L)	Dieless (# of crimps)	Mechanical	Hydraulic		Color Code		Die Index
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39 Y750, Y46* PAT750			
YA312NT38	350 kcmil	185	3/8"	1"	0.96"	2.00"	0.18"	4.48"	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18 or 324	2-1/16"
YA312NT38E16			3/8"	1-3/4"	0.96"	2.00"	0.18"	5.24"							
YA322NT38	400 kcmil	—	3/8"	1"	0.96"	2.12"	0.19"	4.66"	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16"
YA322NNT			1/2"	1-3/4"	0.96"	2.00"	0.18"	5.24"							
YA342NT38	500 kcmil	240	3/8"	1"	0.96"	2.25"	0.23"	4.90"	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART (2)	Brown	20 or 299	2-5/16"
YA342NT38E16			3/8"	1-3/4"	0.96"	2.25"	0.23"	4.90"							
YA342NNT			1/2"	1-3/4"	0.76"	2.25"	0.23"	6.08"							
YA342NT58			5/8"	1-3/4"	1.29"	2.25"	0.23"	6.15"							
YA362NT38	600 kcmil	300	3/8"	1-3/4"	1.12"	2.69"	0.26"	6.59"	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	-	-	U36RT (4) U32ART (4)	Green	22 or 472	2-3/4"
YA362NNT			1/2"	1-3/4"	1.47"	2.69"	0.27"	6.59"							
YA362NT12			1/2"	1-3/4"	1.12"	2.69"	0.26"	6.59"							
YA392NT38	750 kcmil	—	3/8"	1"	1.12"	2.88"	0.16"	5.87"	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	-	-	U39RT (4) P39RT (4)	Black	24	2-15/16"
YA392NT38E16			3/8"	1-3/4"	1.12"	2.88"	0.16"	6.43"							
YA392NNT			1/2"	1-3/4"	1.63"	2.88"	0.26"	6.87"							
YA392ENNT			1/2"	1-3/4"	1.30"	2.88"	0.26"	6.87"							
YA392NT58			5/8"	1-3/4"	1.30"	2.88"	0.26"	6.93"							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
**Note:** All dimensions shown are for reference only.



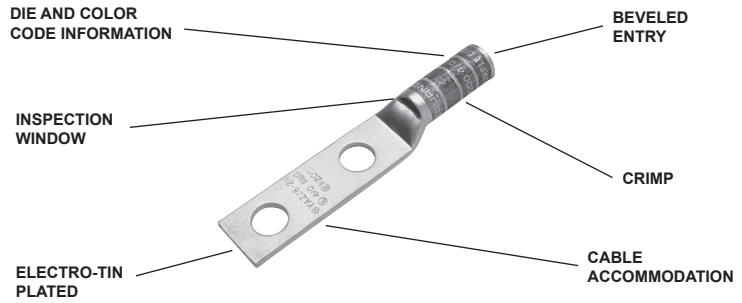
**TWO HOLE HYLUG™  
CODE CONDUCTOR LONG  
BARREL WITH INSPECTION  
WINDOW**

TYPES YAZ-2N, YAZ-2TC

**COPPER COMPRESSION  
TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available. Please contact Customer Service to order: 1-800-346-4175



C-41

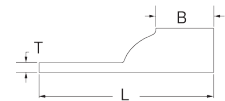


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

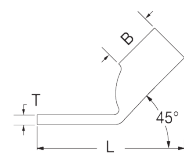
**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

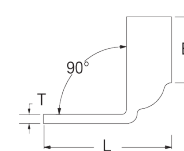
Straight



45°



90°

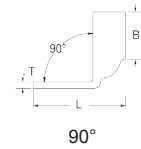
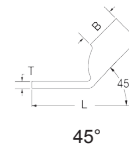
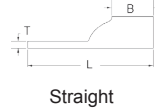


# Compression Connections

**BURNDY®**

Copper Compression — Code — Long Barrel — Inspection Window

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL WITH INSPECTION WINDOW



C-42

(Continued)

UL Listed 90° C, Up to 35 kV ♦



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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG	MM <sup>2</sup> ***				(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic		Color Code		Die Index
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750, Y46, PAT750			
YAZV10-2TC14	14-10 AWG	6	1/4	5/8"	0.41	0.69	0.05	2.16	MR20 (2) Y8MRB-1 (2) Y122CMR (2)	—	—	—	—	—	3/4
YAZV10-2TC14E2			1/4	3/4"	0.41	0.69	0.05	2.28	—	—	—	—	—		
YAZ8C-2TC10	#8 AWG #8 Flex G,H,I,K,M DLO 37/24	† 10	#10	5/8"	0.41	0.75	0.08	2.07	Y122CMR (2) Y1MRTC (2) Y8MRB-1 (2) MY293 (2) MY2911 (2) MRC840 (2) Y / PAT81KFT (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	7/8
YAZ8C-2TC10E2			#10	3/4"	0.41	0.75	0.08	2.19							
YAZ8C-2TC14			1/4	5/8"	0.44	0.75	0.08	2.19							
YAZ8C-2TC14E2			1/4	3/4"	0.44	0.75	0.08	2.32							
YAZ8C-2TC14E1			1/4	1"	0.44	0.75	0.08	2.57							
YAZ8C-2TC38			3/8	1"	0.58	0.75	0.06	2.76							
YAZ6C-2TC10E2	#6 AWG Sol. / Str	—	#10	3/4"	0.42	1.12	0.09	2.65	Y122CMR (2) MY293 (2) MY2911 (2) MRC840 (2) Y644 (1) Y1MRTC (2) Y / PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16
YAZ6C-2TC14			1/4	5/8"	0.45	1.12	0.08	2.65							
YAZ6C-2TC14E2			1/4	3/4"	0.45	1.12	0.08	2.78							
YAZ6C-2TC14E1			1/4	1"	0.45	1.12	0.08	3.03							
YAZ6C-2TC38E2			3/8	3/4"	0.58	1.12	0.06	2.97							
YAZ6C-2TC38E6			3/8	7/8"	0.58	1.12	0.06	3.09							
YAZ6C-2TC38			3/8	1"	0.58	1.12	0.06	3.22							
YAZ6C2TC38E16			3/8	1.75	0.58	1.12	0.06	3.97							
YAZ6C-2N			1/2	1-3/4"	0.83	1.12	0.12	4.40							
YAZ5C-2N			#5 AWG	—	1/2	1-3/4"	0.83	1.12							
YAZ4C-2TC10-E2	#4 AWG	—	#10	3/4"	0.50	1.12	0.09	2.67	Y122CMR (4) Y1MRTC (4) MY293 (2) MY29-1 (2) MRC840 (2) Y644 (2) Y / PAT81KFT (1)	W4CVT (2) X4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16
YAZ4C-2TC14			1/4	5/8"	0.50	1.12	0.09	2.67							
YAZ4C-2TC14E2			1/4	3/4"	0.50	1.12	0.09	2.80							
YAZ4C-2TC38			3/8	1"	0.58	1.12	0.08	3.23							
YAZ4C-2N			1/2	1-3/4"	0.83	1.12	0.12	4.45							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

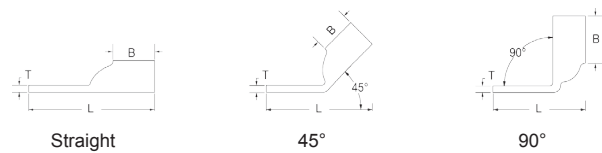
▲ See tooling section of this catalog for complete tool and die listings.

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

□ Y644 / PAT644 tooling not for use on 6 AWG Sol.

Note: All dimensions shown are for reference only.

**TWO HOLE HYLUG™  
CODE CONDUCTOR LONG  
BARREL WITH INSPECTION  
WINDOW**



(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.

UL Listed 90° C, Up to 35 kV ♦

C-43

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length										
	AWG	MM <sup>2</sup> ***				(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index									
											BCT500HS, Y500CTS	Y35, Y39, Y750 Y46, PAT750												
YAZ3C-2TC14	#3 AWG #2 Sol	25	1/4	5/8"	0.55	1.25	0.09	2.83	Y122CMR (4) Y1MRCT (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644 (1) Y / PAT81KFT (2)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16									
YAZ3C-2TC14E2			1/4	3/4"	0.55	1.25	0.09	2.95																
YAZ3C-2TC38E2			3/8	3/4"	0.58	1.25	0.08	3.14																
YAZ3C-2TC38			3/8	1"	0.58	1.25	0.08	3.39																
YAZ3C-2N			1/2	1-3/4"	0.83	1.25	0.12	4.62																
YAZ2C-2TC10E2	#2 AWG	35	#10	3/4"	0.60	1.25	0.11	2.85	Y1MRCT (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644 (1) Y / PAT81KFT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16									
YAZ2C-2TC14			1/4	5/8"	0.60	1.25	0.11	2.85																
YAZ2C-2TC14E2			1/4	3/4"	0.60	1.25	0.11	2.97																
YAZ2C-2TC14E1			1/4	1"	0.60	1.25	0.11	3.22																
YAZ2C2TC516E7			5/16	.63	0.60	1.25	0.11	2.91																
YAZ2C-2TC516E2			5/16	3/4"	0.60	1.25	0.11	3.03																
YAZ2C-2TC38E2			3/8	3/4"	0.60	1.25	0.11	3.16																
YAZ2C-2TC38E6			3/8	7/8"	0.60	1.25	0.11	3.28																
YAZ2C-2TC38			3/8	1"	0.60	1.25	0.11	3.41																
YAZ2C-2NTC38			3/8	1-3/4"	0.60	1.25	0.11	4.16																
YAZ2C-2N			1/2	1-3/4"	0.83	1.25	0.12	4.64																
YAZ1C-2TC14			#1 AWG	50	1/4	5/8"	0.67	1.38								0.10	3.01	Y1MRCT (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644 (1) Y / PAT81KFT (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2) U4CABT (2)	Green	11 or 375	1-7/16
YAZ1C-2TC14E2					1/4	3/4"	0.67	1.38								0.10	3.13							
YAZ1C-2TC38	3/8	1"			0.67	1.38	0.10	3.57																
YAZ1C-2N	1/2	1-3/4"			0.83	1.38	0.12	4.82																
YAZ25-2TC14	1/0 AWG	—	1/4	5/8"	0.75	1.38	0.12	3.04	MY29-3 (2) MY29-11 (2) MRC840 (4) Y644 (1) Y / PAT81KFT (2)	W25RT (4) W25VT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12 or 348	1-7/16									
YAZ25-2TC14E2			1/4	3/4"	0.75	1.38	0.12	3.16																
YAZ25-2TC14E1			1/4	1"	0.75	1.38	0.12	3.41																
YAZ252TC14E3			1/4	1.00	0.75	1.38	0.12	3.42																
YAZ25-2TC516E6			5/16	7/8"	0.75	1.38	0.12	3.35																
YAZ25-2TC516			5/16	1"	0.75	1.38	0.12	3.47																
YAZ25-2TC38			3/8	1"	0.75	1.38	0.12	3.60																
YAZ25-2NTC38			3/8	1-3/4"	0.75	1.38	0.12	4.35																
YAZ25-2N	1/2	1-3/4"	0.83	1.38	0.11	4.79																		
YAZ26-2TC14	2/0 AWG	70	1/4	5/8"	0.83	1.50	0.12	3.20	MY29-3 (2) MY29-11 (2) MRC840 (4) Y644 (1) Y / PAT81KFT (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16									
YAZ26-2TC14E2			1/4	3/4"	0.83	1.50	0.12	3.32																
YAZ262TC14E1			1/4	1.00	0.83	1.50	0.12	3.57																
YAZ26-2TC38			3/8	1"	0.83	1.50	0.12	3.76																
YAZ262TC38E16			3/8	1.75	0.83	1.50	0.12	4.51																
YAZ26-2N			1/2	1-3/4"	0.83	1.50	0.12	4.95																
YAZ27-2TC14E2	3/0 AWG	—	1/4	3/4"	0.90	1.50	0.12	3.36	MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y / PAT81KFT (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16									
YAZ27-2TC38			3/8	1"	0.90	1.50	0.12	3.80																
YAZ27-2N			1/2	1-3/4"	0.91	1.50	0.12	4.98																

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

▲ 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.

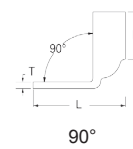
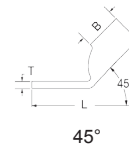
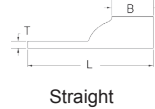
Note: All dimensions shown are for reference only.

# Compression Connections

Copper Compression — Code — Long Barrel — Inspection Window

**BURNDY®**

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL WITH INSPECTION WINDOW



C-44

(Continued)

UL Listed 90° C, Up to 35 kV ♦



**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.

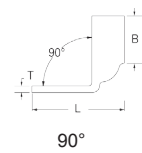
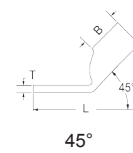
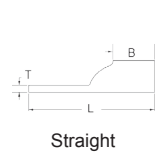
Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling				Wire Strip Length		
	AWG	MM <sup>2</sup> ***				(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic			Color Code	Die Index
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46, PAT750			
YAZ28-2TC14E2	4/0 AWG	—	1/4	3/4"	1.02	1.62	0.14	3.55	MY29-3 (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZ28-2TC38			3/8	1"	1.02	1.62	0.14	3.99	MY29-11 (2)						
YAZ28-2NTC38			3/8	1-3/4"	1.02	1.62	0.14	4.74	MRC840 (4) Y644 (1)						
YAZ28-2N			1/2	1-3/4"	1.02	1.62	0.14	5.15	Y / PAT81KFT (2)						
YAZ29-2TC38	250 kcmil	—	3/8	1"	1.10	1.62	0.14	3.99	MY29-3 (2) MY29-11 (2)	W29VT (4) W29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	1-11/16
YAZ29-2N			1/2	1-3/4"	1.10	1.62	0.16	5.18	Y644HSXT (1) Y / PAT81KFT (2)						
YAZ30-2TC38	300 kcmil	150	3/8	1"	1.20	2.00	0.16	4.42	Y644HSXT (1) Y / PAT81KFT (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17 or 298	2-1/16
YAZ30-2N			1/2	1-3/4"	1.20	2.00	0.16	5.60							
YAZ31-2TC14E2	350 kcmil	185	1/4	3/4"	1.29	2.00	0.18	4.02	Y644HSXT (1) Y / PAT81KFT (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18 or 324	2-1/16
YAZ31-2TC38			3/8	1"	1.29	2.00	0.18	4.45							
YAZ31-2N			1/2	1-3/4"	1.29	2.00	0.18	5.64							
YAZ32-2TC38	400 kcmil	—	3/8	1"	1.40	2.12	0.19	4.62	Y644HSXT (1) Y / PAT81KFT (3)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16
YAZ32-2N			1/2	1-3/4"	1.40	2.12	0.19	5.81							
YAZ33-2N	450 kcmil	—	1/2	1-3/4"	1.48	2.12	0.21	5.89	Y644HSXT (1) Y / PAT81KFT (4)	W33VT (4)	W33VT (4) W33RT (4)	U33RT (4)	Gray	326 or 538	2-5/16
YAZ34-2TC14E2	500 kcmil	240	1/4	3/4"	1.55	2.25	0.23	4.42	Y644HSXT (1) Y / PAT81KFT (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART (4)	Brown	20 or 299	2-5/16
YAZ34-2TC38			3/8	1"	1.55	2.25	0.23	4.85							
YAZ34-2N			1/2	1-3/4"	1.55	2.25	0.23	6.04							
YAZ35-2N	550 kcmil	—	1/2	1-3/4"	1.65	2.62	0.25	6.45	Y644 (1) Y / PAT81KFT (4)	—	—	U35RT (4)	Yellow	21	2-11/16
YAZ36-2TC38	600 kcmil	300	3/8	1"	1.74	2.69	0.26	5.55	Y644 (1) Y / PAT81KFT (4)	—	—	U36RT (4) U32ART (4)	Green	22 or 472	2-3/4
YAZ36-2N			1/2	1-3/4"	1.74	2.69	0.26	6.55							
YAZ37-2N	650 kcmil	—	1/2	1-3/4"	1.80	2.81	0.27	6.70	Y644 (1) Y / PAT81KFT (4)	—	—	U37RT (4)	Orange	23	2-7/8
YAZ38-2N	700 kcmil	—	1/2	1-3/4"	1.84	2.81	0.27	6.72	Y644 (1) Y / PAT81KFT (4)	—	—	U38RT (4)	Pink	400	2-7/8
YAZ39-2NT38	750 kcmil	—	3/8	1"	1.63	2.88	0.27	5.82	Y644 (1) Y / PAT81KFT (4)	—	—	U39RT (4) P39RT (4)**	Black	24	2-15/16
YAZ39-2TC38			3/8	1"	1.91	2.88	0.27	5.82							
YAZ39-2N			1/2	1-3/4"	1.91	2.88	0.27	6.82							
YAZ39-2NNT			1/2	1-3/4"	1.63	2.88	0.27	6.82							
YAZ40-2N	800 kcmil	400	1/2	1-3/4"	1.98	2.94	0.30	6.89	Y644 (1) Y / PAT81KFT (4)	—	—	P40RT (4)**	Orange	25	3
YAZ41-2N	850 kcmil	—	1/2	1-3/4"	2.01	2.94	0.31	6.91	Y644 (1) Y / PAT81KFT (4)	—	—	—	Gold	26	3

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
\*\* P-RT die sets for use in Y46 HYPRESS™ only; PUADP-1 adaptor not required

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor  
▲ 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.  
**Note:** All dimensions shown are for reference only.

**TWO HOLE HYLUG™  
CODE CONDUCTOR LONG  
BARREL WITH INSPECTION  
WINDOW**



C-45

(Continued)

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling					Wire Strip Length
	AWG	MM <sup>2</sup> ***				(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code	Die Index	
											BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46, PAT750			
YAZ44-2TC38	1000 kcmil	500	3/8	1"	2.19	3.00	0.33	6.09	Y644 (1) Y / PAT81KFT (4)	—	—	P44RT (4) **	White	27	3-1/16
YAZ44-2N	1250 kcmil	—	1/2	1-3/4"	2.19	3.00	0.33	7.08				P45RT (6) **	Yellow	29	3-1/4
YAZ45-2N	1300 kcmil	—	1/2	1-3/4"	2.46	3.19	0.38	7.38	—	—	—	—	Orange	30	2-1/16
YAZ453-2N	1500 kcmil	—	1/2	1-3/4"	2.69	3.19	0.40	7.48				P46RT (6) **	Green	31	3-5/16
YAZ46-2N	1750 kcmil	—	1/2	1-3/4"	2.90	3.44	0.42	7.82				—	Gray	33	3-1/2
YAZ47-2N	2000 kcmil	—	1/2	1-3/4"	3.10	3.44	0.46	7.89				—	Brown	34	3-1/2

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* P-RT die sets for use in Y46 HYPRESS™ only; PUADP-1 adaptor not required

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor  
 ▲ 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.  
**Note:** All dimensions shown are for reference only.

# Compression Connections

**BURNDY®**

Copper Compression — Code — Long Barrel — No Inspection Window

## FOUR HOLE HYLUG™ CODE CONDUCTOR

### TYPE YA

C-46

UL Listed 90° C, Up to 35 kV ♦

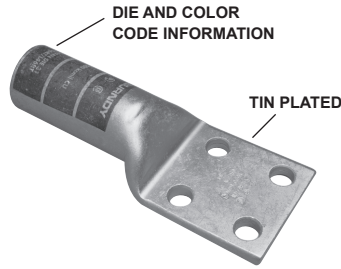
45° and 90° angles are available.

Please contact Customer Service to order:

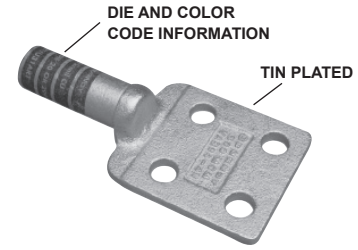
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**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



YA-4N

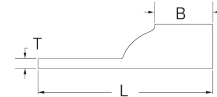


YAB-4N

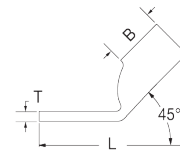
### Features & Benefits

- 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
- Four hole tongue/tang is recommended when space permits as the 4-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

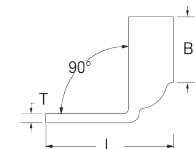
Straight



45°



90°



Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Tongue Angle	Installation Tooling						Wire Strip Length
	AWG	*** MM <sup>2</sup>					Barrel Length	Tongue Thickness	Length (Total)	Hydraulic (Y35, Y39, Y750 Y46*)			
										* **	Color Code	Die Index	
YAB344N	500 kcmil	—	1/2	1.75"	3.00	Straight	2.25	0.25	6.33	U34RT	Brown	20	2-5/16
YAB364N	600 kcmil	—	5/8	1.75"	3.00	Straight	2.69	0.25	6.79	U36RT	Green	22	2-3/4
YAB394N	750 kcmil	—	1/2	1.75"	3.00	Straight	2.88	0.25	7.15	U39RT	Black	24	2-15/16
YA444N	1000 kcmil	500	1/2	1.75"	3.00	Straight	3.00	0.23	7.14	P44RT	White	27	3-1/16
YA454N	1250 kcmil	—	1/2	1.75"	3.00	Straight	3.19	0.30	7.44	P45RT	Yellow	29	3-1/4
YA464N	1500 kcmil	—	1/2	1.75"	3.00	Straight	3.19	0.34	7.55	P46RT	Green	31	3-1/4
YA474N	1750 kcmil	—	1/2	1.75"	2.90	Straight	3.44	0.39	7.89	‡L47RT	Gray	33	3-1/2
YA484N	2000 kcmil	—	1/2	1.75"	3.10	Straight	3.44	0.46	7.98	‡L48RT	Brown	34	3-1/2
YA4864N	2500 kcmil	—	1/2	1.75"	3.46	Straight	4.69	0.52	9.38	‡L486RT	—	—	4-3/4

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™

\*\* P dies for use with Y46 HYPRESS™ only. PUADP-1 adaptor not required

\*\*\* The MM<sup>2</sup> conductor sizes listed are for Class 2 conductor. For applications greater than 2000 Volts, consult cable manufacturer for voltage stress relief instructions  
Available undrilled. Add suffix U to catalog number (example YA444NU)

‡ Requires Y60BHU HYPRESS™

▲ Not UL Listed

Note: All dimensions shown are for reference only

Copper Wire Table									
*Terminal Designation	Barrel O.D. (IN)	Code	Flexible Nominal Wire Size / Wire Classes / Wire Class Stranding					DLO	
		Class B, C	Flex Size (Nominal)	G	H	I	K		M
**YAV10	0.21	#14 - #10 AWG	#14 - #10 AWG	—	—	26/24	104/30	259/34	27/24
**YA8C	0.27	#8 AWG	#8 AWG	49	133	41/24	168/30	420/34	37/24
YAV6C	0.31	#6 AWG	#6 AWG	49	133	63/24	266/30	655/34	61/24
YA5C	0.30	#5 AWG	#5 AWG	49	133	84/24	336/30	836/34	91/24
YAV4C	0.38	#4 AWG	#4 AWG	49	133	105/24	420/30	1064/34	105/24
YAV3C	0.42	#3 AWG	#3 AWG	49	133	133/24	532/30	1323/34	125/24
YAV2C	0.46	#2 AWG	#2 AWG	49	133	161/24	665/30	1666/34	150/24
YAV1C	0.51	#1 AWG	#1 AWG	133	259	210/24	835/30	2107/34	225/24
YAV25-FX	0.56	1/0 AWG	1/0 AWG	133	259	226/24	1064/30	2646/34	275/24
YAV26-FX	0.63	2/0 AWG	2/0 AWG	133	259	342/24	1323/30	3325/34	325/24
YAV27-FX	0.70	3/0 AWG	3/0 AWG	133	259	418/24	1666/30	4256/34	450/24
YAV28-FX	0.77	4/0 AWG	4/0 AWG	133	427	532/24	2107/30	5320/34	550/24
YAV29	0.80	250 kcmil	4/0	(4/0 AWG) 133	(4/0 AWG) 427	(4/0 AWG) 532/24	(4/0 AWG) 2107/30	(4/0 AWG) 5320/34	(4/0 AWG) 550/24
YA30-FX	0.81	250 kcmil	250 kcmil	259	427	—	—	—	—
YA31-FX	0.88	250 kcmil	250 kcmil	—	—	637/24	2499/30	6348/34	262 (650/24)
YA32-FX	0.95	300 kcmil	300 kcmil	259	427	735/24	2989/30	7581/34	313 (775/24)
YA34-FX	1.06	350 kcmil	350 kcmil	259	427	882/24	3458/30	8806/34	373 (925/24)
YA36-FX	1.19	500 kcmil	500 kcmil	259	427	—	—	—	444 (1100/24)
YA38-FX	1.25	500 kcmil 550 kcmil	500 kcmil 550 kcmil	— 427	427 703	1225/24 1372/24	5054/30 —	— —	535 (1325/24)
YA39-FX	1.30	600 kcmil	600 kcmil	427	703	1470/24	5985/30	—	1470/24
YA40-FX	1.35	650 kcmil	650 kcmil	427	—	—	—	—	646 (1600/24)
YA44-FX	1.50	750 kcmil	750 kcmil	427	703	1862	—	—	777 (1925/24)
YA46-FX	1.84	1000 kcmil	1000 kcmil	—	—	—	—	—	1111 (2750/24)

\*Catalog Number with suffix "FX" denote connectors that accommodate Copper Flexible Wire

C-47

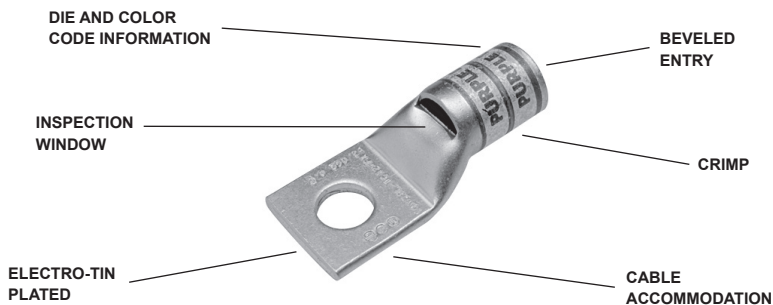
## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL

C-48

TYPES YA-L, YA-L-FX, YAV,  
YAV-L-FX

### COPPER COMPRESSION TERMINAL

UL Listed 90° C, Up to 35 kV ♦  
45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175

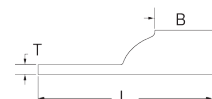


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

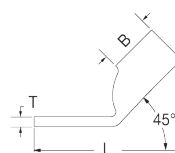
### Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section

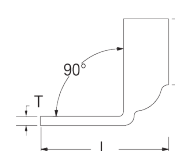
Straight



45°

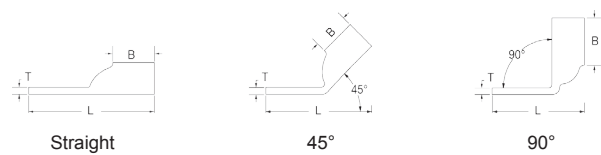


90°





**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL**  
(Continued)



UL Listed 90° C, Up to 35 kV ♦



**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.

C-49

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM² ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.		Hydraulic	Color Code		Die Index
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS				
YA8CL-BOX	#8 AWG G,H,I,K,M, DLO (37/24)	** 10	#8 - #10	0.41	0.44	0.08	1.16	Y122CMR (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16
YA8CL1-BOX			1/4	0.44	0.44	0.08	1.26	Y1MRTC (1)						
YA8CL2-BOX			5/16	0.52	0.44	0.06	1.38	MY29-3 (1)						
YA8CL3-BOX			3/8	0.58	0.44	0.06	1.51	MY29-11 (1) MRC840 (1)						
YA8CL4-BOX			1/2	0.71	0.44	0.05	1.76	Y4PC834(1) Y8MRB-1 (1) Y / PAT81KFT (1)						
YAV6CL-TC10-FX	#6 AWG #6 Flex G,H,I,K,M, DLO (61/24)	** 16	#10	0.48	0.50	0.08	1.30	Y122CMR (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2
YAV6CL-TC14-FX			1/4	0.48	0.50	0.08	1.43	Y1MRTC (1)						
YAV6CL-TC516-FX			5/16	0.52	0.50	0.07	1.49	MY29-11 (1)						
YAV6CL-TC38-FX			3/8	0.58	0.50	0.06	1.61	MRC840 (1)						
YAV6CL-TC12-FX			1/2	0.75	0.50	0.12	1.86	Y / PAT644 (1)						
YAV6CL-TC34-FX			3/4	1.04	0.50	0.09	2.66	Y8MRB-1 (1) Y / PAT81KFT (1)						
YAV4CL-TC10-FX	#4 AWG #4 Flex G,H,I,K,M, DLO (105/24)	—	#10	0.55	0.50	0.09	1.32	Y122CMR (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2
YAV4CL-TC14-FX			1/4	0.55	0.50	0.09	1.44	MY29-11 (1)						
YAV4CL-TC516-FX			5/16	0.55	0.50	0.09	1.51	Y / PAT4PC834 (1)						
YAV4CL-TC38-FX			3/8	0.58	0.50	0.08	1.67	Y / PAT81KFT (1) Y1MRTC (2)						
YAV4CL-TC12-FX			1/2	0.71	0.50	0.07	1.92	Y / PAT644 (1)						
YAV2CL-TC10-FX	#2 AWG #2 Flex G,H,I,K,M, DLO (150/24)	35	#10	0.68	0.63	0.10	1.50	Y122CMR (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAV2CL-TC14-FX			1/4	0.68	0.63	0.10	1.62	MY29-11 (1)						
YAV2CL-TC516-FX			5/16	0.68	0.63	0.10	1.69	Y / PAT81KFT (1)						
YAV2CL-TC38-FX			3/8	0.68	0.63	0.10	1.81	Y / PAT4PC834 (1)						
YAV2CL-TC12-FX			1/2	0.73	0.63	0.09	2.12	Y1MRTC (2) Y / PAT644 (1)						
YAV1CL-TC10-FX	#1 AWG #1 Flex G,H,I,K,M, DLO (225/24)	—	#10	0.75	0.62	0.12	1.52	Y / PAT644 (1)	W1CVT (1) W1CRT (1) X1CRT (1)	W1CVT (1) W1CRT (1) X1CRT (1)	U1CRT1 (1)	Green	11	11/16
YAV1CL-TC14-FX			1/4	0.75	0.62	0.12	1.65	MY29-11 (1)						
YAV1CL-TC516-FX			5/16	0.75	0.62	0.12	1.71	Y / PAT81KFT (1)						
YAV1CL-TC38-FX			3/8	0.75	0.62	0.12	1.84	Y / PAT4PC834 (1)						
YAV1CL-TC12-FX			1/2	0.75	0.62	0.12	2.09	Y1MRTC (2)						
YAV25L-TC14-FX	1/0 AWG 1/0 Flex G,H,I,K,M, DLO (275/24)	50	1/4	0.83	0.69	0.12	1.75	Y / PAT644 (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/16
YAV25L-TC516-FX			5/16	0.83	0.69	0.12	1.81	MY29-11 (1)						
YAV25L-TC38-FX			3/8	0.83	0.69	0.12	1.94	Y / PAT81KFT (1)						
YAV25L-TC12-FX			1/2	0.83	0.69	0.12	2.19	Y / PAT4PC834 (1)						
YAV26L-TC10-FX			2/0 AWG 2/0 Flex G,H,I,K,M, DLO (325/24)	70	#10	0.93	0.81	0.13						
YAV26L-TC14-FX	1/4	0.93			0.81	0.13	1.92	MY29-11 (1)						
YAV26L-TC516-FX	5/16	0.93			0.81	0.13	1.98	Y / PAT81KFT (1)						
YAV26L-TC38-FX	3/8	0.93			0.81	0.13	2.11	Y / PAT4PC834 (1)						
YAV26L-TC12-FX	1/2	0.93			0.81	0.13	2.36	Y1MRTC (2)						
YAV26L-TC58-FX	5/8	0.93			0.81	0.13	2.61							
YAV26L-TC34-FX	3/4	1.10	0.81	0.11	2.89									

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

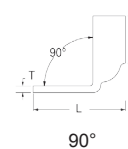
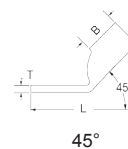
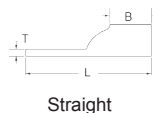
\*\* The MM² conductor size listed is for both Class 2 and Class 5 conductors

\*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use only color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only

## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL (Continued)



C-50

UL Listed 90° C, Up to 35 kV ♦



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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling			Color Code	Die Index	Wire Strip Length
	AWG/KCMIL	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech.	Hydraulic				
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YAV27L-TC10-FX	3/0 AWG 3/0 Flex G,H,I,K,M, DLO (450/24)	95	#10	1.03	1.00	0.14	2.03	Y / PAT644 (1) MY29-11 (1) Y / PAT81KFT (1) Y / PAT4PC834 (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1
YAV27L-TC14-FX			1/4	1.03	1.00	0.14	2.15							
YAV27L-TC516-FX			5/16	1.03	1.00	0.14	2.21							
YAV27L-TC38-FX			3/8	1.03	1.00	0.14	2.34							
YAV27L-TC12-FX			1/2	1.03	1.00	0.14	2.59							
YAV28L-TC14-FX	4/0 AWG 4/0 Flex G,H,I,K,M, DLO (550/24)	** 120	1/4	1.14	1.03	0.15	2.23	Y / PAT644 (1) MY29-11 (1) Y / PAT81KFT (1) Y / PAT4PC834 (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAV28L-TC516-FX			5/16	1.14	1.03	0.15	2.29							
YAV28L-TC38-FX			3/8	1.14	1.03	0.15	2.42							
YAV28L-TC12-FX			1/2	1.14	1.03	0.15	2.67							
YAV28L-TC58-FX			5/8	1.14	1.03	0.15	2.92							
YAV28L-TC34-FX	3/4	1.14	1.03	0.15	3.11									
YAV29L-TC14-FX	250 kcmil 4/0 Flex G,H,I,K,M, DLO (550/24)	—	1/4	1.18	1.03	0.16	2.23	Y / PAT644HSXT (1) MY29-11 (1) Y / PAT81KFT (1) Y / PAT4PC834 (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAV29L-TC516-FX			5/16	1.18	1.03	0.16	2.30							
YAV29L-TC38-FX			3/8	1.18	1.03	0.16	2.42							
YAV29L-TC12-FX			1/2	1.18	1.03	0.16	2.67							
YAV29L-TC58-FX			5/8	1.18	1.03	0.16	2.92							
YAV29L-TC34-FX	3/4	1.18	1.03	0.16	3.11									
YA30L-TC516-FX	250 kcmil G,H	—	5/16	1.20	1.03	0.16	2.31	Y / PAT644 (1) Y / PAT81KFT (1) Y / PAT4PC834 (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/8
YA30L-TC38-FX			3/8	1.20	1.03	0.16	2.44							
YA30L-TC12-FX			1/2	1.20	1.03	0.16	2.69							
YA30L-TC58-FX			5/8	1.20	1.03	0.16	2.94							
YA30L-TC34-FX			3/4	1.20	1.03	0.16	3.12							
YA31L-TC14-FX	250 kcmil I,K,M, DLO 262 (650/24)	150	1/4	1.29	1.06	0.18	2.31	Y / PAT644 (1) Y / PAT81KFT (1) Y / PAT4PC834 (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17 or 298	1-1/8
YA31L-TC516-FX			5/16	1.29	1.06	0.18	2.37							
YA31L-TC38-FX			3/8	1.29	1.06	0.18	2.50							
YA31L-TC12-FX			1/2	1.29	1.06	0.18	2.75							
YA31L-NT12-FX			1/2	0.96	1.06	0.18	2.75							
YA31L-TC58-FX			5/8	1.29	1.06	0.18	3.00							
YA31L-TC34-FX	3/4	1.29	1.06	0.18	3.19									
YA32L-TC38-FX	300 kcmil G,H,I,K,M, DLO 313 (775/24)	185	3/8	1.40	1.19	0.19	2.68	Y / PAT644 (1) Y / PAT81KFT (1) Y / PAT4PC834 (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18 or 324	1-1/4
YA32L-TC12-FX			1/2	1.40	1.19	0.19	2.93							
YA32L-TC58-FX			5/8	1.40	1.19	0.19	3.18							
YA32L-TC100-FX			1	1.74	1.19	0.27	3.87							
YA34L-TC516-FX	350 kcmil G,H,I,K,M, DLO 373 (925/24)	240	5/16	1.55	1.27	0.23	2.74	Y / PAT644 (1) Y / PAT81KFT (1) Y / PAT4PC834 (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19 or 470	1-5/16
YA34L-TC38-FX			3/8	1.55	1.27	0.23	2.87							
YA34L-TC12-FX			1/2	1.55	1.27	0.23	3.12							
YA34L-TC58-FX			5/8	1.55	1.27	0.23	3.37							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

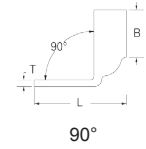
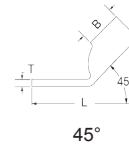
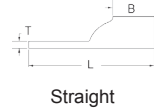
\*\* The MM<sup>2</sup> conductor size listed is for both Class 2 and Class 5 conductors

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use only color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
Note: All dimensions shown are for reference only

**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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.

C-51

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM² ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.		Hydraulic	Color Code		Die Index
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS				
YA36L-TC12-FX	500 kcmil G,H DLO 444 (110/24)	—	1/2	1.74	1.38	0.27	3.29	Y / PAT644 (1) Y / PAT81KFT (2) Y / PAT4PC834 (2)	—	—	U34RT (2)	Brown	20 or 299	1-3/8
YA36L-TC58-FX			5/8	1.74	1.38	0.27	3.54							
YA38L-TC516-FX	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300	5/16	1.84	1.45	0.27	3.03	Y / PAT644 (1) Y / PAT81KFT (2) Y / PAT4PC834 (3)	—	—	U38XRT (2)	Pink	L99	1-7/16
YA38L-TC38-FX			3/8	1.84	1.45	0.27	3.34							
YA38L-TC12-FX			1/2	1.84	1.45	0.27	3.41							
YA38L-TC58-FX			5/8	1.84	1.45	0.27	3.66							
YA40L-TC516-FX	650 kcmil G, DLO 646 (1600/24)	400	5/16	1.98	1.42	0.30	3.05	Y / PAT644 (1) Y / PAT81KFT (2) Y / PAT4PC834 (3)	—	—	U39RT (2)	Black	24	1-5/16
YA40L-TC38-FX			3/8	1.98	1.42	0.30	3.38							
YA40L-TC12-FX			1/2	1.98	1.42	0.30	3.43							
YA40L-TC58-FX			5/8	1.98	1.42	0.30	3.68							
YA44L-TC12-FX	750 kcmil G,H,I DLO 777 (1925/24)	500	1/2	2.19	1.65	0.33	3.79	Y / PAT644 (1) Y / PAT81KFT (2) Y / PAT4PC834 (3)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YA44L-TC58-FX			5/8	2.19	1.65	0.33	4.04							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 • P-RT dies for Y / PAT46 Tooling only  
 \*\* The MM² conductor size listed is for both Class 2 and Class 5 conductors  
 \*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use only color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only

## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL NARROW TONGUE

C-52

TYPE YAV-L-NTFX

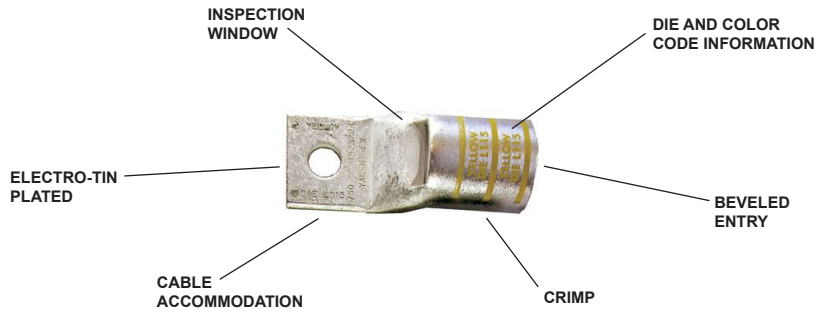
## COPPER COMPRESSION NARROW TONGUE TERMINAL

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.

Please contact Customer Service to order:

1-800-346-4175

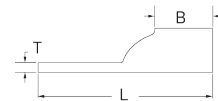


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

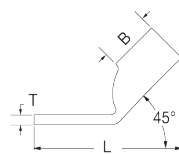
### Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed to allow for parallel terminations of wire in limited space applications
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section

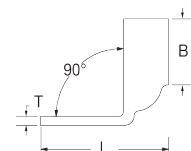
Straight



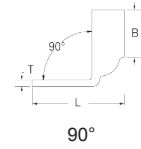
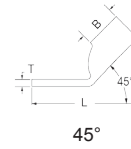
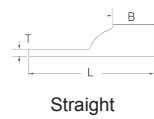
45°



90°



**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL  
NARROW TONGUE  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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.

C-53

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling				Wire Strip Length		
	AWG/ KCMIL	MM² ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic			Color Code	Die Index
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46*, PAT750			
YAV4CLNT10FX	#4 AWG #4 Flex G,H,I,K,M, DLO (105/24)	—	#10	0.41	0.50	0.09	1.32	Y122CMR (2) MY29-11 (1) Y1MRTC (2) Y / PAT81KFT (1) Y / PAT644 (1)	W4CRT (1) W4CVT (1) X4CRT (1)	W4CRT (1) W4CVT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2
YAV2CLNT14FX	#2 AWG #2 Flex G,H,I,K,M, DLO (150/24)	35	1/4	0.46	0.63	0.10	1.71	Y122CMR (2) MY29-11 (1) Y1MRTC (2) Y / PAT81KFT (1) Y / PAT644 (1)	W2CRT (1) W2CVT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAV2CLNT516FX			5/16	0.44	0.63	0.10	1.78							
YAV25LNT14FX	1/0 AWG 1/0 Flex G,H,I,K,M, DLO (275/24)	50	1/4	0.67	0.69	0.12	1.75	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/16
YAV25LNT516FX			5/16	0.67	0.69	0.12	1.81							
YAV25LNT38FX			3/8	0.76	0.69	0.13	1.94							
YAV26LNT516FX	2/0 AWG 2/0 Flex G,H,I,K,M, DLO (325/24)	70	5/16	0.90	0.81	0.13	1.98	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAV26LNT38FX			3/8	0.90	0.81	0.13	2.11							
YAV26LNT12FX			1/2	0.87	0.81	0.13	2.36							
YAV27LNT12FX	3/0 AWG 3/0 Flex G,H,I,K,M, DLO (450/24)	95	1/2	0.76	1.00	0.14	2.59	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (2) Y / PAT4PC834 (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1-1/16
YAV28LNT516FX	4/0 AWG 4/0 Flex G,H,I,K,M, DLO (550/24)	—	5/16	0.94	1.03	0.15	2.29	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAV28LNT38FX			3/8	0.94	1.03	0.15	2.42							
YAV28LNT12FX			1/2	0.76	1.03	0.15	2.67							
YA30LNT516FX	250 kcmil G,H	—	5/16	0.96	1.03	0.15	2.48	Y / PAT644 (1) Y / PAT81KFT (2)	W30VT (4)	—	U30RT (2)	White	17	1-1/8
YA31L-NT12-FX	250 kcmil I,K,M, DLO 262 (650/24)	150	1/2	0.96	1.06	0.18	2.75	Y / PAT644 (1) Y / PAT81KFT (1) Y / PAT4PC834 (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17 or 298	1-1/8
YA32LNT516FX	300 kcmil G,H,I,K,M, DLO 313 (775/24)	185	5/16	0.96	1.19	0.19	2.65	Y / PAT644 (1) Y / PAT81KFT (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18	1-1/4
YA32LNT38FX			3/8	0.96	1.19	0.19	2.68							

Consult cable manufacturers for stress relief instructions  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™

\*\*\* The MM² conductor sizes Listed are the recommendations for CLASS 5 conductor

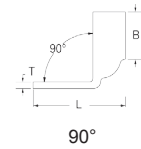
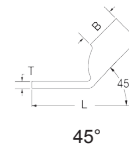
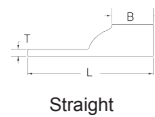
▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors  
**Note:** All dimensions shown are for reference only.

# Compression Connections

**BURNDY®**

Copper Compression — Flex — Standard Barrel — Narrow Tongue

## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL NARROW TONGUE



C-54

(Continued)

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/ KCMIL	MM² ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic		Color Code		Die Index
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46*, PAT750			
YA38LNT12FX	500 kcmil H,I,K	300	1/2	1.63	1.45	0.27	3.41	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U38XRT (2)	Pink	L99	1-7/16
YA38LNTM20FX	550 kcmil G,H,I DLO 525 (325/24)		M20	1.63	1.45	0.27	3.84							
YA40LENT12FX	650 kcmil G DLO 646 (1600/24)	—	1/2	1.35	1.42	0.30	3.43	Y / PAT644 (1) Y / PAT81KFT (2) Y / PAT4PC834 (3)	—	—	U39RT (2)	Black	24	1-5/16
YA44LNT38FX	750 kcmil G,H, DLO 777 (1925/24)	500	3/8	1.50	1.65	0.33	3.79	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YA44LNT12FX			1/2	1.62	1.65	0.33	3.98							

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

- \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™
- P-RT dies for Y / PAT46 Tooling only

\*\*\* The MM² conductor sizes Listed are the recommendations for CLASS 5 conductor

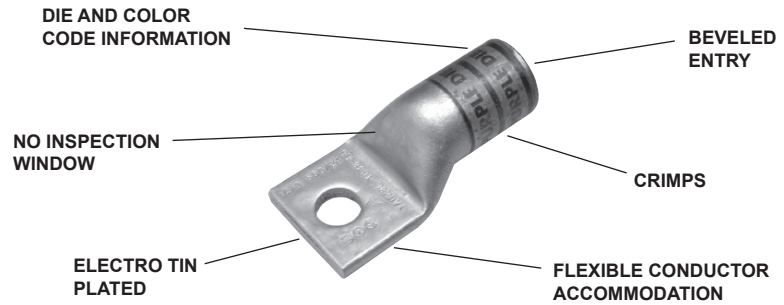
▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors  
**Note:** All dimensions shown are for reference only.

**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL  
NO INSPECTION  
WINDOW**

**TYPE YAG-L-TC  
COPPER COMPRESSION  
TERMINAL**

UL Listed 90° C, Up to 35 kV

45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175



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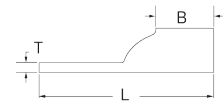


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

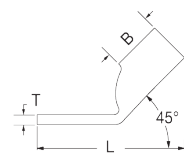
**Features & Benefits**

- 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
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section

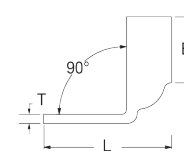
Straight



45°



90°

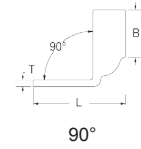
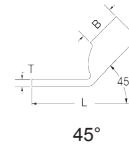
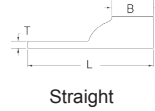


# Compression Connections

**BURNDY®**

Copper Compression — Flex — Standard Barrel — No Inspection Window

## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL NO INSPECTION WINDOW



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.

UL Listed 90° C, Up to 35 kV ♦

C-56

(Continued)

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
	AWG/KCMIL	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech.	Hydraulic		Color Code		Die Index
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YAG8CLTC14FX	#8 AWG	G,H,I,K,M, DLO (37/24) #6 Sol #8 Sol	1/4	0.44	0.44	0.08	1.32	MY29-11 (1) Y1MRTC (1) Y122CMR (1) Y/PAT81KFT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	1/2
YAG8CLTC516FX	5/16		0.52	0.44	0.06	1.38								
YAG8CLTC12FX	1/2		0.71	0.44	0.05	1.76								
YAG6CLTC14FX	#6 AWG	G,H,I,K,M, DLO (61/24)	1/4	0.48	0.50	0.08	1.43	MY29-11 (1) Y1MRTC (1) Y122CMR (1) Y/PAT81KFT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2
YAG6CLTC516FX	5/16		0.52	0.50	0.07	1.49								
YAG6CLTC38FX	3/8		0.58	0.50	0.06	1.61								
YAG6CLTC12FX	1/2		0.75	0.50	0.12	1.86								
YAG4CLTC14FX	#4 AWG	G,H,I,K,M, DLO (105/24)	1/4	0.55	0.50	0.09	1.48	MY29-11 (1) Y1MRTC (2) Y122CMR (2) Y/PAT81KFT (1) Y/PAT644 (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2
YAG4CLTC516FX	5/16		0.55	0.50	0.09	1.55								
YAG4CLTC38FX	3/8		0.58	0.50	0.08	1.67								
YAG4CLTC12FX	1/2		0.71	0.50	0.07	1.92								
YAG2CLTC14FX	#2 AWG	G,H,I,K,M, DLO (150/24)	1/4	0.68	0.63	0.10	1.64	MY29-11 (1) Y1MRTC (2) Y122CMR (2) Y/PAT81KFT (1) Y/PAT644 (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAG2CLTC516FX	5/16		0.68	0.63	0.10	1.70								
YAG2CLTC38FX	3/8		0.68	0.63	0.10	1.83								
YAG2CLTC12FX	1/2		0.73	0.63	0.09	2.12								
YAG1CLTC14FX	#1 AWG	G,H,I,K,M, DLO (225/24)	1/4	0.75	0.62	0.12	1.67	MY29-11(1) Y/PAT644 (1) Y/PAT81KFT (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (1)	Green	11	11/16
YAG1CLTC516FX	5/16		0.75	0.62	0.12	1.73								
YAG1CLTC38FX	3/8		0.75	0.62	0.12	1.86								
YAG1CLTC12FX	1/2		0.75	0.62	0.12	2.11								
YAG25LTC14FX	1/0 AWG	G,H,I,K,M, DLO (275/24)	1/4	0.83	0.69	0.12	1.77	MY29-11(1) Y/PAT644 (1) Y/PAT81KFT (1)	W25CVT (2) W25CRT (2) X25CRT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/16
YAG25LTC516FX	5/16		0.83	0.69	0.12	1.84								
YAG25LTC38FX	3/8		0.83	0.69	0.12	1.96								
YAG25LTC12FX	1/2		0.83	0.69	0.12	2.21								
YAG26LTC14FX	2/0 AWG	G,H,I,K,M, DLO (325/24)	1/4	0.93	0.81	0.13	1.95	MY29-11 (1) Y/PAT644 (1) Y/PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAG26LTC516FX	5/16		0.93	0.81	0.13	2.01								
YAG26LTC38FX	3/8		0.93	0.81	0.13	2.13								
YAG26LTC12FX	1/2		0.93	0.81	0.13	2.38								
YAG27LTC14FX	3/0 AWG	G,H,I,K,M, DLO (450/24)	1/4	1.03	1.00	0.14	2.18	MY29-11(1) Y/PAT644 (1) Y/PAT81KFT (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1
YAG27LTC516FX	5/16		1.03	1.00	0.14	2.24								
YAG27LTC38FX	3/8		1.03	1.00	0.14	2.37								
YAG27LTC12FX	1/2		1.03	1.00	0.14	2.62								
YAG28LTC14FX	4/0 AWG	G,H,I,K,M, DLO (550/24)	1/4	1.14	1.03	0.15	2.26	MY29-11(1) Y/PAT644 (1) Y/PAT81KFT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAG28LTC516FX	5/16		1.14	1.03	0.15	2.32								
YAG28LTC38FX	3/8		1.14	1.03	0.15	2.45								
YAG28LTC12FX	1/2		1.14	1.03	0.15	2.70								

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\*\* The MM<sup>2</sup> conductor size referenced here is for Class 5 conductor

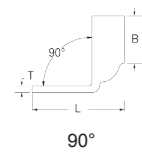
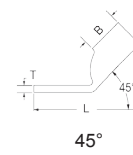
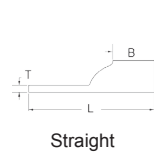
\*\* The MM<sup>2</sup> conductor size referenced here is for Class 2 and Class 5 conductor

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

Note: All dimensions shown are for reference only.



**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL  
NO INSPECTION  
WINDOW  
(Continued)**



C-57

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling			Color Code	Die Index	Wire Strip Length
	AWG/KCMIL	MM² ***			(B)	(T)	(L)		Mech.	Hydraulic				
										BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46*, PAT750			
YAG29LTC38FX	250 kcmil	—	3/8	1.18	1.03	0.16	2.45	Y / PAT644 (1) Y / PAT81KFT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAG29LTC12FX	4/0 AWG Flex G,H,I,K,M, DLO (550/24)		1/2	1.18	1.03	0.16	2.70							
YAG29LTC58FX			5/8	1.18	1.03	0.16	2.95							
YAG30LTC38FX	250 kcmil G,H	—	3/8	1.20	1.03	0.16	2.47	Y / PAT644 (1) Y / PAY81KFT (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAG30LTC12FX			1/2	1.20	1.03	0.16	2.72							
YAG30LTC58FX			5/8	1.20	1.03	0.16	2.97							
YAG31LTC14FX	250 kcmil I,K,M, DLO 262 (650/24)	150	1/4	1.29	1.06	0.18	2.35	Y / PAT644 (1) Y / PAY81KFT (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17	1-1/8
YAG31LTC516FX			5/16	1.29	1.06	0.18	2.41							
YAG31LTC38FX			3/8	1.29	1.06	0.18	2.53							
YAG31LTC12FX			1/2	1.29	1.06	0.18	2.78							
YAG31LTC58FX			5/8	1.29	1.06	0.18	3.03							
YAG32LTC12FX	300 kcmil G,H,I,K,M, DLO 313 (775/24)	185	1/2	1.40	1.19	0.19	2.97	Y / PAT644 (1) Y / PAY81KFT (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18	1-1/4
YAG32LTC58FX			5/8	1.40	1.19	0.19	3.22							
YAG34LTC516FX	350 kcmil G,H,I,K,M, DLO 373 (925/24)	240	5/16	1.55	1.27	0.23	2.78	Y / PAT644 (1) Y / PAY81KFT (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19	1-5/16
YAG34LTC38FX			3/8	1.55	1.27	0.23	2.91							
YAG34LTC12FX			1/2	1.55	1.27	0.23	3.16							
YAG34LTC58FX			5/8	1.55	1.27	0.23	3.41							
YAG36LTC38FX	500 kcmil G,H DLO 444 (110/24)	—	3/8	1.73	1.38	0.27	3.27	Y / PAT644 (1) Y / PAY81KFT (2)	—	—	U34RT (2)	Brown	20	1-3/8
YAG38LTC516FX	500 kcmil H,I,K DLO 535 (325/24)	300	5/16	1.84	1.45	0.27	3.08	Y / PAT644 (1) Y / PAY81KFT (2)	—	—	U38XRT (2)	Pink	L99	1-7/16
YAG38LTC38FX			3/8	1.84	1.45	0.27	3.39							
YAG38LTC12FX			1/2	1.84	1.45	0.27	3.46							
YAG40LTC14FX	650 kcmil G, DLO 646 (1600/24)	400	1/4	1.96	1.42	0.30	3.04	Y / PAT644 (1) Y / PAY81KFT (2)	—	—	U39RT (2)	Black	24	1-5/16
YAG40LTC516FX			5/16	1.96	1.42	0.30	3.11							
YAG40LTC38FX			3/8	1.96	1.42	0.30	3.42							
YAG40LTC12FX			1/2	1.96	1.42	0.30	3.48							
YAG44LTC516FX	750 kcmil G,H, DLO 777 (1925/24)	500	5/16	2.18	1.65	0.33	3.81	Y / PAT644 (1) Y / PAY81KFT (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YAG44LTC38FX			3/8	2.18	1.65	0.33	3.81							
YAG44LTC12FX			1/2	2.18	1.65	0.33	3.85							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

• P-RT dies for Y / PAT46 Tooling only

\*\*\* The MM² conductor size referenced here is for Class 5 conductor

\*\* The MM² conductor size referenced here is for Class 2

and Class 5 conductor

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

**Note:** All dimensions shown are for reference only.

## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL BELLED END

C-58

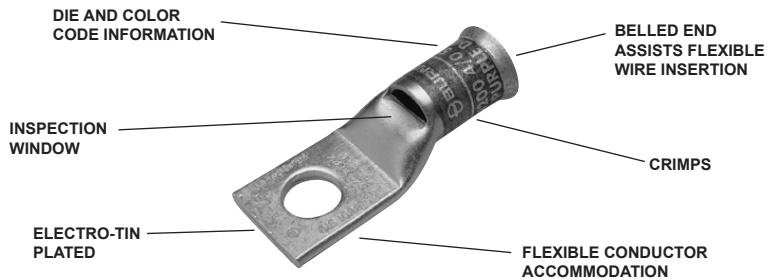
TYPE YA-LB

COPPER COMPRESSION  
TERMINAL

UL Listed 90° C, Up to 35 kV ♦

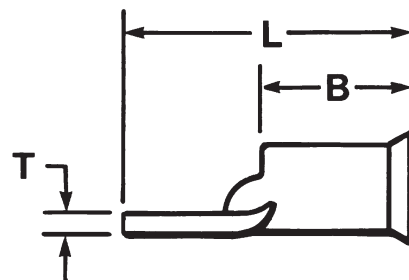
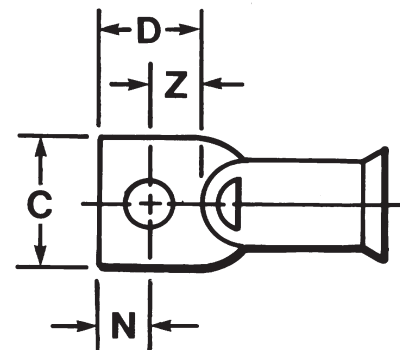


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

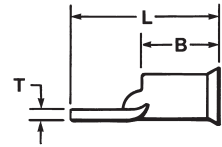
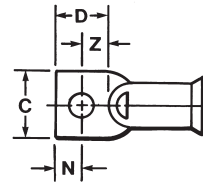


### Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during insertion
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section



**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL  
NO INSPECTION  
WINDOW  
(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.

UL Listed 90° C, Up to 35 kV ♦

Catalog Number	Flex Conductor Size AWG/kcmil	Bolt Hole Size	Wire Strip Length	Installation Tooling Dieless (# of crimps)	Die Index	Dimensions	
						B	L
YA8C-LB	#8 AWG #6 Sol, #8 Sol	#10	7/16"	Y / PAT81KFT (1)	49	0.41"	1.12"
	1013						
YA5C-LB	#5 AWG #6 Flex G,H,I,K,M, DLO (61/24)	1/4"	7/8"	Y / PAT81KFT (1)	7	0.44"	1.73"
	1014						
YA4C-LB	#4 AWG #5 Flex G,H,I,K,M, DLO (105/24)	1/4"	7/8"	Y / PAT81KFT (1)	8	0.50"	1.73"
	1015						
YA3C-LB	#3 AWG #4 Flex G,H,I,K,M, DLO (105/24)	5/16"	15/16"	Y / PAT81KFT (1)	9	0.55"	1.94"
	1016						
YA2C-LB	#2 AWG #3 Flex G,H,I,K,M, DLO (125/24)	5/16"	15/16"	Y / PAT81KFT (1)	10	0.61"	1.97"
	1017						
YA1C-LB	#1 AWG #2 Flex G,H,I,K,M, DLO (150/24)	5/16"	15/16"	Y / PAT81KFT (1)	11	0.68"	2.02"
	1018						
YA25-LB	1/0 AWG #1 Flex G,H,I,K,M, DLO (225/24)	5/16"	15/16"	Y / PAT81KFT (1)	12	0.75"	2.26"
	1019						
YA26-LB	2/0 AWG 1/0 Flex G,H,I,K,M, DLO (275/24)	3/8"	1"	Y / PAT81KFT (1)	13	0.83"	2.61"
	1020						
YA27-LB	3/0 AWG 2/0 Flex G,H,I,K,M, DLO (325/24)	1/2"	1-1/16"	Y / PAT81KFT (1)	14	0.91"	2.67"
	1021						

Catalog Number	Flex Conductor Size AWG/kcmil	Bolt Hole Size	Wire Strip Length	Installation Tooling Dieless (# of crimps)	Die Index	Dimensions	
						B	L
YA28-LB	4/0 AWG 3/0 Flex G,H,I,K,M, DLO (450/24)	1/2"	1-1/16"	Y / PAT81KFT (1)	15	1.02"	2.77"
	1022						
YA29-LB	250 kcmil 4/0 Flex G,H	1/2"	1-1/16"	Y / PAT81KFT (1)	16	1.11"	2.82"
	1023						
YA30-LB	300 kcmil 250 Flex G,H 4/0 Flex I, K, M DLO (550/24)	1/2"	1-1/8"	Y / PAT81KFT (1)	17	1.20"	2.93"
	1024						
YA31-LB	350 kcmil 250 Flex I,K,M, DLO 262 (650/24)	1/2"	1-3/16"	Y / PAT81KFT (1)	18	1.29"	3.31"
	1025						
YA32-LB	400 kcmil 300 Flex G,H,I,K,M, DLO 313 (775/24)	5/8"	1 1/4"	Y / PAT81KFT (1)	19	1.40"	3.56"
	1026						
YA34-LB	500 kcmil 350 Flex G,H,I,K,M, DLO 373 (925/24) 400 Flex G,H,I	5/8"	1-7/16"	Y / PAT81KFT (1)	20	1.52"	3.83"
	1027						
YA36-LB	600 kcmil 450 Flex I,K,M DLO 444 (1100/24) 500 Flex G,H	5/8"	1-3/4"	Y / PAT81KFT (1)	22	1.69"	4.31"
	1028						
YA38-LB	700 kcmil 500 Flex I,K,M DLO 535 (1325/24) 550 Flex G,H,I	5/8"	1-15/16"	Y / PAT81KFT (1)	23	1.81"	4.27"
	1029						
YA39-LB	750 kcmil 600 Flex G 550 Flex M	5/8"	1-15/16"	Y / PAT81KFT (2)	24	1.89"	4.27"
	1030						
YA40-LB	800 kcmil 600 Flex H,I,K,M 1000 kcmil	5/8"	1-15/16"	Y / PAT81KFT (2)	25	1.95"	4.27"
	1031						
YA44-LB	650 Flex I 750 Flex G,H DLO 777 (1925/24)	5/8"	1-15/16"	Y / PAT81KFT (2)	27	2.17"	4.5"
	1032						

Note: All dimensions shown are for reference only.

# Compression Connections

BURNDY®

Copper Compression — Flex — Long Barrel — Inspection Window

## ONE HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL WITH INSPECTION WINDOW

C-60

TYPES YAZ, YAZV

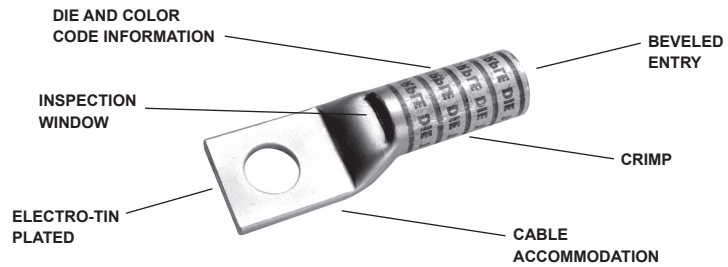
### COPPER COMPRESSION TERMINAL

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.

Please contact Customer Service to order:

1-800-346-4175

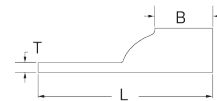


**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

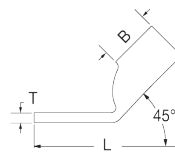
### Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section

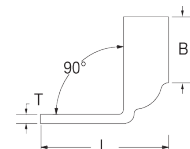
Straight



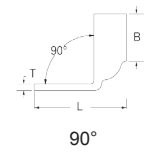
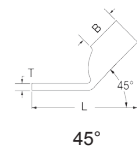
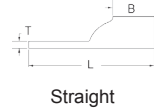
45°



90°



**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
LONG BARREL WITH  
INSPECTION WINDOW  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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.

C-61

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling			Color Code	Die Index	Wire Strip Length
	AWG/KCMIL	MM² ***			(B)	(T)	(L)		Mechanical	Hydraulic				
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YAZ8CTC10	#8 AWG	10	#10	.41"	0.75	0.08	1.43	Y122CMR (2) Y1MRTC (2) MY29-3 (2) MY29-11 (2) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	13/16
YAZ8CTC14	#8 Flex		1/4	.44"	0.75	0.08	1.56							
YAZ8CTC38	G,H,I,K,M DLO (37/24) #6 Sol #8 Sol		3/8	.58"	0.75	0.06	1.75							
YAZV6CTC14FX	#6 AWG	16	1/4	.48"	0.75	0.08	1.59	Y / PAT644 (1) Y / PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	13/16
YAZV6CTC38FX	#6 Flex G,H,I,K,M, DLO (61/24)		3/8	.58"	0.75	0.06	1.77							
YAZV4CTC14FX	#4 AWG	—	1/4	.55"	1.25	0.09	2.19	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8 or 346	1-5/16
YAZV4CTC38FX	#4 Flex G,H,I,K,M, DLO (105/24)		3/8	.58"	1.25	0.08	2.42							
YAZV2CTC14FX	#2 AWG	35	1/4	.68"	1.38	0.10	2.37	MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-7/16
YAZV2CTC38FX	#2 Flex G,H,I,K,M, DLO (105/24)		3/8	.68"	1.38	0.10	2.56							
YAZV2CTC12FX	#2 Flex G,H,I,K,M, DLO (150/24)		1/2	.83"	1.38	0.09	2.87							
YAZV1CTC14FX	#1 AWG	—	1/4	.75"	1.38	0.12	2.40	MY29-3 (2) MY29-11 (2) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2)	Green	11 or 375	1-7/16
YAZV1CTC516FX	#1 Flex G,H,I,K,M, DLO (225/24)		5/16	.75"	1.38	0.12	2.46							
YAZV1CTC38FX	#1 Flex G,H,I,K,M, DLO (225/24)		3/8	.75"	1.38	0.12	2.59							
YAZV25TC14FX	1/0 AWG	50	1/4	.83"	1.50	0.12	2.56	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	Pink	12 or 348	1-9/16
YAZV25TC38FX	1/0 Flex G,H,I,K,M, DLO (275/24)		3/8	.83"	1.50	0.12	2.75							
YAZV25TC12FX	1/0 Flex G,H,I,K,M, DLO (275/24)		1/2	.83"	1.50	0.12	3.00							
YAZV26TC14FX	2/0 AWG	70	1/4	.93"	1.50	0.13	2.61	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YAZV26TC38FX	2/0 Flex G,H,I,K,M, DLO (275/24)		3/8	.93"	1.50	0.13	2.80							
YAZV26TC12FX	2/0 Flex G,H,I,K,M, DLO (275/24)		1/2	.93"	1.50	0.13	3.05							
YAZV27TC38FX	3/0 AWG 3/0 Flex G,H,I,K,M DLO (450/24)	95	3/8	1.03"	1.50	0.14	2.84	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W27VT (4) W27RT (4) X27RT (4)	W27VT (4) W27RT (4) X27RT (4)	U27RT (2)	Orange	14	1-9/16
YAZV28NT38FX	4/0 AWG	120	3/8	.94"	1.62	0.14	3.01							
YAZV28TC38FX	4/0 Flex G,H,I,K,M, DLO (550/24)		3/8	1.14"	1.62	0.14	3.01							
YAZV28TC12FX	4/0 Flex G,H,I,K,M, DLO (550/24)		1/2	1.14"	1.62	0.14	3.26							
YAZV29NT516FX	250 kcmil 4/0 Flex G,H,I,K,M, DLO (550/24)	—	5/16	.96"	2.00	0.16	3.27	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W29VT (4) W29RT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* The MM² conductor size referenced here is for both Class 2 and Class 5 conductor  
 \*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

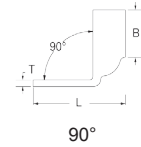
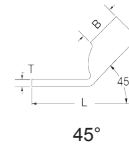
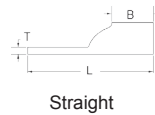
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
**Note:** All dimensions shown are for reference only.

# Compression Connections

**BURNDY®**

Copper Compression — Flex — Long Barrel — Inspection Window

## ONE HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL WITH INSPECTION WINDOW (Continued)



C-62

UL Listed 90° C, Up to 35 kV ♦



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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling					
	AWG/KCMIL	MM² ***			(B)	(T)	(L)		Mechanical	Hydraulic		Color Code	Die Index	Wire Strip Length
										MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YAZ30TC38FX	250 kcmil G,H	—	3/8	1.20"	2.00	0.16	3.41	Y / PAT644 (1) Y / PAT81KFT (2)	W29VT (4) X29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16
YAZ31TC38FX	250 kcmil I,K,M, DLO 262 (650/24)	150	3/8	1.28"	2.00	0.18	3.44		W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	White	17 or 298	2-1/16
YAZ32TC38FX	300 kcmil G,H,I,K,M, DLO 313 (775/24)	185	3/8	1.55"	2.12	0.19	3.61		X31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	Red	18 or 324	2-3/16
YAZ34NT38FX	350 kcmil G,H,I,K,M, DLO 373 (925/24)	240	3/8	.96"	2.25	0.23	3.84		W32VT (4)	W32VT (4) W32RT (4)	U32RT (4)	Blue	19	2-5/16
YAZ34TC12FX			3/8	1.52"	2.25	0.23	4.09							
YAZ34TC38FX			1/2	1.52"	2.25	0.23	3.84							
YAZ36TC38FX	500 kcmil G,H DLO 444 (110/24)	—	3/8	1.72"	2.69	0.26	4.54		—	—	U34RT (4)	Brown	20 or 299	2-3/4
YAZ38NT38FX	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300	3/8	1.63"	2.81	0.27	4.71		—	—	U38XRT (4)	Pink	L99	2-7/8
YAZ38TC38FX			3/8	1.81"	2.81	0.27	4.71							
YAZ38NT12FX			1/2	1.63"	2.81	0.27	4.77							
YAZ38TC12FX			1/2	1.81"	2.81	0.27	4.77							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* The MM² conductor size referenced here is for both Class 2 and Class 5 conductor  
 \*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indentor system contact factory

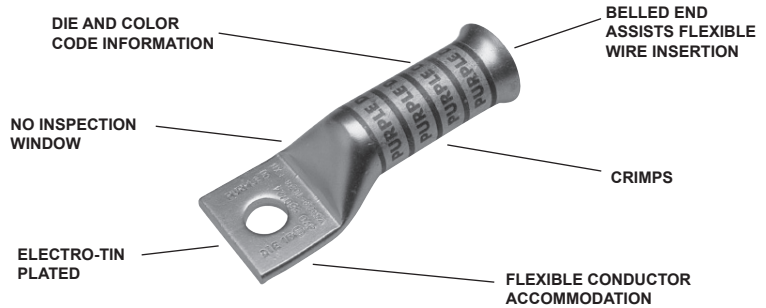
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
 Note: All dimensions shown are for reference only.

**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
LONG BARREL  
BELLED END**

**TYPES YA-TC-FXB,  
YAV-TC-FXB**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175



C-63

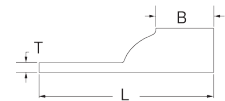


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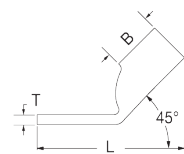
**Features & Benefits**

- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded 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
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section

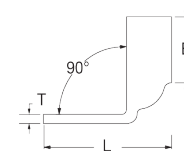
Straight



45°



90°

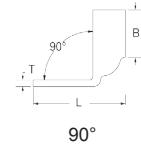
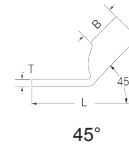
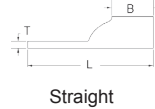


# Compression Connections

**BURNDY®**

Copper Compression — Flex — Long Barrel — Belled End — No Inspection Window

## ONE HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL BELLED END (Continued)



C-64

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM <sup>2</sup> ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index
										BCT500HS, Y500CTHS	Y35, Y39, Y750, Y46*, PAT750			
YA8C-TC14-FXB	#8 AWG #8 Flex G,H,I,K,M DLO (37/24) #6 Sol #8 Sol	** 10	1/4	0.44	0.90	0.08	1.78	MRC840 (2) MY29-11 (2) Y122CMR (2) Y1MRTC (2) Y / PAT81KFT (1)	W8CVT (2)	W8CVT (2)	U8CRT (2)	Red	49	1
YAV6C-TC10-FXB	#6 AWG #6 Flex G,H,I,K,M, DLO (61/24)	** 16	#8-#10 1/4	0.48	1.22	0.08	2.00	MY29-11 (2) Y1MRTC (2) Y122CMR (2) Y / PAT644 (1) Y / PAT81KFT (1)	W5CVT (2)	W5CVT (2)	U5CRT (2)	Blue	7	1-5/16
YAV6C-TC14-FXB	#6 AWG #6 Flex G,H,I,K,M, DLO (61/24)	** 16	1/4	0.48	1.22	0.08	2.12							
YA5CTC14FXB	#5 AWG #5 Flex G,H,I,K,M, DLO (91/24)	—	1/4	0.44	1.22	0.07	2.12							
YAV4C-TC10-FXB	#4 AWG #4 Flex G,H,I,K,M, DLO (105/24)	—	#8-#10 1/4	0.55	1.22	0.09	2.05	MY29-11 (2) Y1MRTC (4) Y122CMR (4) Y / PAT644 (1) Y / PAT81KFT (1)	W4CVT (2)	W4CVT (2)	U4CRT (2)	Gray	8	1-5/16
YAV4C-TC14-FXB	#4 AWG #4 Flex G,H,I,K,M, DLO (105/24)	—	1/4	0.55	1.22	0.09	2.17							
YAV4C-TC516-FXB	#4 AWG #4 Flex G,H,I,K,M, DLO (105/24)	—	5/16	0.55	1.22	0.09	2.24							
YAV2C-TC10-FXB	#2 AWG #2 Flex G,H,I,K,M, DLO (150/24)	35	#8-#10 5/16	0.68	1.35	0.10	2.24	MY29-11 (2) Y1MRTC (4) Y122CMR (4) Y / PAT644 (1) Y / PAT81KFT (1)	W2CVT (2)	W2CVT (2)	U2CRT (2)	Brown	10	1-7/16
YAV2C-TC516-FXB	#2 AWG #2 Flex G,H,I,K,M, DLO (150/24)	35	5/16	0.68	1.35	0.10	2.43							
YAV1C-TC10-FXB	#1 AWG #1 Flex G,H,I,K,M, DLO (225/24)	—	#8-#10 5/16	0.75	1.50	0.12	2.41							
YAV1C-TC516-FXB	#1 AWG #1 Flex G,H,I,K,M, DLO (225/24)	—	5/16	0.75	1.50	0.12	2.60	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W1CVT (2)	W1CVT (2)	U1CRT-1 (2)	Green	11	1-9/16
YAV25-TC10-FXB	1/0 AWG 1/0 Flex G,H,I,K,M, DLO (275/24)	50	#8-#10 5/16	0.83	1.50	0.12	2.45	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W25VT (4)	W25VT (4)	U25RT (2)	Pink	12	1-9/16
YAV25-TC516-FXB	1/0 AWG 1/0 Flex G,H,I,K,M, DLO (275/24)	50	5/16	0.83	1.50	0.12	2.64							
YAV25-TC38-FXB	1/0 AWG 1/0 Flex G,H,I,K,M, DLO (275/24)	50	3/8	0.83	1.50	0.12	2.77							
YAV25-TC12-FXB	1/0 AWG 1/0 Flex G,H,I,K,M, DLO (275/24)	50	1/2	0.83	1.50	0.12	3.20							
YAV26-TC38-FXB	2/0 AWG 2/0 Flex G,H,I,K,M, DLO (325/24)	70	3/8 1/2	0.93	1.63	0.13	2.95	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W26VT (4)	W26VT (4)	U26RT (2)	Black	13	1-13/16
YAV26-TC12-FXB	2/0 AWG 2/0 Flex G,H,I,K,M, DLO (325/24)	70	1/2	0.93	1.63	0.13	3.39							
YAV27-TC12-FXB	3/0 AWG 3/0 Flex G,H,I,K,M, DLO (450/24)	95	1/2	1.04	1.64	0.14	3.44	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W27VT (4)	W27VT (4)	U27RT (2)	Orange	14	1-13/16

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

\*\* The 16 MM<sup>2</sup> and 120 MM<sup>2</sup> referenced here are for both Class 2 and Class 5 conductor

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

‡ P44RT for use with Y46 HYPRESS™ only. PUADP-1 adapter not required.

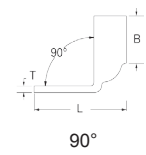
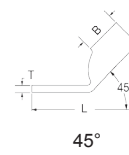
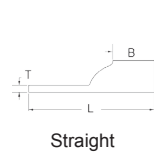
▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.

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

Note: All dimensions shown are for reference only.



**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
LONG BARREL  
BELLED END  
(Continued)**



C-65

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM² ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index
YAV28-TC38-FXB	4/0 AWG	—	3/8	1.14	1.77	0.14	3.19			Y / PAT644 (1) Y / PAT81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W28VT (4)		W28VT (4)	
YAV28-TC12-FXB	4/0 Flex G,H,I,K,M, DLO (550/24)		1/2	1.14	1.77	0.14	3.63							
YA30-TC12-FXB	250 kcmil G,H	—	1/2	1.20	4.04	0.16	4.04	Y / PAT644 (1) Y / PAT81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W29VT (4)	W29VT (4)	U29RT (2)	Yellow	16	2-1/4
YA31-TC12-FXB	250 kcmil I,K,M, DLO 262 (650/24)	1/2	1.29	2.18	0.18	4.09								
YA32-TC12-FXB	300 kcmil G,H,I,K,M, DLO 313 (75/24)	185	1/2	1.40	2.32	0.19	4.28	Y / PAT644 (1) Y / PAT81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	W31VT (4)	W31VT (4)	U31RT (4)	Red	18	2-1/4
YA34-TC12-FXB	350 kcmil G,H,I,K,M, DLO 373 (925/24)	240	1/2	1.55	2.48	0.23	4.54							
YA36-TC12-FXB	500 kcmil G,H	—	1/2	1.73	2.95	0.26	5.09	Y / PAT644 (1) Y / PAT81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	—	—	U34RT (4)	Brown	20	3-1/16
YA36-TC58-FXB	DLO 444 (110/24)		5/8	1.73	2.95	0.26	5.15							
YA38TC12FXB	500 kcmil H,I,K	300	1/2	1.84	3.08	0.27	5.07	Y / PAT644 (1) Y / PAT81KFT (3)	—	—	U38XRT (4)	Pink	L99	3-1/16
YA38-TC58-FXB	550 kcmil G,H,I, DLO 525 (325/24)		5/8	1.84	3.08	0.27	5.32							
YA40-TC58-FXB	650 kcmil G DLO 646 (1600/24)	400	5/8	1.98	3.24	0.30	5.53	Y / PAT644 (1) Y / PAT81KFT (3)	—	—	U44XRT (4) •P44XRT (2)	Yellow	L115	3-7/16
YA44-TC58-FXB	750 kcmil G,H DLO 777 (1925/24)	500	5/8	2.18	3.33	0.32	5.71							
YA46-TC58-FXB	1111 kcmil DLO (2750/24)	—	5/8	2.69	3.58	0.39	6.19	—	—	—	**P45RT (4)	Yellow	29	3-11/16

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 • P-RT dies for Y / PAT46 Tooling only  
 \*\* The 16 MM² and 120 MM² referenced here are for both Class 2 and Class 5 conductor  
 \*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory.  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only.

**TWO HOLE HYLUG™ FLEX  
CONDUCTOR STANDARD  
BARREL**

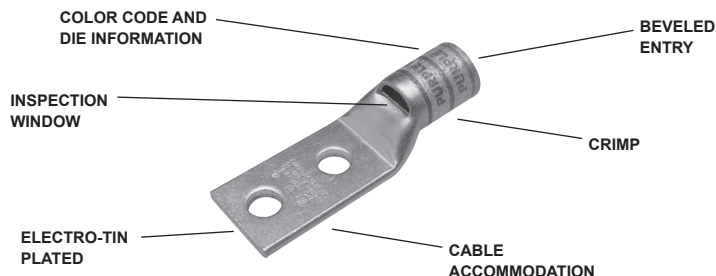
C-66

**TYPES YA-L-2TC,  
YA-L-2TC-FX, YAV-L-2TC-FX**

**COPPER COMPRESSION  
TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

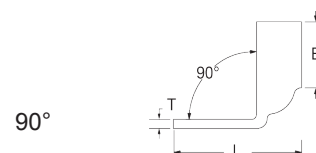
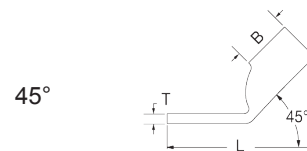
45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175



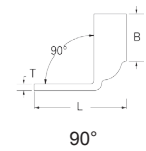
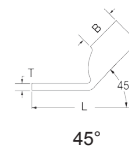
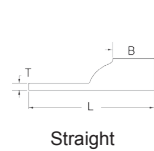
**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section



**TWO HOLE HYLUG™ FLEX  
CONDUCTOR STANDARD  
BARREL**  
(Continued)



UL Listed 90° C, Up to 35 kV ♦



**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.

C-67

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of Crimps)	▲ Installation Tooling					Wire Strip Length	
	AWG/KCMIL	MM² ***				(B)	(T)	(L)		Mech.	Hydraulic		Color Code	Die Index		
											MD6, OUR840, MD7-34R	BCT500, Y500CT				Y35, Y39, Y750, Y46*, PAT750
YA8C-L2TC10	#8 AWG #8 Flex G,H,I,K,M DLO (37/24)	10	#10	5/8	0.41	0.44	0.08	1.83	Y122CMR (1) MRC840 (1) MY29-3 (1) MY29-11 (1) Y8MRB-1 (1) Y1MRTC (1) Y/PAT81KFT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16	
YA8C-L2TC14			1/4	5/8	0.44	0.44	0.08	1.95								
YA8C-L2TC14E2			1/4	3/4	0.44	0.44	0.08	2.08								
YA8C-L2TC14E1			1/4	1	0.44	0.44	0.08	2.33								
YA8C-L2TC38	#6 Sol #8 Sol		3/8	1	0.58	0.44	0.06	2.52								
YAV6C-L2TC10E9-FX	#6 AWG #6 Flex G,H,I,K,M, DLO (61/24)	16	#10	1/2	0.48	0.50	0.08	1.81	Y122CMR (1) MRC840 (1) MY29-11 (1) Y1MRTC (1) Y/PAT81KFT (1) Y/PAT644 (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2	
YAV6C-L2TC10-FX			#10	5/8	0.45	0.50	0.08	1.94								
YAV6C-L2TC10E4-FX			#10	11/16	0.45	0.50	0.08	2.00								
YAV6C-L2TC10E2-FX			#10	3/4	0.48	0.50	0.08	2.06								
YAV6C-L2TC14-FX			1/4	5/8	0.48	0.50	0.08	2.06								
YAV6C-L2TC14E2-FX			1/4	3/4	0.48	0.50	0.08	2.16								
YAV6C-L2TC14E1-FX			1/4	1	0.48	0.50	0.08	2.44								
YAV6C-L2TC516-FX			5/16	1	0.52	0.50	0.07	2.50								
YAV6C-L2TC38-FX			3/8	1	0.58	0.50	0.06	2.62								
YAV6C-L2NTC-FX			1/2	1-3/4	0.83	0.50	0.12	3.81								
YAV4C-L2TC14-FX			#4 AWG #4 Flex G,H,I,K,M, DLO (105/24)	—	1/4	5/8	0.55	0.50								0.09
YAV4C-L2TC14E2-FX	1/4	3/4			0.55	0.50	0.09	2.20								
YAV4C-L2TC14E1-FX	1/4	1			0.55	0.50	0.09	2.45								
YAV4C-L2TC516-FX	5/16	1			0.55	0.50	0.09	2.52								
YAV4C-L2TC38-FX	3/8	1			0.58	0.50	0.08	2.68								
YAV4C-L2NTC-FX	1/2	1-3/4	0.83	0.50	0.12	3.87										
YAV2C-L2TC14-FX	#2 AWG #2 Flex G,H,I,K,M, DLO (150/24)	35	1/4	5/8	0.68	0.63	0.10	2.26	Y12CMR (1) MY29-11 (1) Y1MRTC (1) Y/PAT81KFT (1) Y/PAT644 (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16	
YAV2C-L2TC14E2-FX			1/4	3/4	0.68	0.63	0.10	2.38								
YAV2C-L2TC14E1-FX			1/4	1	0.68	0.63	0.10	2.63								
YAV2C-L2TC516-FX			5/16	1	0.68	0.63	0.10	2.71								
YAV2C-L2TC38-FX			3/8	1	0.68	0.63	0.10	2.82								
YAV2C-L2NTC-FX			1/2	1-3/4	0.83	0.63	0.08	4.07								
YAV1C-L2TC14-FX	#1 AWG #1 Flex G,H,I,K,M, DLO (225/24)	—	1/4	5/8	0.75	0.62	0.12	2.28	MY29-11 (1) Y/PAT81KFT (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (1)	Green	11	11/16	
YAV1C-L2TC14E2-FX			1/4	3/4	0.75	0.62	0.12	2.41								
YAV1C-L2TC14E1-FX			1/4	1	0.75	0.62	0.12	2.65								
YAV1C-L2TC516-FX			5/16	1	0.75	0.62	0.12	2.72								
YAV1C-L2TC38-FX			3/8	1	0.75	0.62	0.12	2.85								
YAV1C-L2NTC-FX	1/2	1-3/4	0.83	0.62	0.11	4.04										
YAV25-L2TC14-FX	1/0 AWG 1/0 Flex G,H,I,K,M, DLO (275/24)	50	1/4	5/8	0.83	0.69	0.12	2.39	MY29-11 (1) Y/PAT81KFT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	11/16	
YAV25-L2TC14E2-FX			1/4	3/4	0.83	0.69	0.12	2.51								
YAV25-L2TC516E2-FX			5/16	3/4	0.83	0.69	0.12	2.57								
YAV25-L2TC516-FX			5/16	1	0.83	0.69	0.12	2.82								
YAV25-L2TC38-FX			3/8	1	0.83	0.69	0.12	2.95								
YAV25-L2TC12E1-FX			1/2	1	0.83	0.69	0.12	3.20								
YAV25-L2NTC-FX			1/2	1-3/4	0.83	0.69	0.12	4.14								

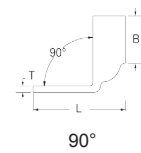
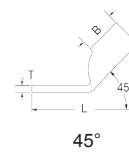
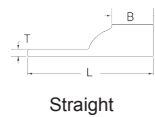
\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 \*\* The MM² conductor size referenced here is for both Class 2 and Class 5 conductor  
 \*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 Note: All dimensions shown are for reference only.

## TWO HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL

(Continued)



C-68

UL Listed 90° C, Up to 35 kV ♦



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.

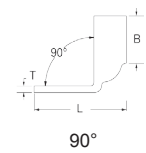
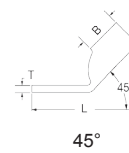
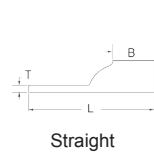
Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						Wire Strip Length
	AWG/KCMIL	MM <sup>2</sup> ***				(B)	(T)	(L)	Dieless (# of Crimps)	Mech.		Hydraulic	Color Code	Die Index	
										MD6, OUR840, MD7-34R	BCT500, Y500CT				
YAV26-L2TC14-FX	2/0 AWG 2/0 Flex G,H,I,K,M, DLO (325/24)	70	1/4	5/8	0.93	0.81	0.13	2.56	MY29-11 (1) Y / PAT644HS (1) Y / PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAV26-L2TC14E2-FX			1/4	3/4	0.93	0.81	0.13	2.68							
YAV26-L2TC516-FX			5/16	1	0.93	0.81	0.13	2.99							
YAV26-L2TC38-FX			3/8	1	0.93	0.81	0.13	3.12							
YAV26-L2TC38E10FX			3/8	1-1/4	0.93	0.81	0.13	3.37							
YAV26-L2TC12E1-FX			1/2	1	0.93	0.81	0.13	3.37							
YAV26-L2NTC-FX			1/2	1-3/4	0.93	0.81	0.13	4.31							
YAV27-L2TC14-FX	3/0 AWG 3/0 Flex G,H,I,K,M, DLO (450/24)	95	1/4	5/8	1.03	1.00	0.14	2.79	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1
YAV27-L2TC38-FX			3/8	1	1.03	1.00	0.14	3.35							
YAV27-L2NTCFX			1/2	1.75	1.03	1.00	0.14	4.54							
YAV28-L2TC14E2-FX	4/0 AWG 3/0 Flex G,H,I,K,M, DLO (550/24)	120	1/4	3/4	1.14	1.03	0.15	2.99	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAV28-L2TC14-FX			1/4	5/8	1.14	1.03	0.15	2.86							
YAV28-L2TC516-FX			5/16	1	1.14	1.03	0.15	3.30							
YAV28-L2TC38-FX			3/8	1	1.14	1.03	0.15	3.43							
YAV28-L2TC12E1FX			1/2	1	1.14	1.03	0.15	3.68							
YAV28-L2TC12-FX			1/2	1-1/4	1.14	1.03	0.15	3.93							
YAV28-L2NTC-FX			1/2	1-3/4	1.14	1.03	0.15	4.62							
YAV29-L2TC14-FX	250 kcmil 4/0 Flex G,H,I,K,M, DLO (550/24)	—	1/4	5/8	1.18	1.03	0.16	2.87	Y / PAT644 (1) Y / PAT81KFT (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAV29-L2TC14E2-FX			1/4	3/4	1.18	1.03	0.16	2.99							
YAV29-L2TC516-FX			5/16	1	1.18	1.03	0.16	3.31							
YAV29-L2TC38-FX			3/8	1	1.18	1.03	0.16	3.43							
YAV29-L2TC12E1FX			1/2	1	1.18	1.03	0.16	3.68							
YAV29-L2TC12-FX			1/2	1-1/4	1.18	1.03	0.16	3.93							
YAV29-L2NTC-FX			1/2	1-3/4	1.18	1.03	0.16	4.62							
YA30-L2TC516FX	250 kcmil G,H	—	5/16	1	1.20	1.03	0.16	3.32	Y / PAT644 (1) Y / PAT81KFT (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YA30-L2TC38-FX			3/8	1	1.20	1.03	0.16	3.45							
YA30-L2NTC-FX			1/2	1-3/4	1.20	1.03	0.16	4.63							
YA31-L2TC38-FX	250 kcmil I,K,M, DLO 262 (650/24)	150	3/8	1	1.29	1.06	0.18	3.51	Y / PAT644 (1) Y / PAT81KFT (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17 or 298	1-1/8
YA31-L2TC12-FX			1/2	1-1/4	1.29	1.06	0.18	4.01							
YA31-L2NTC-FX			1/2	1-3/4	1.29	1.06	0.18	4.70							
YA32-L2TC38-FX	300 kcmil G,H,I,K,M, DLO 313 (775/24)	185	3/8	1	1.40	1.19	0.19	3.69	Y / PAT644 (1) Y / PAT81KFT (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18 or 324	1-1/4
YA32-L2NTC-FX			1/2	1-3/4	1.40	1.19	0.19	4.88							

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 \*\* The MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 Note: All dimensions shown are for reference only.

**TWO HOLE HYLUG™ FLEX  
CONDUCTOR STANDARD  
BARREL**  
(Continued)



UL Listed 90° C, Up to 35 kV ♦



**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	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of Crimps)	▲ Installation Tooling			Color Code	Die Index	Wire Strip Length
	AWG/KCMIL	MM² ***				(B)	(T)	(L)		Mech.	Hydraulic				
											MD6, OUR840, MD7-34R	BCT500, Y500CT			
YA34-L2TC516-FX	350 kcmil G,H,I,K,M, DLO 373 (925/24)	240	5/16	1	1.55	1.27	0.23	3.75	Y / PAT644 (1) Y / PAT81KFT (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19 or 470	1-5/16
YA34-L2TC38-FX			3/8	1	1.55	1.27	0.23	3.88							
YA34-L2NTC38-FX			3/8	1-3/4	1.55	1.27	0.23	4.63							
YA34-L2TC12-FX			1/2	1-1/4	1.55	1.27	0.23	4.38							
YA34-L2NTC-FX			1/2	1-3/4	1.55	1.27	0.23	5.06							
YA36-L2TC38-FX	500 kcmil G,H, DLO 444 (110/24)	—	3/8	1	1.74	1.38	0.27	4.24	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U34RT (2)	Brown	20 or 299	1-7/16
YA36-L2NTC-FX			1/2	1-3/4	1.74	1.38	0.27	5.24							
YA38-L2TC516-FX	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300	5/16	1	1.84	1.45	0.27	4.04	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U38XRT (2)	Pink	L99	1-7/16
YA38-L2TC38-FX			3/8	1	1.84	1.45	0.27	4.35							
YA38-L2TC12-FX			1/2	1-1/4	1.84	1.45	0.27	4.67							
YA38-L2NTC-FX			1/2	1-3/4	1.84	1.45	0.27	5.35							
YA39L2TC38E10FX	600 kcmil G,H,I,K, DLO (1470/24)	—	3/8	1-3/4	1.91	1.42	0.27	4.61	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U38RT (2)	Purple	400	1-1/2
YA39-L2NTC-FX			1/2	1-3/4	1.91	1.42	0.27	5.36							
YA40-L2TC38-FX	650 kcmil G, DLO 646 (1600/24)	400	3/8	1	1.98	1.42	0.30	4.38	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U39RT (2)	Black	24	1-5/16
YA40-L2NTC-FX			1/2	1-3/4	1.98	1.42	0.30	5.38							
YA44-L2TC38-FX	750 kcmil G,H, DLO 777 (1925/24)	500	3/8	1	2.19	1.65	0.33	4.74	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (2) +P44XRT (2)	Yellow	L115	1-5/8
YA44-L2TC12-FX			1/2	1-1/4	2.19	1.65	0.33	5.05							
YA44-L2TC12E3-FX			1/2	1-1/2	2.19	1.65	0.33	5.30							
YA44-L2NTC-FX			1/2	1-3/4	2.19	1.65	0.33	5.74							
YA44-L2TC58-FX			5/8	1-1/2	2.19	1.65	0.33	5.55							

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 • P-RT dies for Y / PAT46 Tooling only  
 \*\* The MM² conductor size referenced here is for both Class 2 and Class 5 conductor  
 \*\*\* The MM² conductor sizes listed are the

recommendations for Class 5 conductor  
 ▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indentor system contact

factory  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only.

# Compression Connections

BURNDY®

Copper Compression — Flex — Standard Barrel — Narrow Tongue

## TWO HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL NARROW TONGUE

C-70

TYPE YAV-L-2NTFX

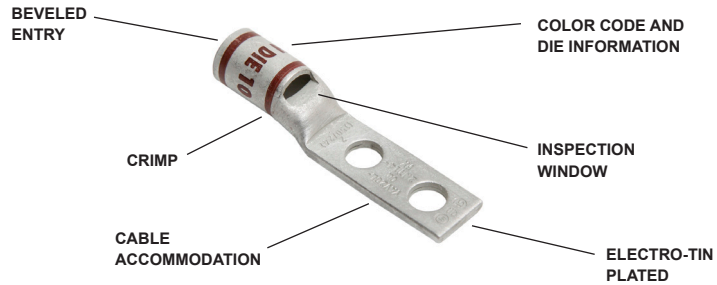
COPPER COMPRESSION  
NARROW TONGUE TERMINAL

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.

Please contact Customer Service to order:

1-800-346-4175

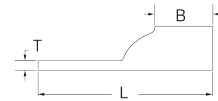


NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

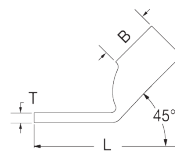
### Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed to allow for more parallel terminations of wire in limited space applications
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

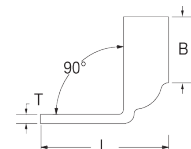
Straight



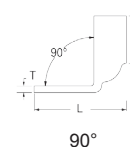
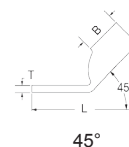
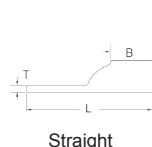
45°



90°



**TWO HOLE HYLUG™ FLEX  
CONDUCTOR STANDARD  
BARREL NARROW TONGUE  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Installation Tooling				Wire Strip Length		
	AWG/ KCMIL	MM <sup>2</sup> ***				(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic			Color Code	Die Index
										MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y750 Y46, PAT750			
YAV4CL2NT10E1FX	#4 AWG	—	#10	1.00	0.41	0.50	0.09	2.33	MY29-11 (1) Y122CMR (2) Y1MRTC (2) Y / PAT81KFT (1) Y / PAT644 (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	9/16
YAV4CL2NT10FX	#4 Flex G,H,I,K,M		#10	5/8	0.41	0.50	0.09	1.95							
YAV4CL2NT14FX	DLO (105/24)		1/4	.63"	0.45	0.50	0.09	2.08							
YAV2CL2NT10FX	#2 AWG	35	#10	.63"	0.48	0.63	0.10	2.14	MY29-11 (1) Y122CMR (2) Y1MRTC (2) Y / PAT81KFT (1) Y / PAT644 (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAV2CL2NT14E1FX	#2 Flex G,H,I,K,M		1/4	1.00"	0.48	0.63	0.10	2.63							
YAV2CL2NT14FX	DLO (150/24)		1/4	.63"	0.48	0.63	0.10	2.26							
YAV1CL2NT14FX	#1 AWG	—	1/4	.63"	0.50	0.62	0.12	2.28	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (1)	Green	11	11/16
YAV1CL2NT516FX	#1 Flex G,H,I,K,M		5/16	1.00"	0.58	0.63	0.12	2.72							
YAV25L2NT14E1FX	DLO (225/24)		1/4	1.00"	0.64	0.69	0.12	2.76							
YAV25L2NT14FX	1/0 AWG	50	1/4	.63"	0.64	0.69	0.12	2.39	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	Pink	12	13/16
YAV25L2NT516FX	1/0 Flex G,H,I,K,M		1/4	.63"	0.64	0.69	0.12	2.99							
YAV26L2NT14FX	DLO (325/24)		5/16	1.00"	0.58	0.81	0.13	2.99							
YAV26L2NT38FX	2/0 AWG	70	1/4	0.63"	0.76	0.81	0.13	2.56	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAV26L2NT516FX	2/0 Flex G,H,I,K,M		3/8	1.00"	0.63	0.81	0.13	3.23							
YAV28L2ENT14FX	DLO (550/24)		5/16	1.00"	0.58	0.81	0.13	2.99							
YAV28L2NT38FX	4/0 AWG	—	1/4	.63	0.76	1.03	0.15	2.86	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAV29L2NT38FX	4/0 Flex G,H,I,K,M		3/8	1	0.94	1.03	0.15	3.43							
YAV29L2NT38FX	DLO (550/24)		3/8	1	0.94	1.03	0.16	3.43	Y / PAT644 (1) Y / PAT81KFT (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	
YA31L2NT38FX	250 kcmil I,K,M	150	3/8	1.00"	0.96	1.06	0.18	3.51	Y / PAT644 (1) Y / PAT81KFT (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17 or 298	1-1/8

Consult cable manufacturers for stress relief instructions  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 \*\*\* The MM<sup>2</sup> conductor sizes Listed are the recommendations for CLASS 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors  
**Note:** All dimensions shown are for reference only

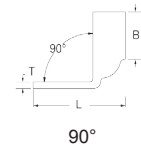
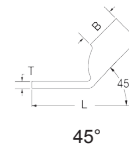
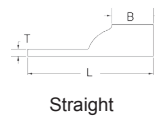
# Compression Connections

**BURNDY®**

Copper Compression — Flex — Standard Barrel — Narrow Tongue

## TWO HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL NARROW TONGUE

(Continued)



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UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling			Wire Strip Length		
	AWG/ KCMIL	MM <sup>2</sup> ***				(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic			Color Code	Die Index
											BCT500, Y500CT	Y35, Y39, Y750 Y46*, PAT750			
YA32L2NT38FX	300 kcmil G,H,I,K,M DLO 313 (775/24)	185	3/8	1.00"	0.96	1.19	0.20	3.69	Y / PAT644 (1) Y / PAT81KFT (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18	1-1/4
YA34L2NT38FX	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	3/8	1	0.96	1.27	0.23	3.88	Y / PAT644 (1) Y / PAT81KFT (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19 or 470	1-5/16
YA36L2NT38FX	500 kcmil G,H	—	3/8	1.00"	1.63	1.38	0.27	4.24	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U34RT (2)	Brown	20	1-7/16
YA36L2ENT38E10FX	DLO 444 (110/24)	—	3/8	1.25	1.50	1.38	0.27	4.49	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U34RT (2)			
YA38L2ENT38FX	500 kcmil H,I,K	300	3/8	1.00"	1.50	1.45	0.27	4.35	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U38XRT (2)	Pink	L99	
YA38L2NT38FX	500 kcmil G,H,I	300	3/8	1	1.63	1.45	0.27	4.35	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U38XRT (2)			
YA38L2NNTFX	DLO 535 (325/24)	300	1/2	1.75	1.63	1.45	0.27	5.35	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U38XRT (2)			
YA40L2NNTFX	650 kcmil G DLO 646 (1600/24)	400	1/2	1.75	1.63	1.42	0.30	5.38	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U39RT (2)	Black	24	1-5/16
YA44L2NNTFX	750 kcmil G,H	500	1/2	1.75	1.63	1.65	0.33	5.74	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (2) +P44XRT (2)	Yellow	L115	1-5/8
YA44L2NT38FX	DLO 777 (1925/24)		3/8	1	1.63	1.65	0.33	4.74							
YA45L2NT38FX	929 kcmil DLO (2300/24)	—	3/8	1.00"	1.70	2.00	0.38	5.18	—	—	—	P44RT (2)	White	27	2-1/16

Consult cable manufacturers for stress relief instructions

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

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™

• P-RT dies for Y / PAT46 Tooling only

\*\*\* The MM<sup>2</sup> conductor sizes Listed are the

recommendations for CLASS 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

**Note:** All dimensions shown are for reference only



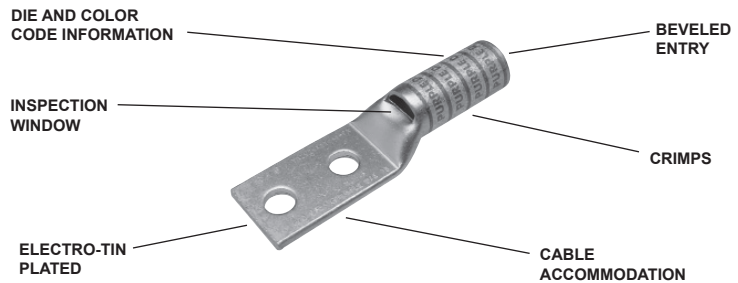
**TWO HOLE HYLUG™  
FLEX CONDUCTOR  
LONG BARREL WITH  
INSPECTION WINDOW**

TYPE YAZ-FX

**COPPER COMPRESSION  
TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to order :  
1-800-346-4175



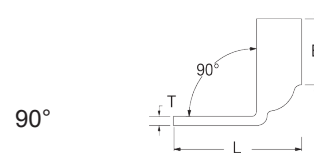
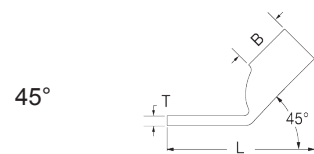
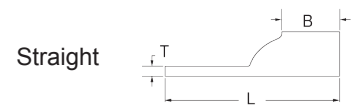
C-73



**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**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section

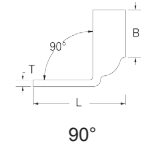
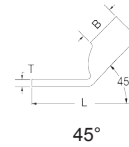
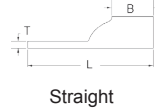


# Compression Connections

**BURNDY®**

Copper Compression — Flex — Long Barrel — Inspection Window

## TWO HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL WITH INSPECTION WINDOW (Continued)



UL Listed 90° C, Up to 35 kV ♦

**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.

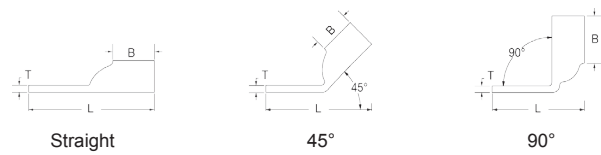
Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of Crimps)	▲ Installation Tooling			Color Code	Die Index	Wire Strip Length
	AWG/KCML	MM² ***				(B)	(T)	(L)		Mech.	Hydraulic				
											MD6, OUR840, MD7-34R	BCT500, Y500CT			
YAZV102TC14E1	14-10 AWG	2.5 - 4	1/4	1.00	0.41	0.69	0.05	2.53	MR20 (2) MRE1022B (2) Y122CMR (2)	—	—	—	—	—	3/4
YAZ8C2TC10FX	#8 AWG	10	#10	5/8	0.41	0.81	0.08	2.20	Y8MRB-1 (1) MY29-11 (2) Y122CMR (2) Y1MRTC (2) Y/PAT81KFT (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	1
YAZ8C2TC10E2FX	#8 Flex		#10	3/4	0.41	0.75	0.08	2.33							
YAZ8C2TC14FX	G,H,I,K,M		1/4	5/8	0.44	0.81	0.08	2.32							
YAZ8C2TC14E2FX	DLO (37/24)		1/4	3/4	0.44	0.81	0.08	2.45							
YAZ8C2TC14E1FX	#6 Sol		1/4	1	0.44	0.81	0.08	2.70							
YAZ8C2TC38FX	#8 Sol		3/8	1	0.58	0.81	0.06	2.89							
YAZV6C2TC10E2FX	#6 AWG #6 Flex G,H,I,K,M DLO (61/24)	16	#10	3/4	0.48	0.75	0.08	2.64	MY29-11 (2) Y / PAT644 (1) Y122CMR (2) Y1MRTC (2) Y/PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7 or 374	1-3/16
YAZV6C2TC14FX			1/4	5/8	0.48	0.75	0.08	2.65							
YAZV6C2TC14E2FX			1/4	3/4	0.48	0.75	0.08	2.78							
YAZV6C2TC14E1FX			1/4	1	0.48	0.75	0.08	3.03							
YAZV6C2TC38E2FX			3/8	3/4	0.58	0.75	0.06	2.97							
YAZV6C2TC38E6FX			3/8	7/8	0.58	0.75	0.06	3.09							
YAZV6C2TC38FX	3/8	1	0.58	0.75	0.06	2.78									
YAZV4C2TC14FX	#4 AWG #4 Flex G,H,I,K,M DLO (105/24)	—	1/4	5/8	0.55	1.25	0.09	2.83	Y1MRTC (4) Y122CMR (4) MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8 or 346	1-5/16
YAZV4C2TC14E2FX			1/4	3/4	0.55	1.25	0.09	2.95							
YAZV4C2TC38E2-FX			3/8	3/4	0.58	1.25	0.08	3.14							
YAZV4C2TC38FX			3/8	1	0.58	1.25	0.08	3.39							
YAZV2C2TC14FX	#2 AWG #2 Flex G,H,I,K,M DLO (140/24)	35	1/4	5/8	0.68	1.38	0.10	3.01	Y122MRC (4) Y1MRTC (4) MY29-11 (4) Y / PAT644 (1) Y / PAT81KFT (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-7/16
YAZV2C2TC14E2FX			1/4	3/4	0.68	1.38	0.10	3.13							
YAZV2C2TC38FX			3/8	1	0.68	1.38	0.10	3.57							
YAZV2C2NTCFX			1/2	1-3/4	0.83	1.38	0.10	4.76							
YAZV1C2TC14FX	#1 AWG #1 Flex G,H,I,K,M DLO (225/24)	—	1/4	5/8	0.75	1.38	0.12	3.04	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	W1CVT (2) W1CRT1 (2) X1CRT1 (2)	U1CRT1 (2)	Green	11 or 375	1-7/16
YAZV1C2TC14E2FX			1/4	3/4	0.75	1.38	0.12	3.16							
YAZV1C2TC14E1FX			1/4	1	0.75	1.38	0.12	3.41							
YAZV1C2TC516E6FX			5/16	7/8	0.75	1.38	0.12	3.35							
YAZV1C2TC516FX			5/16	1	0.75	1.38	0.12	3.47							
YAZV1C2TC38FX			3/8	1	0.75	1.38	0.12	3.60							
YAZV252TC14FX	1/0 AWG 1/0 Flex G,H,I,K,M DLO (275/24)	50	1/4	5/8	0.83	1.50	0.12	3.20	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	Pink	12 or 348	1-9/16
YAZV252TC14E2FX			1/4	3/4	0.83	1.50	0.12	3.32							
YAZV252TC38FX			3/8	1	0.83	1.50	0.12	3.76							
YAZV252NTCFX			1/2	1-3/4	0.83	1.50	0.12	4.95							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* The MM² conductor size referenced here is for both Class 2 and Class 5 conductor  
 \*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only.

**TWO HOLE HYLUG™  
FLEX CONDUCTOR  
LONG BARREL WITH  
INSPECTION WINDOW  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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.

C-75

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of Crimps)	▲ Installation Tooling				Wire Strip Length		
	AWG/ KCMIL	MM² ***				(B)	(T)	(L)		Mech.		Hydraulic			Color Code	Die Index
										MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y750, Y46*, PAT1750				
YAZV262TC14FX	2/0 AWG	70	1/4	5/8	0.93	1.50	0.13	3.20	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16	
YAZV262TC14E2FX	2/0 Flex		1/4	3/4	0.93	1.50	0.13	3.32								
YAZV262TC38E6FX	G,H,I,K,M		3/8	.88	0.93	1.50	0.13	3.68								
YAZV262TC38FX	DLO		3/8	1	0.93	1.50	0.13	3.76								
YAZV262NTCFX	(325/24)		1/2	1-3/4	0.93	1.50	0.13	4.95								
YAZV272TC14E2FX	3/0 AWG	95	1/4	3/4	1.03	1.50	0.14	3.36	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W27VT (4) W27RT (4) X27RT (4)	W27VT (4) W27RT (4) X27RT (4)	U27RT (2)	Orange	14	1-9/16	
YAZV272TC38FX	3/0 Flex		3/8	1	1.03	1.50	0.14	3.80								
YAZV282TC14E2FX	4/0 AWG	120	1/4	3/4	1.14	1.62	0.15	3.52	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16	
YAZV282TC38FX	4/0 Flex		3/8	1	1.14	1.62	0.15	3.96								
YAZV282NTCFX	G,H,I,K,M		1/2	1-3/4	1.14	1.62	0.15	4.93								
YAZV292NT516FX	250 kcmil	—	5/16	1-3/4	0.96	2.00	0.16	4.62	Y / PAT644 (1) Y / PAT81KFT (2)	W29VT (4) X29RT (8)	W29RT (4) W29VT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16	
YAZ302TC38FX	250 kcmil	—	3/8	1	1.20	2.00	0.16	4.42	Y / PAT644 (1) Y / PAT81KFT (2)	W29VT (4) X29RT (8)	W29RT (4) W29VT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16	
YAZ312TC14E2FX	250 kcmil	150	1/4	3/4	1.29	2.00	0.18	4.02	Y / PAT644 (1) Y / PAT81KFT (2)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	White	17 or 298	2-1/16	
YAZ312TC38FX	I,K,M		3/8	1	1.29	2.00	0.18	4.45								
YAZ312NTCFX	DLO 262		1/2	1.75	1.29	2.00	0.18	5.64								
YAZ322TC38FX	300 kcmil	185	3/8	1	1.40	2.12	0.19	4.62	Y / PAT644 (1) Y / PAT81KFT (2)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	Red	18 or 324	2-3/16	
YAZ342TC14E2FX	350 kcmil	240	1/4	3/4	1.55	2.25	0.23	4.42	Y / PAT644 (1) Y / PAT81KFT (2)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4)	Blue	19 or 470	2-5/16	
YAZ342TC38FX	G,H,I,K,M		3/8	1	1.55	2.25	0.23	4.85								
YAZ342NT38FX	DLO 373		3/8	1	0.96	2.25	0.23	4.85								
YAZ342NTCFX	(925/24)		1/2	1-3/4	1.55	2.25	0.23	6.04								
YAZ362TC38FX	500 kcmil	—	3/8	1	1.74	2.69	0.27	5.55	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U34RT (4)	Brown	20 or 299	2-3/4	

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\* The MM² conductor size referenced here is for both Class 2 and Class 5 conductor  
 \*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

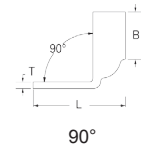
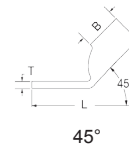
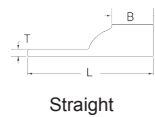
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only.

# Compression Connections

**BURNDY®**

Copper Compression — Flex — Long Barrel — Inspection Window

## TWO HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL WITH INSPECTION WINDOW (Continued)



C-76

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Bolt Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling					Wire Strip Length	
	AWG/ KCMIL	MM <sup>2</sup> ***				(B)	(T)	(L)	Dieless (# of Crimps)	Mech.	Hydraulic		Color Code		Die Index
										MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y750, Y46*, PAT750			
YAZ382NT38FX	500 kcmil H,I,K	300	3/8	1	1.62	2.81	0.27	5.72	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U38XRT (4)	Pink	L99	2-7/8
YAZ382TC38FX			3/8	1	1.84	2.81	0.27	5.72							
YAZ382NNTFX	550 KCMIL G,H,I		1/2	1-3/4	1.62	2.81	0.27	6.72							
YAZ382NTCFX	DLO 535 (325/24)		1/2	1-3/4	1.84	2.81	0.27	6.72							
YAZ402NTCFX	650 kcmil G DLO 646 (1600/24)	—	1/2	1-3/4	1.98	2.94	0.30	6.89	Y644HS (1) Y644MBH (1)	—	—	U39RT (4)	Black	24	3
YAZ442NT38FX	750 kcmil G,H DLO 777 (1925/24)	—	3/8	1	1.62	3.00	0.33	6.08	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (4) •P44XRT (4)	Yellow	L115	3-1/16

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 • P-RT dies for Y / PAT46 Tooling only  
 \*\* The MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the

recommendations for Class 5 conductor  
 ▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors. For nest/indenter system contact factory

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
**Note:** All dimensions shown are for reference only.

**TWO HOLE HYLUG™  
FLEX CONDUCTOR  
LONG BARREL  
BELLED END**

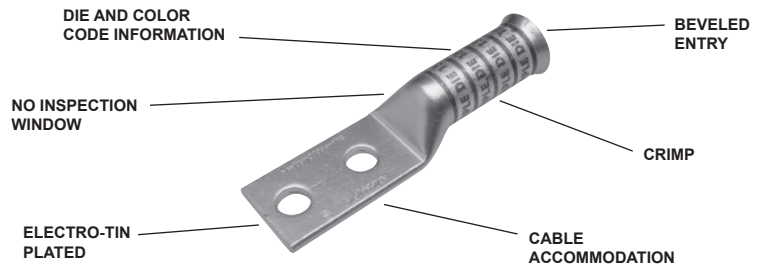
**TYPES YA-2TC-FXB,  
YAV-2TC-FXB**

**COPPER COMPRESSION  
TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.

Please contact Customer Service to order:  
1-800-346-4175



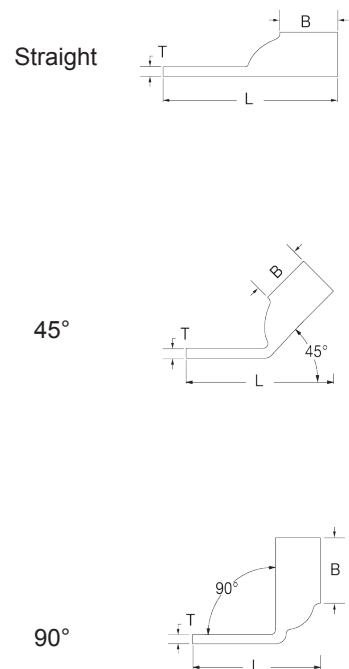
C-77



**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 a “belled” end opening at the wire entry, to ensure smooth insertion of highly flexible stranded 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
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section

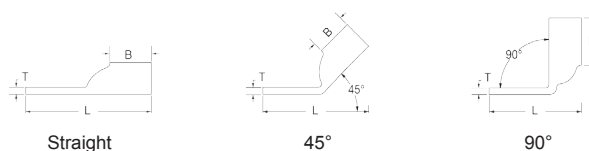


# Compression Connections

**BURNDY®**

Copper Compression — Flex — Long Barrel — Belled End — No Inspection Window

## TWO HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL BELLED END (Continued)



C-78

UL Listed 90° C, Up to 35 kV ♦



**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.

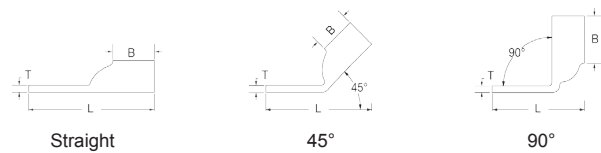
Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
	AWG/ KCMIL	MM² ***				(B)	(T)	(L)		Mech.	Hydraulic		Color Code		Die Index
											MD6, OUR840, MD7-34R	BCT500, Y500CT			
YA8C2TC14E2-FXB	#8 AWG	**	1/4	3/4"	0.44	0.90	0.08	2.54	Y8MRB-1 (2) Y1MRTC (2) MY29-11 (2) Y/PAT81KFT (1)	W8CRT (2) W8CVT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	Red	49	1
YA8C2TC38-FXB	#8 Flex G,H,I,K,M DLO (37/24) #6 Sol #8 Sol		3/8	1"	0.58	0.90	0.06	2.98							
YAV6C2TC14E2-FXB	#6 AWG	**	1/4	3/4"	0.48	1.22	0.08	2.88	Y122CMR (2) Y1MRTC (2) MY29-11 (2) Y/PAT644 (1) Y/PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	Blue	7	1-5/16
YAV6C2TC14-FXB	#6 Flex		1/4	5/8"	0.48	1.22	0.08	2.76							
YAV6C2TC38-FXB	G,H,I,K,M DLO		3/8	1"	0.58	1.22	0.06	3.32							
YAV6C2N-FXB	(61/24)		1/2	1-3/4"	0.83	1.22	0.12	4.51							
YAV4C2TC14E2-FXB	#4 AWG	—	1/4	3/4"	0.55	1.22	0.09	2.93	Y122CMR (4) Y1MRTC (4) MY29-11 (2) Y/PAT644 (1) Y/PAT81KFT (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8	1-5/16
YAV4C2TC14-FXB	#4 Flex		1/4	5/8"	0.55	1.22	0.09	2.81							
YAV4C2TC516-FXB	G,H,I,K,M DLO		5/16	1"	0.55	1.22	0.09	3.24							
YAV4C2TC38-FXB	(105/24)		3/8	1"	0.58	1.22	0.09	3.37							
YAV4C2N-FXB			1/2	1-3/4"	0.83	1.22	0.12	4.56							
YA3C2TC516-FXB	#3 AWG		—	5/16	1"	0.55	1.48	0.09							
YA3C2TC38-FXB	#3 Flex G,H,I,K,M DLO	3/8		1"	0.58	1.48	0.09	3.64							
YAV3C2NFXB	(125/24)	1/2		1.75"	0.83	1.48	0.12	4.83							
YAV2C2TC14E1-FXB	#2 AWG	35	1/4	1"	0.68	1.35	0.10	3.38	MY29-11 (2) Y/PAT644 (1) Y/PAT81KFT (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-7/16
YAV2C2TC14E2-FXB	#2 Flex		1/4	3/4"	0.68	1.35	0.10	3.13							
YAV2C2TC14-FXB	G,H,I,K,M DLO		1/4	5/8"	0.68	1.35	0.10	3.00							
YAV2C2TC38-FXB	(150/24)		3/8	1"	0.68	1.35	0.10	3.57							
YAV2C2TC516-FXB			5/16	1"	0.68	1.35	0.10	3.44							
YAV2C2N-FXB			1/2	1-3/4"	0.83	1.35	0.12	4.76							
YAV1C2TC38-FXB	#1 AWG	—	3/8	1"	0.75	1.50	0.12	3.74	MY29-11 (2) Y/PAT644 (1) Y/PAT81KFT (1)	W1CVT (2) W1CRT-1 X1CRT-1 (2)	W1CVT (2) W1CRT-1 (2) X1CRT-1 (2)	U1CRT-1 (2)	Green	11	1-9/16
YAV1C2N-FXB	#1 Flex G,H,I,K,M DLO		1/2	1-3/4"	0.83	1.50	0.11	4.92							
YAV252TC14E2-FXB	1/0 AWG	50	1/4	3/4"	0.83	1.50	0.12	3.34	MY29-11 (2) Y/PAT644 (1) Y/PAT81KFT (2)	W25RT (4) W25VT (4) X25RT (4)	W25RT (4) W25VT (4) X25RT (4)	U25RT (2)	Pink	12	1-9/16
YAV252TC14-FXB	1/0 Flex		1/4	5/8"	0.83	1.50	0.12	3.21							
YAV252TC38-FXB	G,H,I,K,M DLO		3/8	1"	0.83	1.50	0.12	3.78							
YAV262TC14E2-FXB	2/0 AWG	70	1/4	3/4"	0.93	1.63	0.13	3.52	MY29-11 (2) Y/PAT644 (1) Y/PAT81KFT (2)	W26RT (4) W26VT (4) X26RT (4)	W26RT (4) W26VT (4) X26RT (4)	U26RT (2)	Black	13	1-13/16
YAV262TC14-FXB	2/0 Flex		1/4	5/8"	0.93	1.63	0.13	3.40							
YAV262NTC38-FXB	G,H,I,K,M DLO		3/8	1-3/4"	0.93	1.63	0.13	4.71							
YAV262TC38-FXB	(325/24)		3/8	1"	0.93	1.63	0.13	3.96							
YAV262N-FXB			1/2	1-3/4"	0.93	1.63	0.13	5.15							

Consult cable manufacturers for stress relief instructions  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 \*\* The MM² conductor sizes referenced here are for both Class 2 and Class 5 conductors

\*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor  
 ‡ P-RT die sets for use in Y46 HYPRESS™ only, PUADP adapter not required  
 Note: All dimensions shown are for reference only.

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

**TWO HOLE HYLUG™  
FLEX CONDUCTOR  
LONG BARREL  
BELLED END  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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.

C-79

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
	AWG/ KCMIL	MM² ***				(B)	(T)	(L)		Mech.	Hydraulic		Color Code		Die Index
											MD6, OUR840, MD7-34R	BCT500, Y500CT			
YAV272TC14E2-FXB	3/0 AWG	95	1/4	3/4"	1.03	1.64	0.14	3.58	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W27RT (4) W27VT (4) X27RT (4)	W27RT (4) W27VT (4) X27RT (4)	U27RT (2)	Orange	14	1-13/16
YAV272TC38-FXB	3/0 Flex		3/8	1"	1.03	1.64	0.14	4.01							
YAV272N-FXB	G,H,I,K,M DLO (450/24)		1/2	1-3/4"	1.03	1.64	0.14	5.20							
YAV282TC14E2-FXB	4/0 AWG	**	1/4	3/4"	1.14	1.77	0.14	3.76	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W28RT (4) W28VT (4) X28RT (6)	W28RT (4) W28VT (4) X28RT (6)	U28RT (2)	Purple	15	1-7/8
YAV282TC38-FXB	4/0 Flex	120	3/8	1"	1.14	1.77	0.14	4.20							
YAV282NT38-FXB	G,H,I,K,M DLO (550/24)	**	3/8	1"	1.14	1.77	0.14	4.20							
YAV282NTC38-FXB	G,H,I,K,M DLO (550/24)	120	3/8	1-3/4"	1.14	1.77	0.14	4.20	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W28RT (4) W28VT (4) X28RT (6)	W28RT (4) W28VT (4) X28RT (6)	U28RT (2)	Purple	15	1-7/8
YAV282N-FXB	G,H,I,K,M DLO (550/24)	120	1/2	1-3/4"	1.14	1.77	0.14	5.39							
YAV292TC14E2-FXB	250 kcmil	—	1/4	3/4"	1.18	2.16	0.16	4.19							
YAV292TC38-FXB	4/0 Flex		3/8	1"	1.18	2.16	0.16	3.62							
YAV292NT38-FXB	G,H,I,K,M DLO (550/24)		3/8	1"	0.75	2.16	0.16	5.54							
YAV292NTC38-FXB	G,H,I,K,M DLO (550/24)	—	3/8	1-3/4"	1.18	2.16	0.16	5.37	Y / PAT644 (1) Y / PAT81KFT (2)	W29VT (4) X29RT (6)	W29RT (4) W29VT (4) X29RT (6)	U29RT (2)	Yellow	16	2-1/4
YAV292N-FXB	G,H,I,K,M DLO (550/24)	—	1/2	1-3/4"	1.18	2.16	0.16	5.81							
YA302N-FXB	250 kcmil G,H	—	1/2	1-3/4"	1.20	2.16	0.16	5.80							
YA312TC38-FXB	250 kcmil 4/0 Flex	150	3/8	1"	1.29	2.18	0.18	4.66	Y / PAT644 (1) Y / PAT81KFT (2)	W30VT (4)	W30RT (4) W30VT (4)	U30RT (4)	White	17	2-1/4
YA312N-FXB	G,H,I,K,M DLO (550/24)		1/2	1-3/4"	1.29	2.18	0.18	5.85							
YA322TC38-FXB	300 kcmil G,H,I,K,M DLO 313 (775/24)	185	3/8	1"	1.40	2.32	0.19	4.85	Y / PAT644 (1) Y / PAT81KFT (2)	W31VT (4)	W31RT (4) W31VT (4)	U31RT (4)	Red	18	2-1/4
YA322N-FXB	G,H,I,K,M DLO 313 (775/24)		1/2	1-3/4"	1.40	2.32	0.19	6.04							
YA342TC38-FXB	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	3/8	1"	1.55	2.48	0.23	5.10	Y / PAT644 (1) Y / PAT81KFT (2)	W32VT (4)	W32RT (4) W32VT (4)	U32RT (4)	Blue	19	2-9/16
YA342N-FXB	G,H,I,K,M DLO 373 (925/24)		1/2	1-3/4"	1.55	2.48	0.23	6.29							

Consult cable manufacturers for stress relief instructions  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions  
 \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 \*\* The MM² conductor sizes referenced here are for both

Class 2 and Class 5 conductors  
 \*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor  
 † P-RT die sets for use in Y46 HYPRESS™ only, PUADP adapter not required

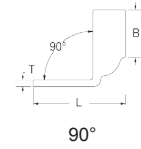
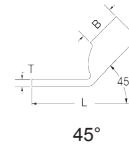
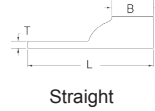
**Note:** All dimensions shown are for reference only.  
 ▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

# Compression Connections

**BURNDY®**

Copper Compression — Flex — Long Barrel — Belled End — No Inspection Window

## TWO HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL BELLED END (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.

UL Listed 90° C, Up to 35 kV ♦

C-80

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling							
	AWG/ KCMIL	MM <sup>2</sup> ***				(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code	Die Index	Wire Strip Length		
											BCT500, Y500CT	Y35, Y39, Y750 Y46*, PAT750					
YA362NFXB	500 kcmil G,H DLO 444 (110/24)	300	1/2	1-3/4"	1.73	2.95	0.26	6.84	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U34RT (4)	Brown	20	3-1/16		
YA382N-FXB	500 kcmil H,I,K	300	1/2	1-3/4"	1.84	3.08	0.26	7.01				U38XRT (4)	—	—	Pink	L99	3-3/16
YA382-FXBG2	550 kcmil G,H,I		1/2	2"	1.84	3.08	0.27	6.82									
YA382-FXBG3	DLO 535 (325/24)		1/2	1-3/16	1.84	3.08	0.27	6.26									
YA382TC38-FXB	550 kcmil G,H,I DLO 535 (325/24)	300	3/8	1"	1.84	3.08	0.26	6.01	Y / PAT644 (1) Y / PAT81KFT (3)	—	—	U39RT (4)	Black	24	3-5/16		
YA402N-FXB	650 kcmil G DLO 646 (1600/24)	400	1/2	1-3/4"	1.98	3.24	0.30	7.22				U44XRT (4) +P44XRT (4)	—	—	Yellow	L115	3-7/16
YA442TC38-FXB	750 kcmil G,H DLO 777 (1925/24)	500	3/8	1"	2.19	3.33	0.33	6.44									
YA442N-FXB	750 kcmil G,H DLO 777 (1925/24)	500	1/2	1-3/4"	2.19	3.33	0.33	7.44	—	—	—	—	—	29	3-11/16		
YA462N-FXB	1111 kcmil DLO (2750/24)	—	1/2	1-3/4"	2.69	3.58	0.39	7.91								+P45RT (4)**	

Consult cable manufacturers for stress relief instructions

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

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™

• P-RT dies for Y / PAT46 Tooling only

\*\* The MM<sup>2</sup> conductor sizes referenced here are for both

Class 2 and Class 5 conductors

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor

**Note:** All dimensions shown are for reference only.

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors



**TWO HOLE HYLUG™  
FLEX CONDUCTOR  
LONG BARREL  
NARROW TONGUE**

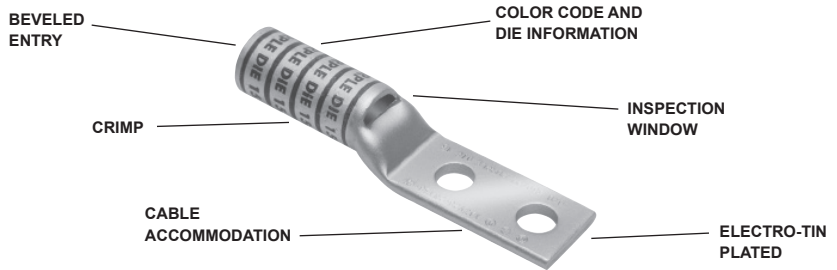
**TYPES YAZ-2-NTFX,  
YAZV-2NTFX**

**COPPER COMPRESSION  
NARROW TONGUE TERMINAL**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.

Please contact Customer Service to order:  
1-800-346-4175



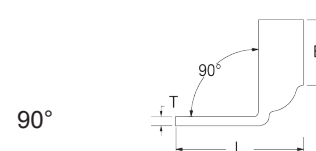
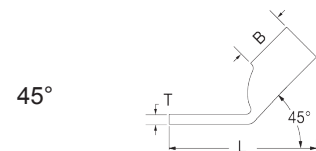
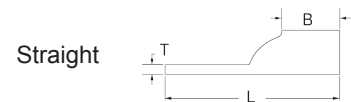
C-81



**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**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Narrow tongue/tang is designed to allow for more parallel terminations of wire in limited space applications
- 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
- 45° and 90° angular lugs are available, please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section

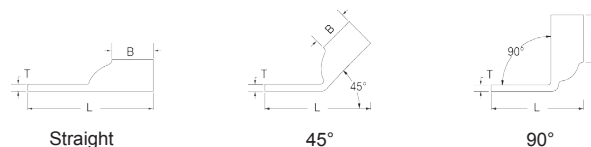


# Compression Connections

**BURNDY®**

Copper Compression — Flex — Long Barrel — Narrow Tongue

## TWO HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL NARROW TONGUE



C-82

(Continued)

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Stud Hole Size		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	▲ Installation Tooling				Wire Strip Length	
	AWG/ KCMIL	MM²				(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index
											BCT500, Y500CT	Y35, Y39, Y750, Y46*, PAT750			
YAZV4C2NT14E2FX	#4 AWG #4 Flex G,H,I,K,M DLO (105/24)	—	1/4	0.75	0.44	1.25	0.09	2.95	Y122CMR (4) Y1MRTC (4) MY29-11 (4) Y / PAT644 (1) Y / PAT81KFT (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2)	Gray	8	1-5/16
YAZV2C2NT14E2FX	#2 AWG #2 Flex G,H,I,K,M DLO (150/24)	35	1/4	0.75	0.50	1.38	0.10	3.14	Y122CMR (4) Y1MRTC (4) MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-7/16
YAZV252NT14FX	1/0 AWG 1/0 Flex G,H,I,K,M DLO (275/24)	—	1/4	.62	0.48	1.50	0.12	3.35	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2) Y / PAT4PC834 (2)	W25RT (4) X25RT (4) W25VT (4)	W25RT (4) X25RT (4) W25VT (4)	U25RT (2)	Pink	12 or 348	1-9/16
YAZV282NT38FX	4/0 AWG 4/0 Flex G,H,I,K,M DLO (550/24)	—	3/8	1.00	0.94	1.62	0.17	3.96	MY29-11 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YAZV292NT516FX	250 kcmil 4/0 Flex G,H,I,K,M DLO (550/24)	—	5/16	1.00	0.96	2.00	0.16	4.28	Y / PAT644 (1) Y / PAT81KFT (2)	W29VT (4) X29RT (8)	W29RT (4) W29VT (4) X29RT (8)	U29RT (2)	Yellow	16	2-1/16
YAZ342NT38FX	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	3/8	1.00	0.96	2.25	0.23	4.85	Y / PAT644 (1) Y / PAT81KFT (2)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4)	Blue	19	2-5/16
YAZ382ENT38FX	500 kcmil H,I,K	300	3/8	1.00	1.46	2.81	0.27	5.72	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U38XRT (4)	Pink	L99	2-7/8
YAZ382NT38FX	550 kcmil G,H,I DLO 535 (325/24)		3/8	1.00	1.62	2.81	0.27	5.72							
YAZ382NNTFX	750 kcmil G,H DLO 777 (1925/24)		1/2	1.75	1.62	2.81	0.27	6.72							
YAZ442NT38FX	750 kcmil G,H DLO 777 (1925/24)	500	3/8	1.00	1.62	3.00	0.33	6.09	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (4) •P44XRT (4)	Yellow	L115	3-1/16

Consult cable manufacturers for stress relief instructions

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

\*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor.

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™

• P-RT dies for Y / PAT46 Tooling only

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color-coded die recommendations for -FX connectors

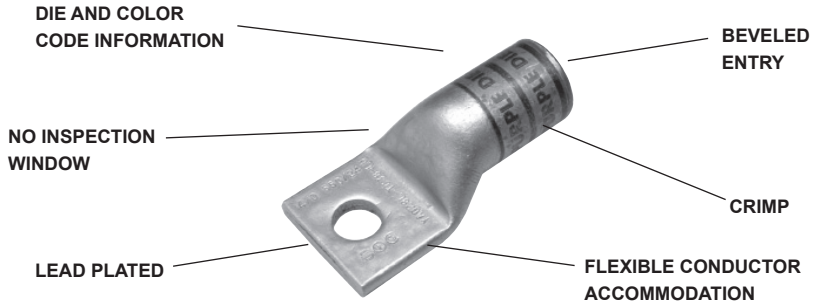
**Note:** All dimensions shown are for reference only.

**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL  
LEAD PLATED**

**TYPE YAG-L-TC-LD**

UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles are available.  
Please contact Customer Service to order:  
1-800-346-4175



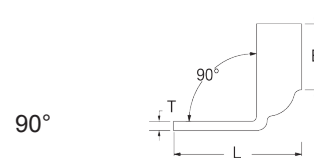
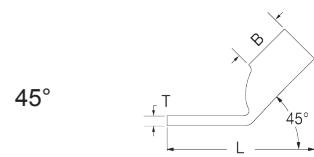
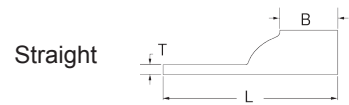
C-83



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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available, please contact Customer Service
- Lead plated for battery connectors or other heavy duty equipment, to reduce the corrosion from lead/acid batteries
- Connectors are clearly marked with stamping and the barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details

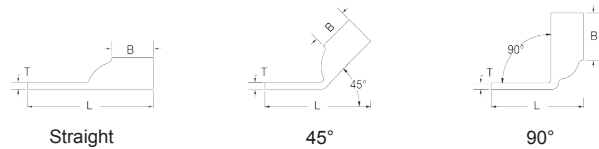


# Compression Connections

**BURNDY®**

Copper Compression — Flex — Lead Plated — No Inspection Window

## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL LEAD PLATED (Continued)



C-84

UL Listed 90° C, Up to 35 kV ♦



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.

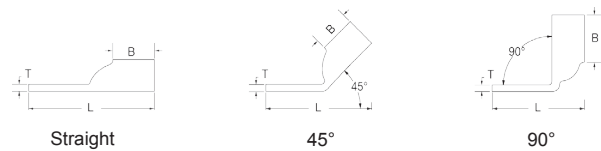
Catalog Number	Fig #	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
		AWG/ KCML	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index
											BCT500, Y500CT	Y35, Y39, Y750 Y46*, PAT750			
YAG18TC516LD	1	22-18 AWG	—	5/16	0.35	0.32	0.06	1.42	MR20 (1)	—	—	—	—	—	1/4
YAG8CLTC10LD	1	#8 AWG	**	#10	0.41	0.44	0.08	1.19	MY29-11 (1) Y122CMR (1) Y1MRTC (1) Y/PAT81KFT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	1/2
YAG8CLTC14LD		#8 Flex		1/4	0.44	0.44	0.08	1.32							
YAG8CLTC516LD		G,H,I,K,M DLO (37/24)		5/16	0.52	0.44	0.06	1.38							
YAG8CLTC38LD		#6 Sol		3/8	0.58	0.44	0.06	1.51							
YAG8CLTC12LD		#8 Sol		1/2	0.71	0.44	0.05	1.76							
YAG6CLTC10LD	1	#6 AWG	**	#10	0.48	0.50	0.08	1.30	Y1MRTC (1) MY29-11 (1) Y/PAT81KFT (1) Y/PAT644 (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2
YAG6CLTC14LD		#6 Flex		1/4	0.48	0.50	0.08	1.43							
YAG6CLTC516LD		G,H,I,K,M DLO (61/24)		5/16	0.52	0.50	0.07	1.49							
YAG6CLTC38LD		#6 Sol		3/8	0.58	0.50	0.06	1.61							
YAG6CLTC12LD		#8 Sol		1/2	0.75	0.50	0.12	1.86							
YAG4CLTC10LD	1	#4 AWG	—	#10	0.55	0.50	0.09	1.36	Y122CMR (2) Y1MRTC (2) MY29-11 (1) Y/PAT81KFT (1) Y/PAT644 (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2
YAG4CLNT10LD		#4 Flex		#10	0.41	0.50	0.09	1.36							
YAG4CLTC14LD		G,H,I,K,M DLO (105/24)		1/4	0.55	0.50	0.09	1.48							
YAG4CLTC516LD		#4 Sol		5/16	0.55	0.50	0.09	1.55							
YAG4CLTC38LD		#4 Sol		3/8	0.58	0.50	0.08	1.67							
YAG4CLTC12LD		#4 Sol		1/2	0.71	0.50	0.07	1.92							
YAG2CLTC10LD	1	#2 AWG	35	#10	0.68	0.63	0.10	1.52	Y122CMR (2) Y1MRTC (2) MY29-11 (1) Y/PAT81KFT (1) Y/PAT644 (1)	W2CRT (1) W2CVT (1) X2CRT (1)	W2CRT (1) W2CVT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAG2CLTC14LD		#2 Flex		1/4	0.68	0.63	0.10	1.64							
YAG2CLTC516LD		G,H,I,K,M DLO (150/24)		5/16	0.68	0.63	0.10	1.70							
YAG2CLTC38LD		#2 Sol		3/8	0.68	0.63	0.10	1.83							
YAG2CLTC12LD		#2 Sol		1/2	0.73	0.63	0.09	2.12							
YAG1CLTC10LD	1	#1 AWG	—	#10	0.75	0.69	0.12	1.54	MY29-11 (1) Y/PAT81KFT (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (1)	Green	11	11/16
YAG1CLTC14LD		#1 Flex		1/4	0.75	0.69	0.12	1.67							
YAG1CLTC516LD		G,H,I,L,M DLO (225/24)		5/16	0.75	0.69	0.12	1.73							
YAG1CLTC38LD		#1 Sol		3/8	0.75	0.69	0.12	1.86							
YAG1CLTC12LD	#1 Sol	1/2	0.75	0.69	0.12	2.11									
YAG25LTC14LD	1	1/0 AWG	50	1/4	0.83	0.69	0.12	1.77	MY29-11 (1) Y/PAT81KFT (1)	W25RT (2) W25VT (2) X25RT (2)	W25RT (2) W25VT (2) X25RT (2)	U25RT (1)	Pink	12	11/16
YAG25LTC516LD		1/0 Flex		5/16	0.83	0.69	0.12	1.84							
YAG25LTC38LD		1/0 Sol		3/8	0.83	0.69	0.12	1.96							
YAG25LTC12LD		1/0 Sol		1/2	0.83	0.69	0.12	2.21							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor.

▲ See tooling section of this catalog for complete tool and die listings.  
 † Alternate Tooling includes Y8MRB-1, MY29-11

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
 Note: All dimensions shown are for reference only.

**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL  
LEAD PLATED  
(Continued)**



C-85

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Fig #	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
		AWG/ KCMIL	MM <sup>2</sup> ***			(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index
											BCT500, Y500CT	Y35, Y39, Y750 Y46*, PAT750			
YAG26LTC10LD	1	2/0 AWG 2/0 Flex G,H,I,K,M DLO (325/24)	70	#10	0.93	0.81	0.13	1.82	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAG26LTC14LD				1/4	0.93	0.81	0.13	1.95							
YAG26LTC516LD				5/16	0.93	0.81	0.13	2.01							
YAG26LTC38LD				3/8	0.93	0.81	0.13	2.13							
YAG26LTC12LD				1/2	0.93	0.81	0.13	2.38							
YAG26LTC58LD				5/8	0.93	0.81	0.13	2.63							
YAG26LTC34LD	3/4	0.93	0.81	0.11	2.89										
YAG27LTC10LD	1	3/0 AWG 3/0 Flex G,H,I,K,M DLO (450/24)	95	#10	1.03	1.00	0.14	2.05	MY29-11 (1) Y / PAT81KFT (1)	W27VT (2) X27RT (3) W27RT (2)	W27VT (2) X27RT (3) W27RT (2)	U27RT (1)	Orange	14	1
YAG27LTC14LD				1/4	1.03	1.00	0.14	2.18							
YAG27LTC516LD				5/16	1.03	1.00	0.14	2.24							
YAG27LTC38LD				3/8	1.03	1.00	0.14	2.37							
YAG27LTC12LD				1/2	1.03	1.00	0.14	2.62							
YAG28LTC14LD	1	4.0 AWG 4/0 Flex G,H,I,K,M DLO (550/24)	120	1/4	1.14	1.03	0.15	2.26	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W28VT (2) X28RT (3) W28RT (2)	W28VT (2) X28RT (3) W28RT (2)	U28RT (1)	Purple	15	1-1/16
YAG28LTC516LD				5/16	1.14	1.03	0.15	2.32							
YAG28LTC516N66LD				5/16	1.14	1.03	0.15	2.64							
YAG28LTC38LD				3/8	1.14	1.03	0.15	2.45							
YAG28LTC12LD				1/2	1.14	1.03	0.15	2.70							
YAG28LTC58LD				5/8	1.14	1.03	0.15	2.95							
YAG29LTC516LD	1	250 kcmil 4/0 Flex G,H,I,K,M DLO (550/24)	—	5/16	1.18	1.03	0.16	2.33	Y / PAT644 (1) Y / PAT81KFT (1)	W29VT (2) X29RT (4)	W29VT (2) X29RT (4) W29RT (2)	U29RT (1)	Yellow	16	1-1/16
YAG29LTC38LD				3/8	1.18	1.03	0.16	2.45							
YAG29LTC12LD				1/2	1.18	1.03	0.16	2.70							
YAG29LTC34LD				3/4	1.18	1.03	0.16	3.14							
YAG30LTC58LD	1	250 kcmil G,H	—	5/8	1.20	1.03	0.16	2.97	Y / PAT644 (1) Y / PAT81KFT (1)	W29VT (2) X29RT (4)	W29VT (2) X29RT (4) W29RT (2)	U29RT (1)	Yellow	16	1-1/16
YAG30LTC34LD				3/4	1.20	1.03	0.16	3.16							
YAG31LTC14LD	1	250 kcmil I,K,M DLO 262 (650/24)	150	1/4	1.29	1.06	0.18	2.35	Y / PAT644 (1) Y / PAT81KFT (1)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	White	17	1-1/8
YAG31LTC516LD				5/16	1.29	1.06	0.18	2.41							
YAG31LTC38LD				3/8	1.29	1.06	0.18	2.53							
YAG31LTC12LD				1/2	1.29	1.06	0.18	2.78							
YAG31LNT12LD				1/2	0.96	1.06	0.18	2.78							
YAG31LTC58LD				5/8	1.29	1.06	0.18	3.03							
YAG31LTC34LD				3/4	1.29	1.06	0.18	3.22							
YAG32LTC38LD	1	300 kcmil G,H,I,K,M DLO 313 (775/24)	185	3/8	1.40	1.19	0.19	2.72	Y / PAT644H (1) Y / PAT81KFT (1)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	Red	18	1-1/4
YAG32LTC12LD				1/2	1.40	1.19	0.19	2.97							
YAG32LTC58LD				5/8	1.40	1.19	0.19	3.22							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor.

▲ See tooling section of this catalog for complete tool and die listings.  
 † Alternate Tooling includes Y8MRB-1, MY29-11

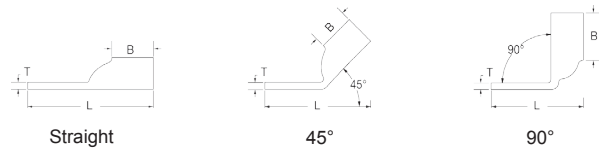
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
 Note: All dimensions shown are for reference only.

# Compression Connections

**BURNDY®**

Copper Compression — Flex — Lead Plated — No Inspection Window

## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL LEAD PLATED (Continued)



C-86

UL Listed 90° C, Up to 35 kV ♦



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.

Catalog Number	Fig #	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
		AWG/ KCML	MM² ***			(B)	(T)	(L)		Mech. MD6, OUR840, MD7-34R	Hydraulic		Color Code		Die Index
											BCT500, Y500CT	Y35, Y39, Y750 Y46*, PAT750			
YAG34LTC516LD	1	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	5/16	1.55	1.27	0.23	2.78	Y / PAT644 (1) Y / PAT81KFT (1)	W32VT (2)	W32VT (2) W32RT (2)	U32RT (2)	Blue	19	1-5/16
YAG34LTC516N66LD				5/16	1.54	1.27	0.23	3.09							
YAG34LNT516N66LD				5/16	0.96	1.27	0.23	3.09							
YAG34LTC38LD				3/8	1.55	1.27	0.23	2.91							
YAG34LTC12LD				1/2	1.55	1.27	0.23	3.16							
YAG34LTC58LD				5/8	1.55	1.27	0.23	3.41							
YAG36LTC12LD	1	500 kcmil G,H DLO 444 (110/24)	—	1/2	1.73	1.38	0.27	3.34	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U34RT (2)	Brown	20	1-3/8
YAG36LTC58LD				5/8	1.73	1.38	0.27	3.59							
YAG38LTC516LD	1	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300	5/16	1.84	1.45	0.27	3.08	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U38XRT (2)	Pink	L99	1-7/16
YAG38LTC38LD				3/8	1.84	1.45	0.27	3.39							
YAG38LTC12LD				1/2	1.84	1.45	0.27	3.46							
YAG38LTC58LD				5/8	1.84	1.45	0.27	3.71							
YAG40LTC516LD	1	650 kcmil G DLO 646 (1600/24)	400	5/16	1.96	1.42	0.30	3.11	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U39RT (2)	Black	24	1-5/16
YAG40LTC38LD				3/8	1.96	1.42	0.30	3.42							
YAG40LTC12LD				1/2	1.96	1.42	0.30	3.48							
YAG40LTC58LD				5/8	1.96	1.42	0.30	3.73							
YAG44LTC12LD	1	750 kcmil G,H DLO 777 (1925/24)	500	1/2	2.18	1.65	0.33	3.85	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (2) •P44XRT (2)	Yellow	L115	1-5/8
YAG44LTC58LD				5/8	2.18	1.65	0.33	4.10							

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

• P-RT dies for Y / PAT46 Tooling only

\*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor.

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

† Alternate Tooling includes Y8MRB-1, MY29-11

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

Note: All dimensions shown are for reference only.

**TWO HOLE HYLUG™ FLEX  
CONDUCTOR STANDARD  
BARREL LEAD PLATED**

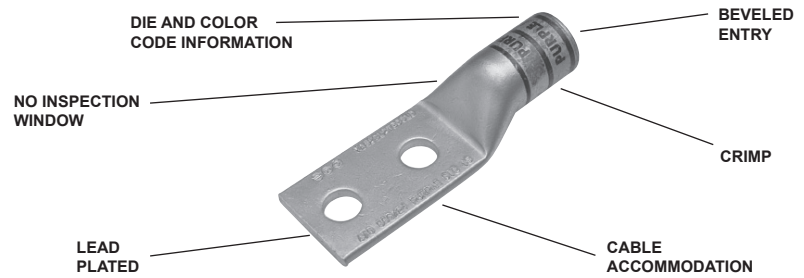
TYPE YAG-L-2TC-LD

**COPPER COMPRESSION  
TERMINAL**

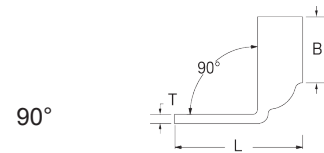
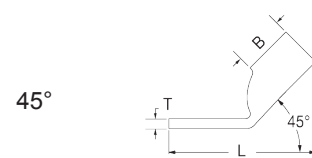
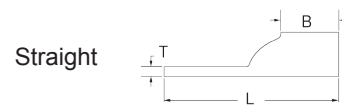
UL Listed 90° C, Up to 35 kV ♦



**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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**Features & Benefits**

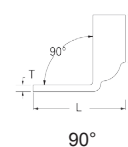
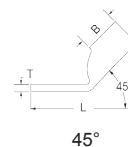
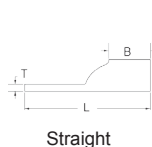
- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Lead plated for battery connectors or other heavy duty equipment, to reduce the corrosion from lead/acid batteries
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodating wire sizes #10 - 4/0 AWG accommodate both Flex and Code Wire. See Tables on each page for specific details

# Compression Connections

**BURNDY®**

Copper Compression — Flex — Lead Plated — No Inspection Window

## TWO HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL LEAD PLATED (Continued)



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UL Listed 90° C, Up to 35 kV ♦



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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling							
	AWG/ KCMIL	MM² ***				(B)	(T)	(L)	Dieless (# of Crimps)	Mech.		Hydraulic		Color Code	Die Index	Wire Strip Length
										MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y750, Y46*, PAT750				
YAG8CL-2TC10-LD	#8 AWG	10	#10	5/8	0.41	0.44	0.08	1.84	MRC840 (1) MY29-3 (1) MY29-11 (1) Y8MRB-1 (1) Y122CMR (1) Y1MRTC (1) Y/PAT81KFT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16	
YAG8CL-2TC14-LD	#8 Flex		1/4	5/8	0.44	0.44	0.08	1.95								
YAG8CL-2TC14E2-LD	G,H,I,K,M		1/4	3/4	0.44	0.44	0.08	2.08								
YAG8CL-2TC14E1-LD	DLO (37/24)		1/4	1	0.44	0.44	0.08	2.33								
YAG8CL-2TC38-LD	#6 Sol #8 Sol		3/8	1	0.58	0.44	0.06	2.52								
YAG6CL-2TC10E-LD	#6 AWG #6 Flex G,H,I,K,M DLO (61/24)	16	#10	1/2	0.48	0.50	0.08	1.81	MY29-11 (1) Y122CMR (1) Y1MRTC (1) Y/PAT81KFT (1) Y/PAT644 (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	Blue	7	1/2	
YAG6CL-2TC10-LD			#10	5/8	0.45	0.50	0.08	1.94								
YAG6CL-2TC10E4-LD			#10	11/16	0.44	0.50	0.07	2.00								
YAG6CL-2TC10E2-LD			#10	3/4	0.48	0.50	0.08	2.06								
YAG6CL-2TC14-LD			1/4	5/8	0.48	0.50	0.08	2.06								
YAG6CL-2TC14E2-LD			1/4	3/4	0.48	0.50	0.08	2.18								
YAG6CL-2TC14E1-LD			1/4	1	0.48	0.50	0.08	2.44								
YAG6CL-2TC516-LD			5/16	1	0.52	0.50	0.07	2.50								
YAG6CL-2TC38-LD			3/8	1	0.58	0.50	0.06	2.62								
YAG6CL-2NTC-LD	1/2	1-3/4	0.83	0.50	0.12	3.81										
YAG4CL-2NT10-LD	#4 AWG #4 Flex G,H,I,K,M DLO (105/24)	—	#10	5/8	0.41	0.50	0.09	1.99	MY29-11 (1) Y122CMR (2) Y1MRTC (2) Y/PAT81KFT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	U4CRT (1)	Gray	8	1/2	
YAG4CL-2NT10E1-LD			#10	1	0.41	0.50	0.09	2.37								
YAG4CL-2TC14-LD			1/4	5/8	0.55	0.50	0.09	2.11								
YAG4CL-2TC14E2-LD			1/4	3/4	0.55	0.50	0.09	2.24								
YAG4CL-2TC14E1-LD			1/4	1	0.55	0.50	0.09	2.49								
YAG4CL-2TC516-LD			5/16	1	0.55	0.50	0.09	2.56								
YAG4CL-2TC38-LD			3/8	1	0.58	0.50	0.08	2.68								
YAG4CL-2NTC-LD			1/2	1-3/4	0.83	0.50	0.12	3.87								
YAG2CL-2TC14-LD	#2 AWG #2 Flex G,H,I,K,M DLO (150/24)	35	1/4	5/8	0.68	0.63	0.10	2.28	MY29-11 (1) Y122CMR (2) Y1MRTC (2) Y/PAT81KFT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16	
YAG2CL-2TC14E2-LD			1/4	3/4	0.68	0.63	0.10	2.40								
YAG2CL-2TC14E1-LD			1/4	1	0.68	0.63	0.10	2.63								
YAG2CL-2TC516-LD			5/16	1	0.68	0.63	0.10	2.71								
YAG2CL-2TC38-LD			3/8	1	0.68	0.63	0.10	2.84								
YAG2CL-2NTC-LD	1/2	1-3/4	0.83	0.63	0.08	4.03										
YAG1CL-2TC14-LD	#1 AWG #1 Flex G,H,I,K,M DLO (225/24)	—	1/4	5/8	0.75	0.62	0.12	2.30	MY29-11 (1) Y/PAT81KFT (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	W1CVT (1) W1CRT1 (1) X1CRT1 (1)	U1CRT1 (1)	Green	11	11/16	
YAG1CL-2TC14E2-LD			1/4	3/4	0.75	0.69	0.12	2.49								
YAG1CL-2TC14E1-LD			1/4	1	0.75	0.69	0.12	2.73								
YAG1CL-2TC516-LD			5/16	1	0.75	0.62	0.12	2.74								
YAG1CL-2TC38-LD			3/8	1	0.75	0.62	0.12	2.87								
YAG1CL-2NTC-LD	1/2	1-3/4	0.83	0.62	0.11	4.06										

\* Use PUADP-1 adapter with U dies in Y46 Hypress™.

\*\* The MM² conductor size referenced here is for both Class 2 and Class 5 conductor.

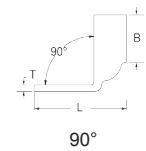
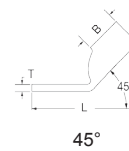
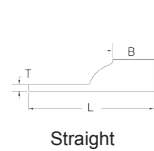
\*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor.

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

Note: All dimensions shown are for reference only.



**TWO HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL  
LEAD PLATED  
(Continued)**



UL Listed 90° C, Up to 35 kV ♦



**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	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						
	AWG/ KCMIL	MM² ***				(B)	(T)	(L)	Dieless (# of Crimps)	Mech.		Color Code	Die Index	Wire Strip Length	
										MD6, OUR840, MD7-34R	BCT500, Y500CT				
YAG25L-2TC14-LD	1/0 AWG 1/0 Flex G,H,I,K,M DLO (275/24)	50	1/4	5/8	0.83	0.69	0.12	2.41	MY29-11 (1) Y/PAT81KFT (1)	W25RT(2) X25RT(2) W25VT(2)	Y35, Y39, Y750, Y46*, PAT750	U25RT (1)	Pink	12	11/16
YAG25L-2TC14E2-LD			1/4	3/4	0.83	0.69	0.12	2.53							
YAG25L-2TC516E2-LD			5/16	3/4	0.83	0.69	0.12	2.60							
YAG25L-2TC516-LD			5/16	1	0.83	0.69	0.12	2.85							
YAG25L-2TC38-LD			3/8	1	0.83	0.69	0.12	2.97							
YAG25L-2NTC-LD			1/2	1-3/4	0.83	0.69	0.12	4.16							
YAG25L-2TC12E1-LD			1/2	1	0.83	0.69	0.12	3.22							
YAG26L-2TC14-LD	2/0 AWG 2/0 Flex G,H,I,K,M DLO (325/24)	70	1/4	5/8	0.93	0.81	0.13	2.58	MY29-11 (1) Y/PAT644 (1) Y/PAT81KFT (1)	W26RT (2) W26VT (2) X26RT (2)	W26RT (2) W26VT (2) X26RT (2)	U26RT (1)	Black	13	13/16
YAG26L-2TC14E2-LD			1/4	3/4	0.93	0.81	0.13	2.71							
YAG26L-2TC516-LD			5/16	1	0.93	0.81	0.13	3.02							
YAG26L-2TC38-LD			3/8	1	0.93	0.81	0.13	3.14							
YAG26L-2NTC-LD			1/2	1-3/4	0.93	0.81	0.13	4.33							
YAG27L-2TC14-LD	3/0 AWG 3/0 Flex G,H,I,K,M DLO (450/24)	95	1/4	5/8	1.03	1.00	0.14	2.81	MY29-11 (1) Y/PAT644 (1) Y/PAT81KFT (1)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	Orange	14	1
YAG27L-2TC14E2-LD			1/4	3/4	1.03	1.00	0.14	2.94							
YAG27L-2TC516-LD			5/16	1	1.03	1.00	0.14	3.25							
YAG27L-2TC38-LD			3/8	1	1.03	1.00	0.14	3.38							
YAG27L-2NTC-LD			1/2	1-3/4	1.03	1.00	0.14	4.56							
YAG28L-2TC14-LD	4/0 AWG 4/0 Flex G,H,I,K,M DLO (550/24)	120	1/4	5/8	1.14	1.03	0.15	2.90	MY29-11 (1) Y/PAT644 (1) Y/PAT81KFT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	Purple	15	1-1/16
YAG28L-2TC14E2-LD			1/4	3/4	1.14	1.03	0.15	3.02							
YAG28L-2TC516-LD			5/16	1	1.14	1.03	0.15	3.33							
YAG28L-2TC38-LD			3/8	1	1.14	1.03	0.15	3.46							
YAG28L-2NT38-LD			3/8	1	0.94	1.03	0.17	3.48							
YAG28L-2TC12E1-LD			1/2	1	1.14	1.03	0.17	3.71							
YAG28L-2TC12-LD			1/2	1-1/4	1.14	1.03	0.15	3.96							
YAG28L-2NTC-LD			1/2	1-3/4	1.14	1.03	0.15	4.65							
YAG29L-2TC14-LD	250 kcmil 4/0 Flex G,H,I,K,M DLO (550/24)	—	1/4	5/8	1.14	1.03	0.16	2.90	Y/PAT644 (1) Y/PAT81KFT (1)	W29VT (2) X29RT (4)	W29VT (2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAG29L-2TC14E2-LD			1/4	3/4	1.18	1.03	0.16	3.03							
YAG29L-2TC516-LD			5/16	1	1.18	1.03	0.16	3.34							
YAG29L-2TC38-LD			3/8	1	1.18	1.03	0.16	3.43							
YAG29L-2NT38-LD			3/8	1	0.94	1.03	0.16	3.48							
YAG29L-2TC12E1-LD			3/8	1	1.14	1.03	0.16	3.71							
YAG29L-2TC12-LD			1/2	1/4	1.18	1.03	0.16	3.96							
YAG29L-2NTC-LD			1/2	1-3/4	1.18	1.03	0.16	4.65							
YAG30L-2TC38-LD	250 kcmil G,H	—	3/8	1	1.20	1.03	0.16	3.48	Y/PAT644 (1) Y/PAT81KFT (1)	W29VT (2) X29RT (4)	(2) W29RT (2) X29RT (4)	U29RT (1)	Yellow	16	1-1/16
YAG30L-2TC12-LD			1/2	1-1/4	1.20	1.03	0.16	3.98							
YAG30L-2NTC-LD			1/2	1-3/4	1.20	1.03	0.16	4.67							

\* Use PUADP-1 adapter with U dies in Y46 Hypress™.  
\*\* The MM² conductor size referenced here is for both Class 2 and Class 5 conductor.

\*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor.  
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

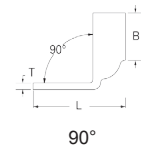
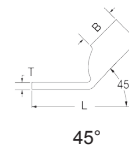
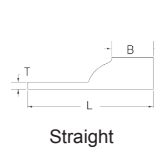
# Compression Connections

**BURNDY®**

Copper Compression — Flex — Lead Plated — No Inspection Window

## TWO HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL LEAD PLATED

(Continued)



C-90

UL Listed 90° C, Up to 35 kV ♦



**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.

Catalog Number	Conductor		Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			▲ Installation Tooling						
	AWG/ KCMIL	MM <sup>2</sup> ***				(B)	(T)	(L)	Dieless (# of Crimps)	Mech.	Hydraulic		Color Code	Die Index	Wire Strip Length
										MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y750, Y46*, PAT750			
YAG31L-2TC38-LD	250 kcmil	150	3/8	1	1.29	1.06	0.18	3.54	Y / PAT644 (1) Y / PAT81KFT (1)	W30VT (2)	W30VT (2) W30RT (2)	White	17	1-1/8	
YAG31L-2NTC38-LD	I,K,M		3/8	1-3/4	1.29	1.06	0.18	3.54							
YAG31L-2TC12-LD	DLO 262		1/2	1-1/4	1.29	1.06	0.18	4.04							
YAG31L-2NTC-LD	(650/24)		1/2	1-3/4	1.29	1.06	0.18	4.73							
YAG32L-2TC38-LD	300 kcmil	185	3/8	1	1.40	1.19	0.19	3.73	Y / PAT644 (1) Y / PAT81KFT (1)	W31VT (2)	W31VT (2) W31RT (2)	Red	18	1-1/4	
YAG32L-2NTC-LD	G,H,I,K,M DLO 313		1/2	1-3/4	1.40	1.19	0.19	4.91							
YAG34L-2TC516-LD	350 kcmil G,H,I,K,M DLO 373	240	5/16	1	1.55	1.27	0.23	3.79	Y / PAT644 (1) Y / PAT81KFT (1)	W32VT (2)	W32VT (2) W32RT (2)	Blue	19	1-5/16	
YAG34L-2TC38-LD			3/8	1	1.55	1.27	0.23	3.92							
YAG34L-2NT38-LD			3/8	1-3/4	0.96	1.27	0.23	3.92							
YAG34L-2TC12-LD			1/2	1-1/4	1.55	1.27	0.23	4.42							
YAG34L-2NTC-LD			1/2	1-3/4	1.55	1.27	0.23	5.11							
YAG36L-2TC38-LD	500 kcmil	—	3/8	1	1.73	1.38	0.27	4.28	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U34RT (2) U31ART (1)	Brown	20	1-3/8
YAG36L-2NTC-LD	G,H DLO 444		1/2	1-3/4	1.73	1.38	0.27	5.28							
YAG38L-2TC516-LD	500 kcmil	300	5/16	1	1.82	1.45	0.27	4.09	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U38XRT (2)	Pink	20	1-3/8
YAG38L-2NT38-LD	H,I,K		3/8	1	1.63	1.45	0.27	4.40							
YAG38L-2TC38-LD	550 kcmil		3/8	1	1.82	1.45	0.27	4.40							
YAG38L-2TC12-LD	G,H,I		1/2	1-1/4	1.82	1.45	0.27	4.72							
YAG38L-2NTC-LD	DLO 535		1/2	1-3/4	1.82	1.45	0.27	5.40							
YAG39L-2NTC-LD	600 kcmil	—	1/2	1-3/4	1.90	1.19	0.27	5.29	Y / PAT644 (1) Y / PAT81KFT (1)	—	—	U38RT (2)	Purple	400	1-3/8
YAG40L-2TC38-LD	650 kcmil	400	3/8	1	1.98	1.42	0.30	4.43	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U39RT (2)	Black	24	1-5/16
YAG40L-2NNT-LD	G		1/2	1-3/4	1.63	1.42	0.30	5.43							
YAG40L-2NTC-LD	DLO 646		1/2	1-3/4	1.98	1.42	0.30	5.43							
YAG44L-2TC38-LD	750 kcmil G,H DLO 777	500	3/8	1	2.18	1.65	0.33	4.80	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (2) +P44XRT (2)	Yellow	L115	1-5/8
YAG44L-2TC12-LD			1/2	1-1/4	2.18	1.65	0.33	5.11							
YAG44L-2TC12E3-LD			1/2	1-1/2	2.18	1.65	0.33	5.36							
YAG44L-2NTC-LD			1/2	1-3/4	2.18	1.65	0.33	5.80							
YAG44L-2TC58-LD			5/8	1-1/2	2.18	1.65	0.33	5.61							

\* Use PUADP-1 adapter with U dies in Y46 Hypress™.  
 • P-RT dies for Y / PAT46 Tooling only  
 \*\* The MM<sup>2</sup> conductor size referenced here is for both Class 2 and Class 5 conductor.

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 5 conductor.  
 ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

**Note:** All dimensions shown are for reference only.

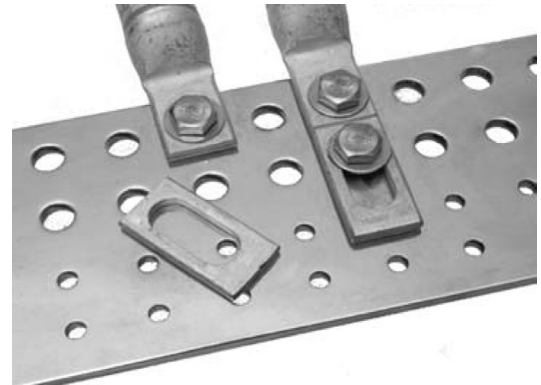
**TYPES YBA, YBA-FX and YBAV-FX**

**BREAK-AWAY HYLUG™**

Copper Compression Terminals  
UL Listed 90° C, Up to 35 kV ♦

The Break-Away HYLUG™ line of Copper terminals are designed to provide maximum field flexibility by allowing the installer (using the Break-Away feature) to easily convert two-hole terminals to one-hole terminals to suit the application, while retaining UL Listing and CSA Certification.

The Break-Away HYLUG™ line of terminals encompasses a wide range of features that affords the installer the flexibility in meeting the requirements for challenging projects.



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**Features & Benefits**

- BREAK-AWAY feature allows for field modification of the terminal from a two-hole design to a one-hole design
- Field modification of the terminal does not require specialized tooling or training.
- Slotted second stud provides built in flexibility for the terminal to conform to various bus bar dimensions.
- Narrow tongue design allows for the terminal to fit into tight spaces.
- Accommodates a wide range of conductor combinations (AWG, Compact, DLO, Flex and Metric).
- Terminals are range taking when installed with Y644HSXT or PAT644 tooling platforms.



**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.

Catalog Number	Conductor Size	mm <sup>2</sup>	Dimensions						Installation Tooling (# of Crimps)					
			Stud Hole Spacing	Stud Hole Size [MM]	Tongue Width	B	T	L	Dieless	MD6, MD7, MD7-34R platforms OUR840**	Y500CTHS, PAT60018V, PATMD6 platform	Y35, Y39, Y750, *Y46, PAT750, *PAT46 platform	Color Code	Die Index
YBAV25FX14	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50	.63" to 1.00"	1/4" [6]	0.73	1.50	0.13	3.69	MY29 (MY29 platform tools can only be used on Code Conductor), PAT644- & Y644-platforms (1) 4-POINT® Y81K, PAT81K, Y4PC PAT4PC-platforms (2)	W25VT (4) X25RT (4) W25RT (4)	W25VT (4) X25RT (4) W25RT (4)	U25RT (2)	Pink	12 or 348
YBAV26FX14	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70	.63" to 1.00"	1/4" [6]	0.89	1.50	0.13	3.74		W26VT (4) X26RT (4) W26RT (4)	W26VT (4) X26RT (4) W26RT (4)	U26RT (2)	Black	13
YBAV27FX14	3/0 AWG G,H,I,K,M DLO (450/24) 3/0 AWG	95	.63" to 1.00"	1/4" [6]	0.87	1.50	0.14	3.78		W27VT (4) X27RT (4) W27RT (4)	W27VT (4) X27RT (4) W27RT (4)	U27RT (4)	Orange	14
YBAV28FX	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120	1" to 1.75"	1/2" [12]	0.94	1.62	0.14	5.24		X28RT (6) W28RT (4) W28VT (4)	X28RT (6) W28RT (4) W28VT (4)	U28RT (2)	Purple	15
YBA29	250 kcmil	-	1" to 1.75"	1/2" [12]	0.96	1.62	0.16	5.21		W29RT (4) W29VT (4)	W29RT (4) W29VT (4)	U29RT (2)	Yellow	16
YBA31FX	250 kcmil I,K,M DLO 262 (650/24)	150	1" to 1.75"	1/2" [12]	0.96	2.00	0.18	5.68	PAT644 & Y644 platforms (1), 4-POINT® Y81K, PAT81K, Y4PC, PAT4PC platforms (2) for YBA29, (3) for YBA31FX & YBA32FX (4) for YBA34FX	W30VT(4) W30RT(4)	W30VT (4) W30RT (4)	U30RT (4)	White	17 or 298
YBA32FX	300 kcmil G,H,I,K,M DLO 313 (775/24)	185	1" to 1.75"	1/2" [12]	0.96	2.12	0.19	5.85		W31VT (4) W31RT (4)	W31VT (4) W31RT (4)	U31RT (4)	Red	18 or 324
YBA34FX	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	1" to 1.75"	1/2" [12]	0.96	2.25	0.23	6.08		W32VT (4) W32RT (4)	W32VT (4) W32RT (4)	U32RT (4)	Blue	19 or 470

\* Y46 and PAT46 platforms require PUADP-1 adaptor to use U dies

\*\* OUR840 can use X-style dies only

# Compression Connections

Copper Compression — Long Barrel — Break-Away

**BURNDY®**

## TYPES YBA, YBA-FX and YBAV-FX

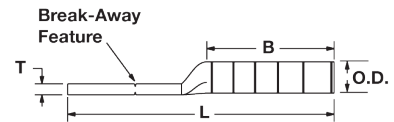
### BREAK-AWAY HYLUG™

(Continued)

Copper Compression Terminals

UL Listed 90° C, Up to 35 kV ♦

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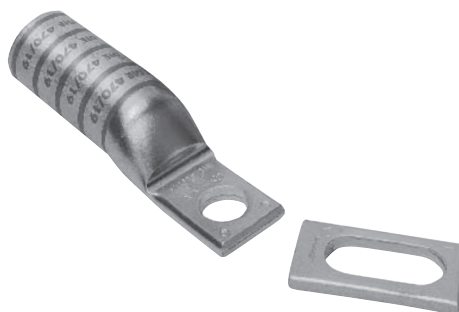
**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Conductor Size	mm <sup>2</sup>	Dimensions						Installation Tooling (# of Crimps)					
			Stud Hole Spacing	Stud Hole Size [MM]	Tongue Width	B	T	L	Dieless	MD6, MD7, MD7-34R platforms OUR840**	Y500CTHS, PAT60018V, PATMD6 platform	Y35, Y39, Y750, *Y46, PAT750, *PAT46 platform	Color Code	Die Index
YBA36FX	500 kcmil G,H DLO 444 (110/24)	-	1" to 1.75"	1/2" [12]	1.47	2.69	0.27	6.59	Y644HSXT (1), PAT644XT-18V (1), Y81KFT(2), PAT81KFT (2)	-	-	U34RT (4)	Brown	20 or 299
YBA36FX58			1" to 1.75"	5/8" [16]	1.47	2.69	0.27	6.59				U34RT (4)		
YBA38FX	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300	1" to 1.75"	1/2" [12]	1.62	2.81	0.27	6.76				U38XRT (4)	Pink	L99
YBA39	750 kcmil (Code Class AA; A & B)	-	1" to 1.75"	1/2" [12]	1.63	2.88	0.27	6.87				U39RT (4)	Black	24
YBA44FX	750 kcmil G,H DLO 777 (1925/24)	500	1" to 1.75"	1/2" [12]	1.62	3.00	0.32	7.14				U44XRT (4)	Yellow	L115
YBA44FX58		500	1.25" to 2.00"	5/8" [16]	1.62	3.00	0.32	7.46				*P44XRT (4)		

\* Y46 and PAT46 platforms require PUADP-1 adaptor to use U dies

\*\* OUR840 can use X-style dies only

• P-RT dies for Y / PAT46 Tooling only



**TYPE YBA-A**

**BREAK-AWAY HYLUG™**

Aluminum Compression Terminals  
 UL Listed 90° C, Up to 35 kV ♦

The Break-Away HYLUG™ line of Aluminum terminals are designed to provide maximum field flexibility by allowing the installer (using the break-away feature) to easily convert a two-hole terminal into a one-hole terminal to suit the application while retaining UL Listing and CSA Certification.

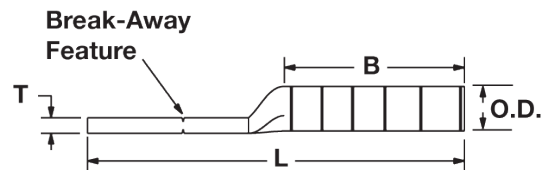
The Break-Away HYLUG™ line of terminals encompasses a wide range of features that offers the installer the flexibility to meet the requirements of challenging projects.

**Features & Benefits**

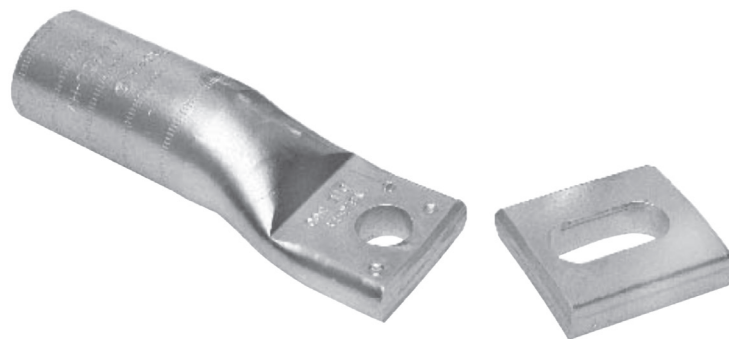
- Break-Away feature allows for field modification of the terminal from a two-hole design to a one-hole design
- Field modification of the terminal does not require specialized tooling or training
- Narrow tongue design allows for the terminal to fit into tight spaces
- Accommodates copper and aluminum wire
- Factory prefilled with PENETROX™ oxide inhibiting compound
- Slotted second stud provides built in flexibility for the terminal to conform to various bus bar dimensions.
- Terminals are range taking when installed with Y644 or PAT644XT-18V tooling platforms
- Electro-tin plated provides durable long lasting corrosion resistance
- Internal bevel edge provides easy cable insertion
- Connector clearly marked with wire size, die index, and color code



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**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.



### TYPE YBA-A

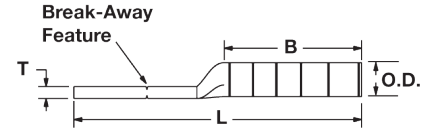
### BREAK-AWAY HYLUG™

(Continued)

Aluminum Compression Terminals

UL Listed 90° C, Up to 35 kV ♦

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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.

Catalog Number	Conductor Size (Concentric and Compact)	Dimensions						Installation Tooling (# of crimps)						
		Stud Hole Spacing	Stud Hole Size	Tongue Width	B	T	L	Dieless	MD6, MD7, MD7-34R platforms OUR840**	Y500CTHS, PAT60018V, PATMD6 platform	35, 39, 750 platforms, *46 platforms	Color Code	Die Index	
YBA25A	1/0	1" to 1.75"	1/2	1.03	1.05	0.17	4.59	MY29 (MY29 platform tools for use on CODE conductor only), 644 platforms (1), 4-POINT® platforms (2)	W241 (2) X241 (4)	W241 (2)	U25ART (1)	Tan	296	
YBA26A	2/0	1" to 1.75"	1/2	1.03	1.17	0.20	4.78		—	—	U26ART (2)	Olive	297	
YBA27A	3/0	1" to 1.75"	1/2	1.04	1.31	0.26	5.02		—	—	U27ART (2)	Ruby	467	
YBA28A	4/0	1" to 1.75"	1/2	1.17	1.39	0.30	5.19		—	W660 (4)	U28ART (2)	White	298	
YBA29A	250 kcmil	1" to 1.75"	1/2	1.26	1.45	0.33	5.28		—	—	U29ART (2)	Red	324	
YBA30A	300 kcmil & ±4/0 AWG CCA DLO (329/22)	1" to 1.75"	1/2	1.38	1.53	0.36	5.64	644 platforms (1) 4-POINT® platforms (4)	—	—	U30ART (2)	Blue	470	
YBA31A	350 kcmil & ±250 kcmil CCA DLO (399/22)	1" to 1.75"	1/2	1.52	1.85	0.39	6.07		—	—	U31ART (2)	Brown	299	
YBA32A	400 kcmil	1" to 1.75"	1/2	1.62	2.26	0.43	6.15		—	—	U32ART (4)	Green	472	
YBA34A	500 kcmil & ±350 kcmil CCA DLO (551/22)	1" to 1.75"	1/2	1.62	2.34	0.46	6.80		—	—	U34ART (4)	Pink	300	
YBA36A	600 kcmil & ±500 kcmil CCA DLO (779/22)	1" to 1.75"	1/2	1.31	2.47	0.52	7.09		—	—	U36ART (4)	Black	473	
YBA39A	700 / 750 kcmil & ±600 kcmil CCA DLO (925/22)	1" to 1.75"	1/2	1.62	2.46	0.43	7.07		—	—	U39ART-2 (4)	Yellow	936	
YBA42A	600 - 900 kcmil	1" to 1.75"	1/2	1.62	2.46	0.39	7.15		—	—	U42ART (4)	Gray	303	
YBA44A	1000 kcmil & ±750 or 800 kcmil CCA DLO (1184/22) or (1250/22)	1" to 1.75"	1/2	1.65	2.74	0.55	7.76		Y644 platform (1)	—	—	P44ART (4)	Brown	302

† Can only be crimped with PAT46 or Y46 platform tools using the P44ART die

‡ UL Listed with DLO Copper Clad Aluminum conductor using Y644 tools ONLY

\* Y46 and PAT46 platforms require PUADP-1 adaptor to use U dies

\*\* OUR840 can use X-style dies only

▲ U die for 900 AL only

**TYPES YBA-KIT,  
YA-KIT, YBAFX-KIT,  
YAFX-KIT**

**Copper and Aluminum  
Turbine Lug Kits**

UL Listed 90° C, Up to 35 kV ♦

Aiding in the staging and flow of material on a project, the BURNDY® Turbine Lug Kits are designed to meet the termination requirements for the standard 1.5 MW wind turbine, improving overall project efficiency. Each lug kit contains UL Listed and CSA Certified copper or aluminum lugs. Kits include the required number of lugs needed to terminate aluminum or copper conductors on the low voltage side of a base transformer or the down tower switchgear. There are four individual kits, two for aluminum, two for copper, they are all custom designed to handle any termination requirements.



**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.



C-95

**Features & Benefits**

- **YA44A3** (1000 kcmil aluminum) HYLUG™, 2-hole, narrow tongue aluminum compression terminal that is dual rated for both copper and aluminum
- **YBA44A** (1000 kcmil, 1000 compact aluminum) Break-Away HYLUG™, 2-hole narrow tongue aluminum compression terminal that is dual rated for both copper and aluminum. The break-away feature allows for field modification of the terminal from a 2-hole to a 1-hole terminal and still retain UL Listing and CSA Certification
- **YAZ442NNTFX** (777.7 Flex, 1925/24 str., 750 kcmil copper) HYLUG™, 2-hole narrow tongue copper compression terminal that accommodates flex and AWG conductor
- **YBA44FX** (777.7 Flex, 1925/24 str. [750 kcmil] nom. copper) Break-Away HYLUG™, 2-hole, narrow tongue copper compression terminal that accepts a wide range of conductor combinations (AWG, compact, DLO, flex, metric). The Break-Away feature allows field modification of the terminal from a 2-hole to 1-hole terminal and still retain UL Listing and CSA Certification
- Both aluminum and copper low voltage turbine lug kits include **YA29-2N** (250 kcmil, copper, 2-hole) lugs for terminating grounding conductor
- Aluminum kits are shipped with squeeze packets of PENETROX™ oxide inhibitor for terminating aluminum conductor

**Copper Kits**

Catalog Number	Includes:
YBAFX15CLKIT	15 pcs YBA44FX (777.7 Flex Cu 2-hole NEMA lug); 3 pcs YA29-2N (250 kcmil Cu 2-hole NEMA lug)
YAFX15CLKIT	15 pcs YAZ442NNTFX (777.7 Flex Cu 2-hole NEMA lug); 3 pcs YA29-2N (250 kcmil Cu 2-hole NEMA lug)

**Aluminum Kits**

Catalog Number	Includes:
YBA15ALKIT	15 pcs YBA44A (1000 Al 2-hole NEMA lug); 3 pcs YA29-2N (250 kcmil Cu 2-hole NEMA lug); 1 squeeze tube (1/2 oz) of PENETROX™ oxide inhibitor
YA15ALKIT	15 pcs YA44A3 (1000 Al 2-hole NEMA lug); 3 pcs YA29-2N (250 kcmil Cu 2-hole NEMA lug); 1 squeeze tube (1/2 oz) of PENETROX™ oxide inhibitor



Heat shrink and mounting hardware sold separately.

## TYPES YA-2NU, YA-4NU

### Blank Tongue HYLUG™



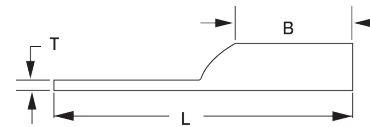
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UL Listed 90° C, Up to 35 kV ♦

The Blank Tongue line of Copper Code HYLUG™ terminals are designed to provide maximum field flexibility. Scored lines prevent the drill from walking when trying to drill in this area. This innovative design allows the installer to customize the tongue drilling to fit their specific application while maintaining UL Listing and CSA Certification.

### Features & Benefits

- Manufactured from seamless high conductivity electrolytic copper tubing with heavy duty wall thickness
- Internally beveled barrel end
- Proper compression systems form a highly efficient electrical connection
- Dimples located at each end of the scored line represent the location of the NEMA standard hole spacing
- Scored line locates the center of the tongue and prevents the drill from walking when trying to drill in this area
- Offered in a wide range of code conductor sizes



Catalog Number	Conductor			Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length	
	AWG	*** MM²	Min. Bolt Hole**		B	T	L	Dieless	Mechanical	Hydraulic		Color Code		Die Index
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y750, Y46*, PAT750			
YA8C2NU	#8 AWG #6 Sol #8 Sol #8 Weld 37/24	—	#10	0.83	0.81	0.12	4.08	Y1MRTC (2) Y122CMR (2) MY29-11 (1) MY29-3 (1)	W8CRT (1) W8CVT (1) X8CRT (2)	W8CRT (1)	U8CRT (1) U8CRT (1)	Red	49	7/8
YA6C2NU	#6 AWG Sol/Str.	—	#10	0.83	1.12	0.12	4.40	Y1MRTC (2) Y122CMR (2) MY29-11 (1) MY29-3 (1) MRC840 (2) Y81KFT (1) Y81KFTBMH (1) PAT81KFT-18V (1)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	W5CVT (2) W5CRT (2) X5CRT (2) X8CART (2)	U5CRT (2) U8CABT (2)	Blue	7 or 374	1-3/16
YA5C2NU	#5 AWG	16	—	0.83	1.12	0.12	4.43	MY29-3 (2) MY29-1 (2) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTBMH (1) PAT81KFT-18V (1)	W5CRT (2) W5CVT (2) X5CRT (2)	X5CRT (2) X5CVT (2) W5CRT (2)	U5CRT (2)	Blue	7	1-3/16
YA4C2NU	#4 AWG	—	#10	0.83	1.12	0.12	4.45	Y1MRTC (4) Y122CMR (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTBMH (1) PAT81KFT-18V (1)	W4CVT (2) W4CRT (2) X4CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	U4CRT (2) U6CABT (2)	Gray	8 or 346	1-3/16
YA3C2NU	#3 AWG #2 Sol.	25	1/4	0.83	1.25	0.12	4.62	Y1MRTC (4) Y122CMR (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (1) Y81KFTBMH (1) PAT81KFT-18V (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1-5/16

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™

\*\* Minimum bolt hole size must be maintained for UL & CSA

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

‡ Requires Y60BHU HYPRESS™

**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.



TYPES YA-2NU, YA-4NU

Blank Tongue HYLUG™

(Continued)

UL Listed 90° C, Up to 35 kV ♦



C-97

**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.

Catalog Number	Conductor		Min. Bolt Hole**	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length	
	AWG	*** MM <sup>2</sup>			B	T	L	Dieless	Mechanical	Hydraulic		Color Code		Die Index
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y750, Y46*, PAT750			
YA2C2NU	#2 AWG	35	1/4	0.83	1.25	0.12	4.64	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (2) Y81KFTBMH (2) PAT81KFT-18V (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	Brown	10	1-5/16
YA1C2NU	#1 AWG	50	1/4	0.83	1.38	0.12	4.82	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (2) Y81KFTBMH (2) PAT81KFT-18V (2)	W1CVT (2) W1CRT-1 (2) X1CRT-1 (2)	W1CVT (2) W1CRT-1 (2) X1CRT-1 (2)	U1CRT-1 (2) U4CABT (2)	Green	11	1-7/16
YA252NU	1/0 AWG	—	1/4	0.83	1.38	0.11	4.81	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (2) Y644HSXT (1) Y81KFT (2) Y81KFTBMH (2) PAT81KFT-18V (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2) U2CABT (2)	Pink	12 or 348	1-7/16
YA262NU	2/0 AWG	70	1/4	0.83	1.50	0.12	4.97	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTBMH (2) PAT81KFT-18V (2)	W26VT (4) W26RT (4) X26RT (4)	W26VT (4) W26RT (4) X26RT (4)	U26RT (2)	Black	13	1-9/16
YA272NU	3/0 AWG	—	1/4	0.91	1.50	0.13	5.01	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTBMH (2) PAT81KFT-18V (2)	W27VT (4) W27RT (4) X27RT (6)	W27VT (4) W27RT (4) X27RT (6)	U27RT (2)	Orange	14	1-9/16
YA282NU	4/0 AWG	—	1/4	1.02	1.62	0.14	5.17	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTBMH (2) PAT81KFT-18V (2)	W28VT (4) W28RT (4) X28RT (6)	W28VT (4) W28RT (4) X28RT (6)	U28RT (2)	Purple	15	1-11/16
YA292NU	250 kcmil	120	1/4	1.11	1.62	0.16	5.21	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTBMH (2) PAT81KFT-18V (2)	W29VT (4) x29RT (8)	W29VT (4) W29RT (4) X29RT (8)	U29RT (2)	Yellow	16	1-11/16
YA302NU	300 kcmil	150	1/4	1.20	2.00	0.16	5.64	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (2) Y81KFTBMH (2) PAT81KFT-18V (2)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4) U28ART (4)	White	17	2-1/16
YA312NU	350 kcmil	185	1/4	1.29	2.00	0.18	5.68	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (3) Y81KFTBMH (3) PAT81KFT-18V (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4) U29ART (4)	Red	18	2-1/16
YA322NU	400 kcmil	—	3/8	1.40	2.12	0.19	5.85	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (4) Y81KFTBMH (4) PAT81KFT-18V (4)	W32VT (4)	W32VT (4) W32RT (4)	U32RT (4) U30ART (4)	Blue	19 or 470	2-3/16
YA342NU	500 kcmil	240	3/8	1.55	2.25	0.22	6.06	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (4) Y81KFTBMH (4) PAT81KFT-18V (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART (4)	Brown	20 or 299	2-5/16
YA362NU	600 kcmil	300	3/8	1.73	2.69	0.26	6.59	Y122CMR (4) Y1MRTC (4) MY29-3 (2) MY29-11 (2) MRC840 (4) Y644HSXT (1) Y81KFT (4) Y81KFTBMH (4) PAT81KFT-18V (4)	—	—	U36RT (4) U32ART (4)	Green	22 or 472	2-3/4

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™  
 \*\* Minimum bolt hole size must be maintained for UL & CSA  
 \*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor  
 † Requires Y60BHU HYPRESS™

# Compression Connections

Copper Compression — Code — Long Barrel — Blank Tongue

**BURNDY®**

## TYPES YA-2NU, YA-4NU

### Blank Tongue HYLUG™

(Continued)

UL Listed 90° C, Up to 35 kV ♦



**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	Conductor		Min. Bolt Hole**	Tongue Width	Figure Dimensions			Installation Tooling (# of crimps)					Wire Strip Length	
	AWG	*** MM <sup>2</sup>			B	T	L	Dieless	Mechanical	Hydraulic		Color Code		Die Index
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y750, Y46*, PAT750			
YA392NU	750 kcmil	375	3/8	1.91	2.88	0.27	6.87	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	—	—	U39RT (4) P39RT (4)	Black	24	2-15/16
YA402NU	800 kcmil	400	3/8	1.98	2.94	0.30	6.95		—	—	P40RT (4)	Orange	25	3
YA442NU	1000 kcmil	500	3/8	2.18	3.00	0.32	7.14		—	—	P44RT (4)	White	27	3-1/16
YA452NU	1250 kcmil	—	3/8	2.46	3.19	0.38	7.44	—	—	—	P45RT (6)	Yellow	29	3-1/4
YA462NU	1500 kcmil	800	3/8	2.69	3.19	0.40	7.55	—	—	—	P46RT (6)	Green	31	3-1/4
YA472NU	1750 kcmil	—	3/8	2.90	3.44	0.42	7.89	—	—	—	—	Gray	33	3-1/2
YA482NU	2000 kcmil	1000	3/8	3.10	3.44	0.46	7.98	—	—	—	—	Brown	34	3-1/2
YA444NU	1000 kcmil	500	3/8	3.00	3.00	0.23	7.14	—	—	—	P44RT	White	27	3-1/16
YA454NU	1250 kcmil	—	3/8	3.00	3.19	0.30	7.44	—	—	—	P45RT	Yellow	29	3-1/4
YA464NU	1500 kcmil	800	3/8	3.00	3.19	0.34	7.55	—	—	—	P46RT	Green	31	3-1/4

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™

\*\* Minimum bolt hole size must be maintained for UL & CSA

\*\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for Class 2 conductor

‡ Requires Y60BHU HYPRESS™

TYPE YAS-L-2TC-FX, 60

TWO HOLE HYLUG™ -  
DOUBLE BARREL

COPPER COMPRESSION  
TERMINAL



C-99

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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

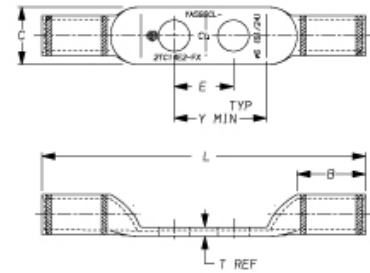


Fig. 1

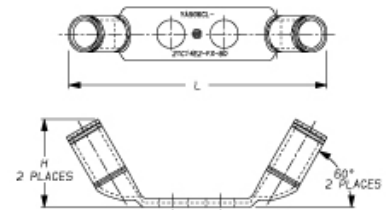


Fig. 2

Catalog Number	Conductor			Bolt Size	Fig. No.	Dimensions						Installation Tooling				Wire Strip Length		
	Flex	AWG	** MM²			B	C	E	H	L	T Ref.	Y Min.	Die Index	Color Code	Mechanical		Hydraulic	
															MD7-34 MD6 OUR840		Y1MRTC	Y750, Y35, Y39, Y46*
YASG6CL-2TC14E2-FX	#6 AWG G,H,I,K,M DLO (61/24)	#6 AWG	16	1/4"	1	0.50	0.48	0.75	—	3.0 (78)	0.08 (2)	1.14 (29)	7	Blue	W5CVT (1) W5CRT (1)	Y1MRTC (1)	U5CRT (1)	9/16"
YASV6CL-2TC14E2-FX**	#6 AWG G,H,I,K,M DLO (61/24)	#6 AWG	16	1/4"	1	0.50	0.48	0.75	—	3.0 (78)	0.08 (2)	1.14 (29)	7	Blue	W5CVT (1) W5CRT (1)	Y1MRTC (1)	U5CRT (1)	9/16"
YASV6CL-2TC14E2-FX-60**					2				0.73	2.9 (75)								

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™.

\*\* Type YASV series have inspection hole.  
\*\*\* The MM² conductor sizes listed are the recommendations for Class 2 and Class 5 conductor.

Note: All dimensions shown are for reference only.

# Compression Connections

Copper Compression — Slotted — Standard Barrel — Code/Flex

**BURNDY®**

## TWO HOLE SLOTTED HYLUG™ STANDARD BARREL

### TYPES YA-L2TC-SL AND YAV-L2TC-FXSL

#### COPPER COMPRESSION TERMINAL

C-100



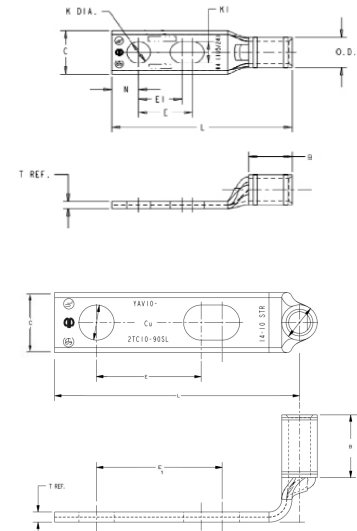
UL Listed 90° C, Up to 35 kV

Compression Slotted Lugs connect copper or tinned copper conductors to bus bars, CPI Racks, Cabinets or Cable Runway. Slotted and 90° Slotted lugs have one round and one oblong hole to match hole spacing on equipment mounting rails on CPI Racks and Cabinets and on some bus bars.

#### Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- One hole with slotted 2nd hole tongue/tang offers additional flexibility over a 2-hole tongue/tang as the slot provides the installer with multiple mounting hole alignment options. The 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

**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.



Catalog Number	Cond. Size	Stud Hole Size	Tongue Width	Figure Dimensions					Installation Tooling (# of crimps)				Wire Strip Length		
				(B)	(T)	(L)	(E)	(E1)	Dieless	Mech.				Color Code	Die Index
										MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y750, Y46, PAT750			
YA6CL2TC14E2SL	#6 AWG G,H,I,K,M DLO (61/24)	1/4	0.45	0.81	0.08	2.47	0.62	0.75	MY29-3 (1) MY29-11 (1) Y / PAT644 (1)	W5CRT (1) W5CVT (1) X5CRT (1) X8CART (1)	W5CRT (1) W5CVT (1)	U5CRT (1) U8CABT (1)	Blue	7 or 374	7/8
YAV6CL2TC10FX90SL*	#6 AWG	#10	0.48	0.50	0.08	1.54	0.62	0.75	MY29-3 (1) MY29-11 (1) Y / PAT644 (1)	W5CRT (1) W5CVT (1) X5CRT (1) X8CART (1)	W5CRT (1) W5CVT (1)	U5CRT (1) U8CABT (1)	Blue	7 or 374	7/8
YAV4CL2TC14FXSL	#4 AWG G,H,I,K,M DLO (105/24)	1/4	0.55	0.50	0.09	2.08	0.50	0.62	MY29-11 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W4CRT (1) W4CVT (1) X4CRT (1)	W4CRT (1) W4CVT (1) X4CRT (1)	U4CRT (1)	Gray	8	9/16
YAV4CL2TC38FXSL	#4 AWG	3/8	0.58	0.50	0.08	2.68	0.75	1.00		W2CRT (1) W2CVT (1) X2CRT (1)	W2CRT (1) W2CVT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAV2CL2TC14FXSL	#2 AWG G,H,I,K,M DLO (150/24)	1/4	0.68	0.62	0.10	2.26	0.50	0.62	Y / PAT81KFT (1)	W2CRT (1) W2CVT (1) X2CRT (1)	W2CRT (1) W2CVT (1) X2CRT (1)	U2CRT (1)	Brown	10	11/16
YAV2CL2TC38FXSL	#2 AWG	3/8	0.68	0.62	0.10	2.82	0.75	1.0		—	—	U44XRT (2)	Yellow	L115	1-2/3
YA44L2NNTFXSL	750 kcmil G,H DLO 777 (1925/24)	5/8	1.63	1.65	0.33	5.74	1.58	1.75	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (2)	Yellow	L115	1-2/3

\* Denotes 90° Angle

Note: All dimensions shown are for reference only.

TWO HOLE SLOTTED HYLUG™ LONG BARREL

TYPE YA-2TC-SL

Copper Compression Terminals

UL Listed 90° C, Up to 35 kV

Compression Slotted Lugs connect copper or tinned copper conductors to bus bars, CPI Racks, Cabinets or Cable Runway. Slotted and 90° Slotted lugs have one round and one oblong hole to match hole spacing on equipment mounting rails on CPI Racks and Cabinets and on some bus bars

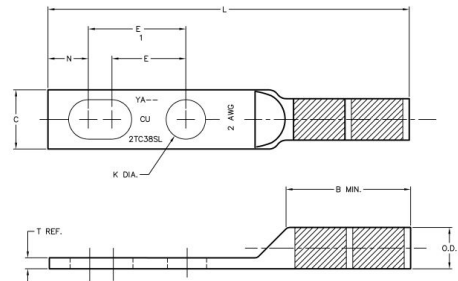


C-101

**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

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- One hole with slotted 2nd hole tongue/tang offers additional flexibility over a 2-hole tongue/tang as the slot provides the installer with multiple mounting hole alignment options. The 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding



Catalog Number	Wire Size	Stud Hole Size	Tongue Width	Figure Dimensions					Dieless	Installation Tooling (# of crimps)			Color Code	Die Index	Wire Strip Length
				(B)	(T)	(L)	(E)	(E1)		Mech.	Hydraulic				
											MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS			
YA6C2TC38SL	6 AWG	3/8	0.58	1.12	0.06	3.22	0.75	1	MY29-3 (1) MY29-11 (1) Y/PAT644 (1)	W5CRT (2) W5CVT (2)	W5CRT (2) W5CVT (2)	U8CABT (2)	Blue	7374	1-3/16
YA6C2TC38SLBOX500		3/8	0.58	1.12	0.06	3.22	0.75	1							
YA3C2TC38SL	3 AWG	3/8	0.58	1.25	0.08	3.43	0.75	1	MY29-3 (1) MY29-11 (1) Y/PAT644 (1) Y/PAT81KFT (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	White	9	1 5/16
YA3C2TC38SLBOX500		3/8	0.58	1.25	0.08	3.43	0.75	1							
YA2C2TC38SL	2 AWG	3/8	0.60	1.25	0.11	3.42	0.75	1	MY29-3 (1) MY29-11 (1) Y/PAT644 (1)	W2CRT (2) W2CVT (2)	W2CRT (2) W2CVT (2)	U2CRT (2)	Brown	10	1-5/16
YA2C2TC38SLBOX500		3/8	0.60	1.25	0.11	3.42	0.75	1							

Note: All dimensions shown are for reference only.

## TWO HOLE SLOTTED HYLUG™ LONG BARREL WITH INSPECTION WINDOW

### TYPE YAZ-2TC-SL

C-102

### COPPER COMPRESSION TERMINAL

UL Listed 90° C, Up to 35 kV

Compression Slotted Lugs connect copper or tinned copper conductors to bus bars, CPI Racks, Cabinets or Cable Runway. Slotted and 90° Slotted lugs have one round and one obround hole to match hole spacing on equipment mounting rails on CPI Racks and Cabinets and on some bus bars.



**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

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug;
- 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
- One hole with slotted 2nd hole tongue/tang offers additional flexibility over a 2-hole tongue/tang as the slot provides the installer with multiple mounting hole alignment options. The 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

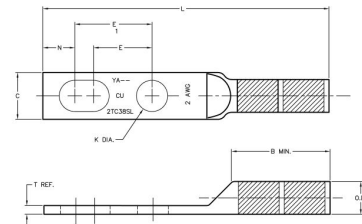


Fig. 1

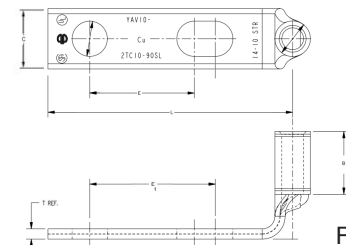


Fig. 2

Catalog Number	Wire Size	Stud Hole Size	Fig.	Tongue Width	Figure Dimensions					Installation Tooling (# of crimps)				Wire Strip Length				
					(B)	(T)	(L)	(E)	(E1)	Dieless	Mech.				Color Code	Die Index		
											MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46, PAT750					
YAZ8C2TC10SL	8 AWG	#10	1	0.41	0.75	0.08	2.21	0.62	0.75	MY29-11 (1)	W8CRT (2)	W8CVT (2)	X8CRT (2)	W8CRT (2)	U8CRT (2)	Red	49	13/16
YAZ8C2TC1090SL		#10		0.41	0.75	0.08	1.50	0.62	0.75									
YAZ3C2TC38SL	3 AWG	3/8	2	0.58	1.25	0.08	3.39	0.75	1	MY29-3 (1) MY29-11 (1) Y / PAT644 (1)	W3CRT (2)	W3CVT (2)	X3CRT (2)	U3CRT (2)	White	9	1-5/16	
YAZ3C2TC38SLBOX500		3/8		0.58	1.25	0.08	3.43	0.75	1									
YAZ2C2TC38SL	2 AWG	3/8	2	0.60	1.25	0.11	3.41	0.75	1	MY29-3 (1) MY29-11 (1) Y / PAT644 (1)	W2CRT (2)	W2CVT (2)	X2CRT (2)	U2CRT (2)	Brown	10	1-5/16	
YAZ2C2TC38SLBOX500		3/8		0.60	1.25	0.11	3.42	0.75	1									

\* Denotes 90° Angle

Note: All dimensions shown are for reference only.

**TWO HOLE SLOTTED HYLUG™ LONG BARREL WITH INSPECTION WINDOW**

**TYPES YAV-2TC-SL AND YAZV-2TC-FXSL**

**COPPER COMPRESSION TERMINAL**

UL Listed 90° C, Up to 35 kV

Compression Slotted Lugs connect copper or tinned copper conductors to bus bars, CPI Racks, Cabinets or Cable Runway. Slotted and 90° Slotted lugs have one round and one oblong hole to match hole spacing on equipment mounting rails on CPI Racks and Cabinets and on most bus bars.

**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- One hole with slotted 2nd hole tongue/tang offers additional flexibility over a 2-hole tongue/tang as the slot provides the installer with multiple mounting hole alignment options. The 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding



C-103



**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.

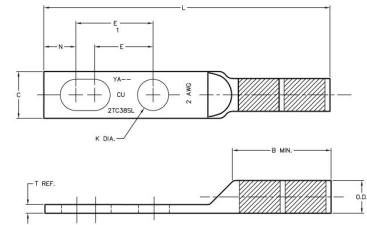


Fig. 1

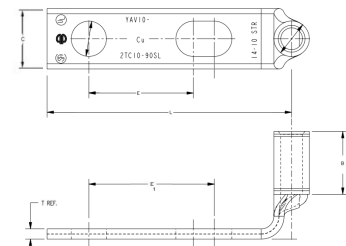


Fig. 2

# Compression Connections

Copper Compression — Slotted — Long Barrel — Flex

**BURNDY®**

## TWO HOLE SLOTTED HYLUG™ LONG BARREL WITH INSPECTION WINDOW

### TYPES YAV-2TC-SL AND YAZV-2TC-FXSL

(Continued)

C-104

UL Listed 90° C, Up to 35 kV



**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.

Catalog Number	Cond. Size	Stud Hole Size	Fig.	Tongue Width	Figure Dimensions					Installation Tooling (# of crimps)					Wire Strip Length		
					(B)	(T)	(L)	(E)	(E1)	Dieless	Mech.		Hydraulic			Color Code	Die Index
											MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y750, Y46, PAT750				
YAZV102TC14SL	14 - 10 AWG	1/4	2	0.41	0.69	0.05	2.28	0.62	0.75	Y8MRB-1	—	—	—	—	—	3/4	
YAV102TC1090SL*		#10	1	0.36	0.38	0.06	1.46	0.63	0.75	(1)	—	—	—	—	—	7/16	
YAZV6C2TC38FXSLBOX500	#6 AWG G,H,I,K,M DLO (61/24)	3/8	1	0.58	1.12	0.08	3.22	0.63	1	MY29-3 (1)	W5CRT (2)	W5CRT (2)	U8CABT (2)	Blue	7 or 374	1-3/16	
YAZV6C2TC38FXSL		3/8	1	0.58	1.12	0.08	3.22	0.63	1	MY29-11 (1)	W5CVT (2)	W5CVT (2)					
YAZV6C2TC14FXSLBOX500		1/4	1	0.58	1.12	0.08	3.22	0.63	1	Y / PAT644 (1)	W5CVT (2)	W5CVT (2)					
YAZV6C2TC14FXSL		1/4	1	0.58	1.12	0.08	3.22	0.63	1								
YAZV6C2TC10FX90SL		#10	1	0.48	0.75	0.08	1.50	0.75	1								
YAZV4C2TC14FXSL	#4 AWG G,H,I,K,M DLO (105/24)	1/4	1	0.55	1.25	0.09	2.95	0.63	1	MY29-3 (1)	W4CRT (2)	W4CRT (2)	U4CRT (2)	Gray	8 or 346	1-5/16	
YAZV4C2TC14FXSLBOX500		1/4	1	0.55	1.25	0.09	2.95	0.63	1	MY29-11 (1)	W4CVT (2)	W4CVT (2)					
YAZV4C2TC38FXSL		3/8	1	0.55	1.25	0.09	2.95	0.63	1	Y / PAT644 (1)	W4CVT (2)	W4CVT (2)					
YAZV4C2TC38FXSLBOX500		3/8	1	0.55	1.25	0.09	2.95	0.63	1	Y / PAT81KFT (1)	X4CRT (2)	X4CRT (2)					
YAZV2C2TC14FXSL		#2 AWG	1/4	1	0.60	1.25	0.11	3.42	0.75	1		W2CRT (2)	W2CRT (2)	U2CRT (2)	Brown		10
YAZV2C2TC14FXSLBOX500	#2 AWG G,H,I,K,M DLO (150/24)	1/4	1	0.60	1.25	0.11	3.42	0.75	1		W2CVT (2)	W2CVT (2)					
YAZV2C2TC38FXSL		3/8	1	0.60	1.25	0.11	3.42	0.75	1								
YAZV2C2TC38FXSLBOX500	#2 AWG	3/8	1	0.60	1.25	0.11	3.42	0.75	1								
YAZV252TC14FXSL	1/0 AWG G,H,I,K,M DLO (275/24)	1/4	1	0.83	1.50	0.12	3.44	0.63	1	MY29-3 (1)	W25RT (4)	W25RT (4)	U25RT (2)	Pink	12	1-9/16	
YAZV252TC14FXSLBOX500		1/4	1	0.83	1.50	0.12	3.44	0.63	1	MY29-11 (1)	W25VT (4)	W25VT (4)					
YAZV252TC38FXSL		3/8	2	0.83	1.50	0.12	3.44	0.63	1	Y / PAT644 (1)	X25RT (4)	X25RT (4)					
YAZV252TC38FXSLBOX500		1/0 AWG	3/8	2	0.83	1.50	0.12	3.44	0.63	1							
YAZV262TC14FXSL		2/0 AWG G,H,I,K,M DLO (325/24)	1/4	1	0.93	1.50	0.13	3.58	0.63	1		W26RT (4)	W26RT (4)	U26RT (2)	Black		13
YAZV262TC14FXSLBOX500	1/4		1	0.93	1.50	0.13	3.58	0.63	1		W26VT (4)	W26VT (4)					
YAZV262TC38FXSL	3/8		1	0.93	1.50	0.13	3.58	0.63	1		X26RT (4)	X26RT (4)					
YAZV262TC38FXSLBOX500	2/0 AWG		3/8	1	0.93	1.50	0.13	3.58	0.63	1							
YAZV282TC14FXSL	4/0 AWG G,H,I,K,M DLO (550/24)	1/4	1	1.14	1.62	0.15	3.64	0.63	1	MY29-3 (1)	W28VT (4)	W28VT (4)	U28RT (2)	Purple	15	1-11/16	
YAZV282TC14FXSLBOX500		1/4	1	1.14	1.62	0.15	3.64	0.63	1	MY29-11 (1)	W28RT (4)	W28RT (4)					
YAZV282TC38FXSL		3/8	1	1.14	1.62	0.15	3.64	0.63	1	Y / PAT644 (1)	X28RT (6)	X28RT (6)					
YAZV282TC38FXSLBOX500		4/0 AWG	3/8	1	1.14	1.62	0.15	3.64	0.63	1							

\* Denotes 90° Angle

Note: All dimensions shown are for reference only.



## HYLUG™ SPLIT TONGUE STANDARD BARREL TERMINALS

TYPES YA-L-4TC, YAV-L-4TC-FX

UL Listed 90° C, Up to 35 kV ♦

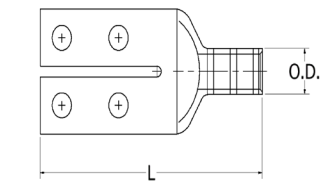
**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



C-105

### Features & Benefits

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Split feature in the tongue/tang is used when connecting two separate terminal blocks for the same phase; the slot provides the needed equipment gap while allowing the proper mounting hole alignment
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding



# Compression Connections

**BURNDY®**

Copper Compression — Split Tongue — Standard Barrel — Code/Flex

## HYLUG™ SPLIT TONGUE STANDARD BARREL TERMINALS



TYPES YA-L-4TC, YAV-L-4TC-FX  
(Continued)

C-106

UL Listed 90° C, Up to 35 kV ♦



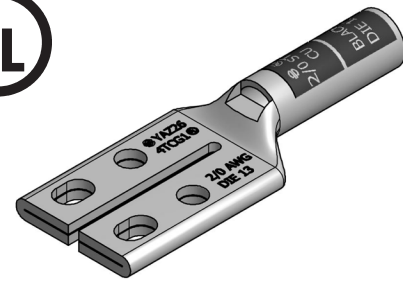
**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Size	Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length	
					(B)	(T)	(L)		Mech.	Hydraulic		Color Code		Die Index
										MD6, OUR840, MD7-34R	BCT500, Y500CT			
YA25L4TCG1	1/0 AWG	1/4	0.62	1.38	0.88	0.11	3.05	MY29-3 (1) MY29-11 (1) Y / PAT644 (1)	X25RT(2) W25RT(2) W25VT(2)	X25RT(2) W25RT(2) W25VT(2)	U25RT(1) U2CABT(1)	Pink	12 or 348	15/16
YA26L4TCG1	2/0 AWG	1/4	0.62	1.38	0.94	0.21	3.15		X26RT(2) W26RT(2) W26VT(2)	X26RT(2) W26RT(2) W26VT(2)	U26RT(1) U26D-1(1)	Black	13	1
YA27L4TCG1	3/0 AWG	1/4	0.62	1.38	1.00	0.21	3.25		X27RT(3) W27RT(2) W27VT(2)	X27RT(3) W27RT(2) W27VT(2)	U27RT(1) U27D-1(1)	Orange	14	1-1/16
YA28L4TCG1	4/0 AWG	1/4	0.62	1.38	1.00	0.21	3.29		X28RT(3) W28RT(2) W28VT(2)	X28RT(3) W28RT(2) W28VT(2)	U28RT(1) U28D-1(1)	Purple	15	1-1/8
YAV28L4TCG1		1/4	0.62	1.38	1.00	0.21	3.29		X28RT(3) W28RT(2) W28VT(2)	X28RT(3) W28RT(2) W28VT(2)	U28RT(1)	Purple	15	11/16
YA29L4TCG1	250 kcmil	1/4	0.62	1.38	1.06	0.21	3.39		X29RT(4) W29RT(2) W29VT(2)	X29RT(4) W29RT(2) W29VT(2)	U29RT(1) U29D—1(1)	Yellow	16	1-1/8
YA31L4TCG1	350 kcmil	1/4	0.62	1.38	1.06	0.21	3.46		W31RT(2) W31VT(2)	W31RT(2) W31VT(2)	U31RT(2) U29ART(2)	Red	18 or 324	1-1/8
<b>FLEX CONDUCTOR</b>														
YAV2CL4TC14FXG1	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	1/4	0.62	1.38	0.62	0.11	2.84	MY29-11(1) Y / PAT644(1)	X2CRT(1) W2CRT(1) W2CVT(1)	X2CRT(1) W2CRT(1) W2CVT(1)	U2CRT(1)	Brown	10	11/16
YAV25L4TC14FXG1	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	1/4	0.75	1.38	0.69	0.21	2.90	MY29-3 (1) MY29-11 (1) Y / PAT644 (1)	X25RT(1) W25RT(1) W25VT(1)	X25RT(1) W25RT(1) W25VT(1)	U25RT(1)	Pink	12	13/16
YAV26L4TC14FXG1	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	1/4	0.75	1.38	0.81	0.21	3.07		X26RT(2) W26RT(2) W26VT(2)	X26RT(2) W26RT(2) W26VT(2)	U26RT(1)	Black	13	1-1/16
YAV27L4TC14FXG1	3/0 AWG G,H,I,K,M DLO (450/24) 3/0 AWG	1/4	0.75	1.38	1.00	0.21	3.30		X27RT(3) W27RT(2) W27VT(2)	X27RT(3) W27RT(2) W27VT(2)	U27RT(1)	Orange	14	1-1/16
YAV28L4TC14FXG1	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	1/4	0.75	1.38	1.00	0.21	3.38		X28RT(3) W28RT(2) W28VT(2)	X28RT(3) W28RT(2) W28VT(2)	U28RT(1)	Purple	15	11/16

**HYLUG™ SPLIT TONGUE LONG BARREL  
TERMINALS WITH INSPECTION WINDOW**

**TYPES YA-4TC, YAV-4TC-FX**

UL Listed 90° C, Up to 35 kV ♦

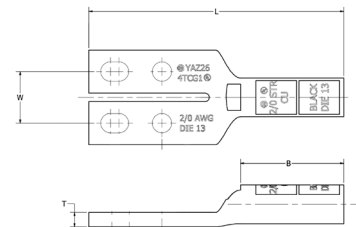


C-107

**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Split feature in the tongue/tang is used when connecting two separate terminal blocks for the same phase; the slot provides the needed equipment gap while allowing the proper mounting hole alignment
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding

**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.



Catalog Number	Wire Size	Stud Hole Size	Stud Hole Spacing	Tongue Width	Figure Dimensions			Dieless (# of crimps)	Installation Tooling			Color Code	Die Index	Wire Strip Length
					(B)	(T)	(L)		Mech.	Hydraulic				
										MD6, OUR840, MD7-34R	BCT500, Y500CT			
YAZ254TCG1	1/0 AWG	1/4	0.62	1.38	1.38	0.11	3.55	MY29-3 (1) MY29-11 (1) Y / PAT644 (1)	X25RT(1)	X25RT(1)	U25RT (2)	Pink	12 or 348	1-7/16
YAZ254TC38E1G1		3/8	1.00	1.63	1.38	0.11	3.93		W25RT(1)	W25RT(1)	U2CABT (2)			
YAZ264TC38E1G1	2/0 AWG	3/8	1.00	1.63	1.50	0.21	4.09		X26RT(2)	X26RT(2)	U26RT (2)	Black	13	1-9/16
YAZ264TCG1		1/4	0.62	1.38	1.50	0.21	3.71		W26RT(2)	W26RT(2)	U26D-1 (2)			
YAZ284TCG1	4/0 AWG	1/4	0.62	1.38	1.62	0.21	3.91		X28RT(3)	X28RT(3)	U28RT(1)	Purple	15	1-11/16
YAZ294TCG1	250 kcmil	1/4	0.62	1.38	1.62	0.21	3.94		X29RT(4)	X29RT(4)	U29RT (2)	Yellow	16	1-11/16
YAZ314TCG1	350 kcmil	1/4	0.62	1.38	2.00	0.21	4.39	W28RT(2)	W28RT(2)	U29D-1 (2)	Red	18 or 324	2-1/16	
								W29RT(2)	W29RT(2)	U31D-1 (2)				
									W31RT(2)	W31RT(2)	U31RT (2)			
									W31VT(2)	W31VT(2)	U29ART (2)			

# Compression Connections

Copper and Aluminum Compression — Narrow Tongue — One and Two Hole

BURNDY®

## E-LINE HYLUG™ EQUIPMENT LINE

### TYPE YA-E

C-108

### COPPER AND ALUMINUM COMPRESSION TERMINAL



UL Listed 90° C, 600 Volts to 35 kV ♦

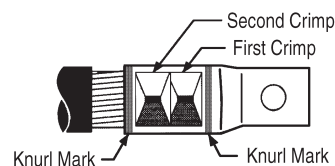
YA-E Equipment terminals are designed to provide replacements for original equipment mechanical or other compression terminals. These narrow tongue terminals are specially designed to fit in tight areas. Whether you're upgrading or replacing, YA-E connectors will provide for any of your cable termination needs. When installed with our dieless tool, these terminals can accommodate a range of conductor sizes.



**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
- Narrow tongue/tang is designed to allow for more parallel terminations of wire in limited space applications
- Terminals are available in Copper or Aluminum material
- Aluminum terminals accommodate both copper and aluminum wire
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire strands during insertion
- One or two-hole tongue/tang styles are available; 2-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
- Connectors are marked with stamping and most are color-coded also



For Two Crimps

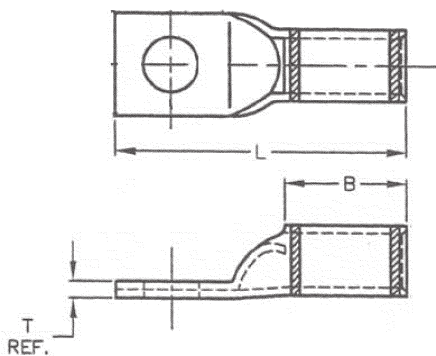


Fig. 1

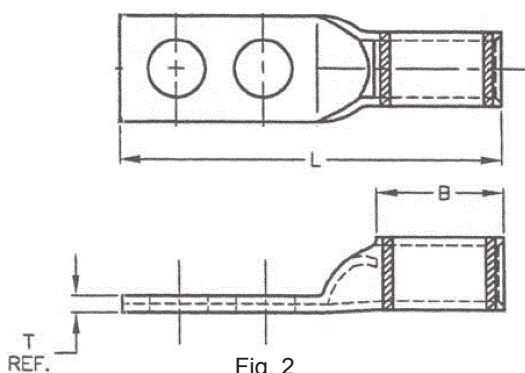


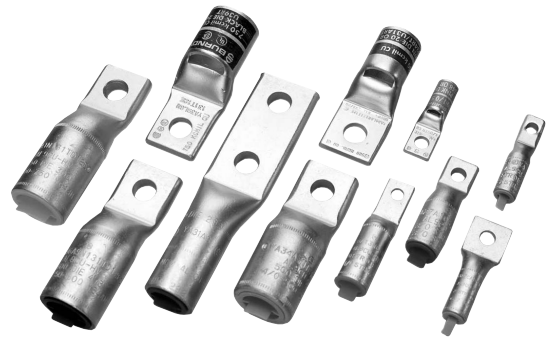
Fig. 2

**E-LINE HYLUG™ EQUIPMENT LINE**

**TYPE YA-E**

**COPPER AND ALUMINUM COMPRESSION TERMINAL**

UL Listed 90° C, 600 Volts to 35 kV ♦  
(Continued)



C-109

**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.

**COPPER E-LINE HYLUG™ COMPRESSION TERMINALS**

Catalog Number	Fig. No.	Conductor Accommodations		Stud Hole Size	Stud Hole Spacing	Tongue Width (max)	Dimensions			Dieless (# of crimps)	Installation Tooling				Wire Strip Length
		Copper Only					B	T	L		Mechanical	Hydraulic	Color Code	Die Index	
		AWG/KCMIL	Expanded Wire Range using Y / PAT644												
YA25LN50T14E	1	1/0 AWG	#6 - 1/0 AWG	1/4	—	0.50	0.88	0.12	1.84	Y / PAT644 (1)	W25RT (2)	U25RT (1)	Pink	12 or 348	15/16
YA25LN64T516E				5/16	—	0.64	0.88	0.12	1.96		W25VT (2)	U2CABT (1)			
YA26LN50T14E	1	2/0 AWG	#4 - 2/0 AWG	1/4	—	0.50	0.94	0.12	1.94	Y / PAT81KFT (1)	W26RT (2) W26VT (2)	U26RT (1)	Black	13	1
YA30L24N100T38E	1	300 kcmil	2/0 AWG - 300 kcmil	3/8	—	1.00	1.03	0.16	2.44	Y / PAT644 (1) Y / PAT81KFT (2)	W30RT (2)	U30RT (2) U28ART (2)	White	17 or 298	1-1/16
YA34L6N131T12E	1	500 kcmil	4/0 AWG - 500 kcmil	1/2	—	1.31	1.27	0.23	3.31		Y / PAT81KFT (2)	—	U34RT (2) U31ART (2) P34RT (2)	Brown	20 or 299
YA34LNN119T12E	2			1/2	1.75	1.19	1.27	0.22	5.06						
YA34LNN131T12E	2			1/2	1.75	1.31	1.27	0.22	5.06						
YA39L6N131T12E	1	750 kcmil	500 - 750 kcmil	1/2	—	1.31	1.42	0.27	3.61	—	—	U39RT (2)	Black	24	1-1/2
YA39LNN131T12E	2			1/2	1.75	1.31	1.42	0.27	5.37						

**ALUMINUM E-LINE HYLUG™ COMPRESSION TERMINALS**

Catalog Number	Fig. No.	Conductor Accommodations		Stud Hole Size	Stud Hole Spacing	Tongue Width (max)	Dimensions			Dieless (# of crimps)	Installation Tooling			Wire Strip Length
		Aluminum	Copper or Aluminum				B	T	L		Hydraulic	Color Code	Die Index	
		AWG/KCMIL	Expanded Wire Range using Y644M											
YA8CA3S56T14E	1	#8 AWG	#8 AWG	1/4	—	0.56	0.62	0.09	1.65	Y / PAT644 (1) Y / PAT81KFT (1)	U8CABT (1)	Blue	374	11/16
YA2CA5S53T14E	1	#2 AWG	#6 - #2 AWG	1/4	—	0.53	1.00	0.22	2.25		U2CABT (1)	Pink	348	1-3/16
YA2CA1S91T516E				5/16	—	0.91	1.12	0.16	2.50					
YA25A1S60T516E	1	1/0 AWG	#1 - 1/0 AWG	5/16	—	0.63	1.00	0.21	2.29		U25ART (1)	Tan	296	1-1/8
YA25A3N69T38E				3/8	—	0.69	1.05	0.21	2.38					

† A variety of BURNDY® installation tools are available and not all tools are listed. If you require additional tooling information, please feel free to call our customer service department for other recommendations.

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™, P-RT die sets for use in Y46 HYPRESS™ only. PUADP-1 adapter not required.

\*\* 900 Compact Aluminum Cable not UL Listed. Tested with Y644HSXT and PAT644XT-18V dieless tools only. **Note:** All dimensions shown are for reference only. Overlap crimps when using U Dies.

# Compression Connections

Copper and Aluminum Compression — Narrow Tongue — One and Two Hole

**BURNDY®**

## E-LINE HYLUG™ EQUIPMENT LINE

TYPE YA-E

C-110

### COPPER AND ALUMINUM COMPRESSION TERMINAL

UL Listed 90° C,  
600 Volts 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.

### ALUMINUM E-LINE HYLUG™ COMPRESSION TERMINALS

Catalog Number	Fig. No.	Conductor Accommodations		Stud Hole Size	Stud Hole Spacing	Tongue Width (max)	Dimensions			Installation Tooling				Wire Strip Length	
		Aluminum	Copper or Aluminum				B	T	L	Dieless (# of crimps)	Hydraulic Y35, Y / PAT750, Y / PAT46, (# of crimps)	Color Code	Die Index		
		AWG/KCMIL	Expanded Wire Range using Y644M												
YA26A13N100T516E	1	2/0 AWG	#1 - 2/0 AWG	5/16	—	1.00	1.11	0.24	2.45	Y / PAT644 (1) Y / PAT81KFT (2)	U26ART (2)	Olive	297	1-3/16	
YA26A6N100T38E				3/8	—	1.00	1.11	0.24	2.53		U27ART (2)	Ruby	467	1-3/16	
YA27A10S76T516E	1	3/0 AWG	#1 - 3/0 AWG	5/16	—	0.76	1.11	0.26	2.58		U28ART (2)	White	298	1-7/16	
YA28A14N100T516E	1	4/0 AWG	1/0 - 4/0 AWG	3/8	—	1.00	1.39	0.30	2.85		U30ART (2)	Blue	470	1-5/8	
YA28A1N100T38E				5/16	—	1.00	1.39	0.30	2.94						
YA30A9N100T516E	1	300 kcmil	2/0 AWG - 300 kcmil	5/16	—	1.00	1.53	0.36	3.12		U31ART (2)	Brown	299	1-7/8	
YA30A6N100T38E				3/8	—	1.00	1.53	0.36	3.20						
YA30A1N131T12E				1/2	—	1.31	1.53	0.35	3.57						
YA31A11N100T516E	1	350 kcmil	3/0 AWG - 350 kcmil	5/16	—	1.00	1.85	0.39	3.51		Y / PAT644 (1) Y / PAT81KFT (2)	U32ART (4)	Green	472	2-5/16
YA31A9N100T38E				3/8	—	1.00	1.85	0.39	3.59						
YA32A8N106T516E	1	400 kcmil	4/0 AWG - 400 kcmil	5/16	—	1.06	2.26	0.43	3.92	Y / PAT644HS (2) Y / PAT81KFT (2)	U34ART (4)	Pink	300	1-11/16	
YA34A8N131T38E	1	500 kcmil	4/0 AWG - 500 kcmil	3/8	—	1.31	1.64	0.35	3.88						
YA34A7N131T12E				1/2	—	1.31	1.64	0.35	3.88						
YA34A3N131T12E				1/2	1.75	1.31	1.64	0.39	5.71						
YA36A9N131TD12E				1/2	—	1.31	1.64	0.39	3.98						
YA36A3N131TD38E				3/8	—	1.31	1.64	0.39	5.32						
YA36A3N131TD12E				1/2	1.75	1.31	1.64	0.39	5.71						
YA39A1N131TD12E				1	750 kcmil	500 - 900 kcmil Aluminum 500 kcmil Copper Only	1/2	—	1.31						1.86
YA39A5N131TD12E	2	1/2	1.75	1.31			1.86	0.31	6.09						

† A variety of BURNDY® installation tools are available and not all tools are listed. If you require additional tooling information, please feel free to call our customer service department for other recommendations.

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™, P-RT die sets for use in Y46 HYPRESS™ only. PUADP-1 adapter not required.

\*\* 900 Compact Aluminum Cable not UL Listed. Tested with Y644HSXT and PAT644XT-18V dieless tools only.  
**Note:** All dimensions shown are for reference only. Overlap crimps when using U Dies.

**ONE HOLE HYLUG™  
CODE CONDUCTOR STANDARD BARREL**

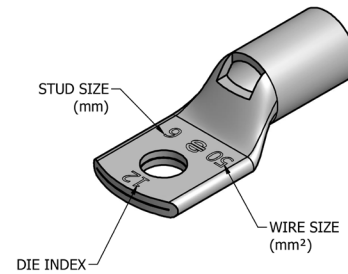
**TYPE YAV-M**

Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro tin plate. Wire range is from 2.5 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.

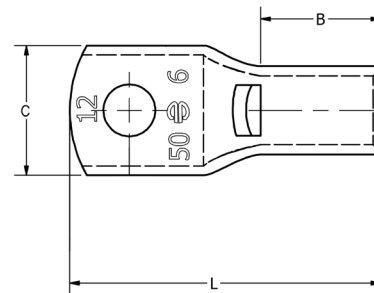
Electro-Tin  
Plated



C-111

**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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



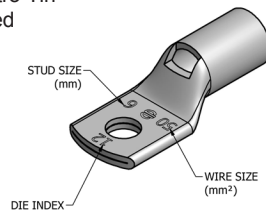
# Compression Connections

**BURNDY®**

Metric Lugs — Copper Compression — Code — Standard Barrel

## ONE HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL

Electro-Tin  
Plated



**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.

C-112

### TYPE YAV-M

Rated for 90° C, Up to 35 kV ◆

(Continued)

Catalog Number	Copper		Stud Size	Dimensions (mm)				Dieless	Installation Tooling			Die Index	Wire Strip Length	
	Wire Range mm² (AWG)	Class		(B)	(C)	(L)	Tongue Thickness		Mechanical	Hydraulic				
YAV025M3	1.5 - 2.5 (20 - 14)	2, 5	M3	6.7	7.9	19.1	1.0	Y10D (1), Y10-22 (1), MR8G98 (1), MR8-9Q (1), Y8MRB-1 (1), MR20 (1)	—	—	—	—	7	
YAV025M4			M4	6.7	7.9	19.1	1.0							
YAV025M5			M5	6.7	7.9	19.1	1.0							
YAV025M6			M6	6.7	10.7	24.2	0.8							
YAV025M8			M8	6.7	11.0	24.2	0.8							
YAV06M35	4 - 6 (12 - 10)	2, 5	M3.5	10.5	7.6	23.7	1.8		Y1MRTC (1), MY29-11 (1), MRC840 (1), Y / PAT81KFT (1)	—	—	—	—	11
YAV06M4			M4	10.4	9.5	23.9	1.5							
YAV06M5			M5	10.4	9.5	23.9	1.5							
YAV06M6			M6	10.4	11.9	26.9	1.3							
YAV06M8			M8	10.4	13.5	28.7	1.0							
YAV06M10	M10	9.5	14.2	31.0	1.0									
YAV10M4	10 (8)	2, 5	M4	11.2	10.4	29.1	2.0	Y1MRTC (1), MY29-11 (1), MRC840 (1), Y / PAT81KFT (1)		W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	49	11
YAV10M5			M5	11.2	10.4	28.5	1.8							
YAV10M6			M6	11.2	1.0	31.0	1.8							
YAV10M8			M8	11.2	13.2	33.0	1.5							
YAV10M10			M10	11.2	14.5	33.0	1.3							
YAV10M12	M12	11.2	18.5	38.6	1.3									
YAV16M4	16 (6)	2, 5	M4	12.7	12.2	31.5	2.3		Y1MRTC (1), MY29-11 (1), MRC840 (1), Y / PAT644 (1), Y / PAT81KFT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	7	13
YAV16M5			M5	12.7	12.2	33.0	2.0							
YAV16M6			M6	12.7	12.2	33.0	2.0							
YAV16M8			M8	12.7	15.2	36.3	1.5							
YAV16M10			M10	12.7	14.7	40.9	1.5							
YAV16M12	M12	12.7	18.8	41.6	1.3									
YAV25M5	25 (4)	2, 5	M5	12.7	14.0	33.5	2.3	Y1MRTC (2), MY29-11 (1), MRC840 (1), Y / PAT644 (1), Y / PAT81KFT (1)		W3CRT (1)	W3CRT (1)	U3CRT (1)	9	13
YAV25M6			M6	12.7	12.7	34.5	2.0							
YAV25M8			M8	12.7	16.0	37.6	2.0							
YAV25M10			M10	12.7	14.7	41.4	2.0							
YAV25M12			M12	12.7	18.5	42.7	1.5							
YAV35M5	35 (2)	2, 5	M5	16.0	17.3	38.1	2.5		MY29-11 (1) MRC840 (2), Y / PAT644 (1), Y / PAT81KFT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	10	17
YAV35M6			M6	11.7	17.3	43.7	2.5							
YAV35M8			M8	11.7	17.3	43.7	2.5							
YAV35M10			M10	11.7	17.3	45.9	2.5							
YAV35M12			M12	11.7	19.6	47.5	2.3							
YAV35M16	M16	11.7	21.1	58.7	3.0									
YAV50M5	50 (2)	2	M5	16.0	17.3	38.1	2.5	MY29-11 (1) MRC840 (2), Y / PAT644 (1), Y / PAT81KFT (1)		W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	12	17
YAV50M6			M6	16.0	17.3	38.1	2.5							
YAV50M8			M8	16.0	17.3	42.9	2.5							
YAV50M10			M10	16.0	17.3	45.9	2.5							
YAV50M12			M12	16.0	18.5	52.3	2.5							
YAV50M14	M14	16.0	21.1	53.3	3.0									
YAV50M16	M16	16.0	25.9	58.7	3.6									

\* 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



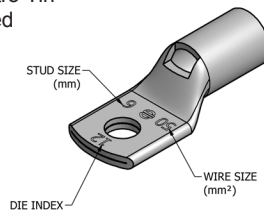
**ONE HOLE HYLUG™  
CODE CONDUCTOR  
STANDARD BARREL**

**TYPE YAV-M**

Rated for 90° C, Up to 35 kV ♦

(Continued)

Electro-Tin  
Plated



**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.

C-113

Catalog Number	Copper		Stud Size	Dimensions (mm)				Dieless	Installation Tooling			Wire Strip Length	
	Wire Range mm² (AWG)	Class		(B)	(C)	(L)	Tongue Thickness		Mechanical	Hydraulic	Die Index		
YAV70M5	70 (1/0)	2	M5	17.5	21.1	41.4	3.0	MY29-11 (1) MRC840 (2), Y / PAT644 (1), Y / PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	13	19
YAV70M6			M6	17.5	21.1	44.5	3.0						
YAV70M8			M8	17.5	21.1	46.0	3.0						
YAV70M10			M10	17.5	21.1	49.3	3.0						
YAV70M12			M12	17.5	21.1	55.6	3.0						
YAV70M14			M14	17.5	22.4	56.6	2.8						
YAV70M16	M16	17.5	22.4	62.0	2.8								
YAV95M6	95 (2/0)	2	M6	20.6	23.6	45.8	3.3	MY29-11 (1), MRC840 (2), Y / PAT644 (1), Y / PAT81KFT (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	14	22
YAV95M8			M8	20.6	23.6	50.3	3.3						
YAV95M10			M10	20.6	23.6	53.6	3.3						
YAV95M12			M12	20.6	23.6	59.9	3.3						
YAV95M14			M14	20.6	23.6	61.0	3.3						
YAV95M16			M16	20.6	23.6	66.3	3.3						
YAV95M20	M20	20.6	30.5	77.4	4.1								
YAV120M6	120 (4/0)	2	M6	26.2	29.0	53.6	3.8	Y / PAT644 (1), Y / PAT81KFT (2)	W28VT (2) W28RT (2) X28RT (2)	W28VT (2) W28RT (2) X28RT (2)	U28RT (1)	15	27
YAV120M8			M8	26.2	29.0	58.2	3.8						
YAV120M10			M10	26.2	29.0	61.5	3.8						
YAV120M12			M12	26.2	29.0	67.8	3.8						
YAV120M14			M14	26.2	29.0	68.8	3.8						
YAV120M16			M16	26.2	29.0	74.2	3.8						
YAV120M20	M20	26.2	29.0	85.2	3.8								
YAV150M8	150 (300)	2	M8	26.2	30.5	58.7	4.1	Y / PAT644 (1), Y / PAT81KFT (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	17	27
YAV150M10			M10	26.2	30.5	62.0	4.1						
YAV150M12			M12	26.2	30.5	68.3	4.1						
YAV150M14			M14	26.2	30.5	69.2	4.1						
YAV150M16			M16	26.2	30.5	74.7	4.1						
YAV150M20			M20	26.2	30.5	85.7	4.1						
YAV185M8	185 (350)	2	M8	26.9	32.8	60.2	4.6	Y / PAT644 (1), Y / PAT81KFT (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	18	29
YAV185M10			M10	26.9	32.8	63.5	4.3						
YAV185M12			M12	26.9	32.8	69.9	4.3						
YAV185M14			M14	26.9	32.8	70.8	4.6						
YAV185M16			M16	26.9	32.8	76.2	4.6						
YAV185M20			M20	26.9	32.8	87.3	4.6						
YAV240M10	240 (500)	2	M10	32.3	39.4	72.9	5.8	Y / PAT644 (1), Y / PAT81KFT (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2)	20	33
YAV240M12			M12	32.3	39.4	80.2	5.6						
YAV240M14			M14	32.3	39.4	81.3	5.8						
YAV240M16			M16	32.3	39.4	85.6	5.8						
YAV240M20			M20	32.3	39.4	96.6	5.8						
YAV300M10	300 (600)	2	M10	35.1	44.2	77.2	6.9	Y / PAT644 (1), Y / PAT81KFT (2)	—	—	U36RT (2)	22	35
YAV300M12			M12	35.1	44.2	83.6	6.6						
YAV300M14			M14	35.1	44.2	84.6	6.9						
YAV300M16			M16	35.1	44.2	89.9	6.9						
YAV300M20			M20	35.1	44.2	100.9	6.9						

\* 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

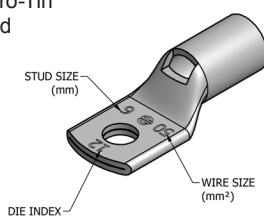
# Compression Connections

**BURNDY®**

Metric Lugs — Copper Compression — Code — Standard Barrel

## ONE HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL

Electro-Tin  
Plated



**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.

C-114

### TYPE YAV-M

Rated for 90° C, Up to 35 kV ♦

(Continued)

Catalog Number	Copper		Stud Size	Dimensions (mm)				Installation Tooling				Wire Strip Length	
	Wire Range mm² (AWG)	Class		(B)	(C)	(L)	Tongue Thickness	Dieless	Mechanical		Hydraulic		Die Index
									MD6, OUR840, MD7-34R	BCT500, Y500CT	Y35, Y39, Y/PAT750, Y/PAT46**		
YAV400M12	400 (800)	2	M12	36.1	50.3	87.1	7.6	Y / PAT644 (1), Y / PAT81KFT (3)	—	—	U39RT (3)	24	37
YAV400M14			M14	36.1	50.3	88.1	7.6						
YAV400M16			M16	36.1	50.3	93.5	7.6						
YAV400M20			M20	36.1	50.3	104.5	7.6						
YAV500M12	500 (1000)	2	M12	41.9	55.6	96.2	8.1	—	—	U44XRT (3) •P44XRT (3)	L115	43	
YAV500M16			M16	41.9	55.6	102.6	8.4						
YAV500M20			M20	41.9	55.6	113.7	8.4						
YAV630M12	630 (1250)	2	M12	50.8	62.5	107.7	9.7	—	—	P45RT (3)	29	55	
YAV630M16			M16	50.8	62.5	114.0	9.7						
YAV630M20			M20	50.8	62.5	125.2	9.7						

\* 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 dies for Y / PAT46 Tooling only

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

**TYPE YALB-M**

Rated for 90° C, Up to 35 kV ♦

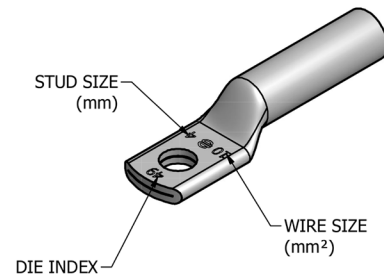
Made from electrolytic copper tube and is electro tin plate. Wire range is from 10 mm<sup>2</sup> to 630 mm<sup>2</sup> Class 2. Compatible to IEC61238-1.

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.

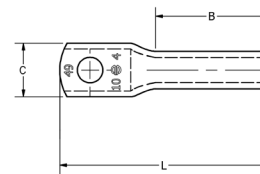
**Features & Benefits**

- 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
- 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

Electro-Tin  
Plated



C-115



# Compression Connections

**BURNDY®**

Metric Lugs — Copper Compression — Code — Long Barrel

## ONE HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

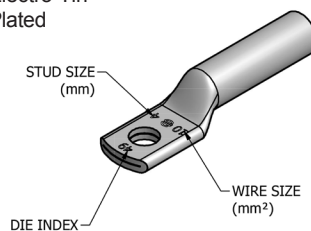
### TYPE YALB-M

Rated for 90° C, Up to 35 kV ♦

(Continued)

C-116

Electro-Tin  
Plated



**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.

Catalog Number	Wire Range (MM²)	Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)	Dieless	Mechanical		Hydraulic Y35, Y39, Y/PAT750, Y/PAT46 †	Die Index	
								MD6, OUR840, MD7-34R	BCT500, Y500CT			
YALB10M4	10	M4	2.3	20.6	9.7	38.1	Y1MRTC (2) MY29-11 (1) MRC840 (2) Y/PAT81KFT (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	49	22
YALB10M5		M5	2	20.6	10.4	39.9						
YALB10M6		M6	2	20.6	11.2	42.9						
YALB10M8		M8	1.5	20.6	13.2	44.5						
YALB10M10		M10	1.5	20.6	14.7	47.8						
YALB10M12		M12	3	20.6	21.1	58.9						
YALB16M4	16	M4	2	28.4	11.4	47.2	Y1MRTC (2) MY29-11 (2) MRC840 (2) Y/PAT644 (1) Y/PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	7	30
YALB16M5		M5	2	28.4	11.4	48.8						
YALB16M6		M6	2	28.4	12.2	51.8						
YALB16M8		M8	1.8	28.4	13.2	53.6						
YALB16M10		M10	1.5	28.4	14.7	59.2						
YALB16M12		M12	3	28.4	19.1	63.0						
YALB25M5	25	M5	2.3	31.8	14	53.6	Y1MRTC (4) MY29-11 (2) MRC840 (2) Y/PAT644 (1) Y/PAT81KFT (1)	W3CRT (2)	W3CRT (2)	U3CRT (2)	9	33
YALB25M6		M6	2.3	31.8	14	56.6						
YALB25M8		M8	2.3	31.8	14	58.4						
YALB25M10		M10	2	31.8	14.7	61.5						
YALB25M12		M12	3	31.8	21.1	67.8						
YALB35M5		35	M5	2.5	35.1	17.3						
YALB35M6	M6		2.5	35.1	17.3	60.7						
YALB35M8	M8		2.5	35.1	17.3	62.2						
YALB35M10	M10		2.5	35.1	17.3	65.5						
YALB35M12	M12		3	35.1	21.1	71.9						
YALB50M6	50		M6	2.5	35.1	17.3	60.7	MY29-11 (2) MRC840 (4) Y/PAT644 (1) Y/PAT81KFT (1)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	12
YALB50M8		M8	2.5	35.1	17.3	62.2						
YALB50M10		M10	2.5	35.1	17.3	65.5						
YALB50M12		M12	3	35.1	21.1	71.9						
YALB50M14		M14	3	35.1	21.1	72.9						
YALB50M16		M16	3	35.1	21.1	78.2						
YALB70M6	70	M6	3	38.1	21.1	65.5	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
YALB70M8		M8	3	38.1	21.1	67.3						
YALB70M10		M10	3	38.1	21.1	70.4						
YALB70M12		M12	3	38.1	21.1	76.7						
YALB70M14		M14	3	38.1	21.1	77.7						
YALB70M16		M16	3	38.1	21.1	86.4						
YALB95M8	95	M8	3.3	38.1	23.6	68.6	MY29-11 (2) MRC840 (4) Y/PAT644 (1) Y/PAT81KFT (2)	W27VT (4) W27RT (4) X27RT (4)	W27VT (4) W27RT (4) X27RT (4)	U27RT (2)	14	40
YALB95M10		M10	3.3	38.1	23.6	71.6						
YALB95M12		M12	3.3	38.1	23.6	78						
YALB95M14		M14	3.3	38.1	23.6	79						
YALB95M16		M16	3.3	38.1	23.6	84.3						
YALB95M20		M20	4.1	38.1	30.5	95.5						

\* 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

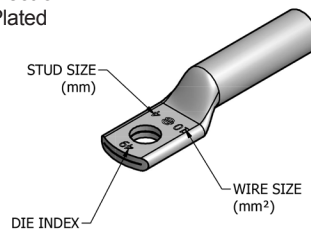
**ONE HOLE HYLUG™**  
**CODE CONDUCTOR LONG BARREL**

**TYPE YALB-M**

Rated for 90° C, Up to 35 kV ♦

(Continued)

Electro-Tin  
Plated



C-117

**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.

Catalog Number	Wire Range (MM²)	Stud Size	Dimensions (mm)				Dieless	Installation Tooling				Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)		Mechanical		Hydraulic Y35, Y39, Y/PAT750, Y/PAT46 †	Die Index	
								MD6, OUR840, MD7-34R	BCT500, Y500CT			
YALB120M8	120	M8	3.6	41.1	29	73.9	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
YALB120M10		M10	3.6	41.1	29	77.2						
YALB120M12		M12	3.6	41.1	29	83.6						
YALB120M14		M14	3.6	41.1	29	84.6						
YALB120M16		M16	3.6	41.1	29	89.9						
YALB120M20		M20	4.3	41.1	30.5	101.1						
YALB150M8	150	M8	4.1	50.8	30.5	84.1	Y / PAT644 (1) Y / PAT81KFT (3)	W30VT (4)	W30VT (4)	U30RT (4)	17	52
YALB150M10		M10	4.1	50.8	30.5	87.4						
YALB150M12		M12	4.1	50.8	30.5	93.7						
YALB150M14		M14	4.1	50.8	30.5	94.7						
YALB150M16		M16	4.1	50.8	30.5	100.1						
YALB150M20		M20	4.1	50.8	30.5	111.3						
YALB185M8	185	M8	4.3	50.8	32.8	85.1	Y / PAT644 (1) Y / PAT81KFT (3)	W31VT (4)	W31VT (4)	U31RT (4)	18	52
YALB185M10		M10	4.3	50.8	32.8	88.4						
YALB185M12		M12	4.3	50.8	32.8	94.7						
YALB185M14		M14	4.3	50.8	32.8	95.3						
YALB185M16		M16	4.3	50.8	32.8	101.1						
YALB185M20		M20	4.3	50.8	32.8	112.3						
YALB240M10	240	M10	5.6	57.2	39.4	98	Y / PAT644 (1) Y / PAT81KFT (4)	W34VT (4)	W34VT (4)	U34RT (4)	20	59
YALB240M12		M12	5.6	57.2	39.4	105.2						
YALB240M14		M14	5.6	57.2	39.4	106.2						
YALB240M16		M16	5.6	57.2	39.4	111.3						
YALB240M20		M20	5.6	57.2	39.4	122.4						
YALB300M10		300	M10	6.6	68.3	44.2						
YALB300M12	M12		6.6	68.3	44.2	118.1						
YALB300M14	M14		6.6	68.3	44.2	119.1						
YALB300M16	M16		6.6	68.3	44.2	124.5						
YALB300M20	M20		6.6	68.3	44.2	135.4						
YALB400M12	400		M12	7.6	74.7	50.3	127	—	—	U39RT (4)	24	76
YALB400M14		M14	7.6	74.7	50.3	128						
YALB400M16		M16	7.6	74.7	50.3	133.4						
YALB400M20		M20	7.6	74.7	50.3	144.3						
YALB500M12	500	M12	8.1	76.2	55.6	132.1	—	—	U44XRT (4) P44XRT (4)	L115	78	
YALB500M16		M16	8.1	76.2	55.6	138.4						
YALB500M20		M20	8.1	76.2	55.6	149.4						
YALB630M12	630	M12	9.7	81	62.5	139.4	—	—	P45RT (6)	29	83	
YALB630M16		M16	9.7	81	62.5	145.8						
YALB630M20		M20	9.7	81	62.5	157						

\* 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

### TWO HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL

C-118

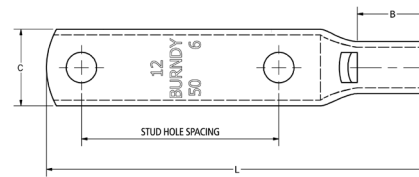
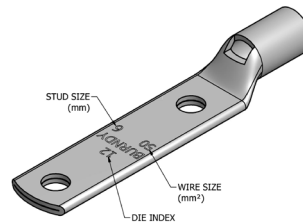
#### TYPE YAV-2M

Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro tin plate. Wire range is from 2.5 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.

Electro-Tin  
Plated



#### Features & Benefits

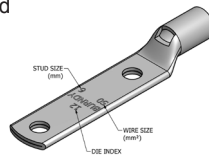
- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug; not recommended in highly corrosive environments as the wire in the barrel is exposed to corrosive elements installed
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Short/Standard length barrel is recommended for installations with limited space requirements and meet the exact UL testing requirements as long barrel connectors so performance of the connection is not compromised
- 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

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

**TYPE YAV-2M**

Rated for 90° C, Up to 35 kV ♦  
(Continued)

Electro-Tin  
Plated



**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.

C-119

Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling				Wire Strip Length (mm)	
				Tongue Width	(B)	(C)	(L)	Dieless	Mech.	Hydraulic			Die Index
									MD6, OUR840, MD7-34R	PAT600, Y500CT	Y35, Y39, Y / PAT750, Y / PAT46 †		
YAV0252M3	2.5	M3	25.4	1	170.2	200.7	44.7	Y10D (1) Y10-22 (1) MR8G98 (1) MR8-9Q (1) Y8MRB-1 (1) MR20 (1)	—	—	—	—	7
YAV0252M4		M4	25.4	1	170.2	200.7	44.7						
YAV0252M5		M5	25.4	1	170.2	200.7	44.7						
YAV0252M6		M6	25.4	0.8	170.2	271.8	49.8						
YAV0252M8		M8	25.4	0.8	170.2	279.4	49.8						
YAV062M4	6	M4	25.4	1.5	264.2	241.3	49.5	Y10D (1) Y10-22 (1) MR8G98 (1) MR8-9Q (1) Y8MRB-1 (1) MR20 (1)	—	—	—	—	11
YAV062M5		M5	25.4	1.5	264.2	241.3	49.5						
YAV062M6		M6	25.4	1.3	264.2	302.3	52.6						
YAV062M8		M8	25.4	1	264.2	342.9	53.3						
YAV062M10		M10	25.4	1	302.3	360.7	54.6						
YAV102M4	10	M4	44.5	0	284.5	264.2	73.4	Y1MRTC (1) MY29-11 (1) MRC840 (1) Y / PAT81KFT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	49	11
YAV102M5		M5	44.5	0	284.5	264.2	74.9						
YAV102M6		M6	44.5	0	284.5	297.2	78.2						
YAV102M8		M8	44.5	0	284.5	335.3	79.8						
YAV102M10		M10	44.5	0	284.5	348	83.1						
YAV102M12		M12	44.5	0	284.5	469.9	89.4						
YAV162M4	16	M4	44.5	2	322.6	309.9	76.2	Y1MRTC (1) MY29-11 (1) MRC840 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	U5CRT (1)	7	13
YAV162M5		M5	44.5	2	322.6	309.9	77.7						
YAV162M6		M6	44.5	2	322.6	309.9	80.8						
YAV162M8		M8	44.5	1.5	322.6	386.1	82.6						
YAV162M10		M10	44.5	1.5	322.6	373.4	85.6						
YAV162M12		M12	44.5	1.3	322.6	477.5	91.9						
YAV252M5	25	M5	44.5	2	322.6	355.6	78.2	Y1MRTC (2) MY29-11 (1) MRC840 (1) Y / PAT644 (1) Y / PAY81KFT (1)	W3CRT (1)	W3CRT (1)	U3CRT (1)	9	13
YAV252M6		M6	44.5	2	322.6	322.6	81.3						
YAV252M8		M8	44.5	2	322.6	406.4	83.1						
YAV252M10		M10	44.5	2	322.6	373.4	86.1						
YAV252M12		M12	44.5	1.5	322.6	469.9	92.5						
YAV352M5	35	M5	44.5	2.5	406.4	439.4	85.9	Y1MRTC (2) MY29-11 (1) MRC840 (1) Y / PAT644 (1) Y / PAT81KFT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	U2CRT (1)	10	17
YAV352M6		M6	44.5	2.5	406.4	439.4	87.6						
YAV352M8		M8	44.5	2.5	406.4	439.4	90.7						
YAV352M10		M10	44.5	2.5	406.4	439.4	90.7						
YAV352M12		M12	44.5	2.5	406.4	439.4	97						
YAV502M6	50	M6	44.5	2.5	406.4	439.4	85.9	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	12	17
YAV502M8		M8	44.5	2.5	406.4	439.4	87.6						
YAV502M10		M10	44.5	2.5	406.4	439.4	90.7						
YAV502M12		M12	44.5	2.5	406.4	469.9	97						
YAV502M14		M14	44.5	3	406.4	535.9	98						
YAV502M16		M16	44.5	3	406.4	657.9	103.4						
YAV702M6	70	M6	44.5	3	444.5	535.9	89.2	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	13	19
YAV702M8		M8	44.5	3	444.5	535.9	90.7						
YAV702M10		M10	44.5	3	444.5	535.9	94						
YAV702M12		M12	44.5	3	444.5	535.9	100.3						
YAV702M14		M14	44.5	2.8	444.5	569	101.3						
YAV702M16		M16	44.5	2.8	444.5	569	106.7						

\* 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.

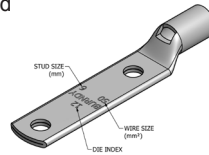
# Compression Connections

**BURNDY®**

Metric Lugs - Copper Compression - Code - Long Barrel

## TWO HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL

Electro-Tin  
Plated



C-120

### TYPE YAV-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.

Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Dieless	Installation Tooling			Die Index	Wire Strip Length (mm)
				Tongue Width	(B)	(C)	(L)		Mech.	Hydraulic			
										MD6, OUR840, MD7-34R	PAT600, Y500CT		
YAV952M8	95	M8	44.5	3.3	523.2	599.4	95	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	14	22
YAV952M10		M10	44.5	3.3	523.2	599.4	98.3						
YAV952M12		M12	44.5	3.3	523.2	599.4	104.6						
YAV952M14		M14	44.5	3.3	523.2	599.4	105.7						
YAV952M16		M16	44.5	3.3	523.2	599.4	111						
YAV952M20		M20	44.5	4.1	523.2	774.7	122.2						
YAV1202M8	120	M8	44.5	3.6	665.5	736.6	102.9	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W28VT (3) W28RT (3) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	15	27
YAV1202M10		M10	44.5	3.6	665.5	736.6	106.2						
YAV1202M12		M12	44.5	3.8	665.5	736.6	112.5						
YAV1202M14		M14	44.5	3.6	665.5	736.6	113.5						
YAV1202M16		M16	44.5	3.6	665.5	736.6	118.9						
YAV1202M20		M20	44.5	4.3	665.5	736.6	130						
YAV1502M8	150	M8	44.5	4.1	665.5	774.7	103.4	Y / PAT644 (1) Y / PAT81KFT (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	17	27
YAV1502M10		M10	44.5	4.1	665.5	774.7	106.7						
YAV1502M12		M12	44.5	4.1	665.5	774.7	113						
YAV1502M14		M14	44.5	4.1	665.5	774.7	114						
YAV1502M16		M16	44.5	4.1	665.5	774.7	119.4						
YAV1502M20		M20	44.5	4.1	665.5	774.7	130.3						
YAV1852M8	185	M8	44.5	4.3	683.3	833.1	104.9	Y / PAT644 (1) Y / PAT81KFT (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	18	29
YAV1852M10		M10	44.5	4.3	683.3	833.1	108.2						
YAV1852M12		M12	44.5	4.3	683.3	833.1	114.6						
YAV1852M14		M14	44.5	4.3	683.3	833.1	115.6						
YAV1852M16		M16	44.5	4.3	683.3	833.1	120.9						
YAV1852M20		M20	44.5	4.3	683.3	833.1	132.1						
YAV2402M10	240	M10	44.5	5.6	820.4	1000.8	117.6	Y / PAT644 (1) Y / PAT81KFT (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2)	20	33
YAV2402M12		M12	44.5	5.6	820.4	1000.8	125						
YAV2402M14		M14	44.5	5.6	820.4	1000.8	125						
YAV2402M16		M16	44.5	5.6	820.4	1000.8	130.3						
YAV2402M20		M20	44.5	5.6	820.4	1000.8	141.2						
YAV3002M10		300	M10	44.5	6.6	175.3	1122.7						
YAV3002M12	M12		44.5	6.6	167.6	1122.7	128.3						
YAV3002M14	M14		44.5	6.6	175.3	1122.7	129						
YAV3002M16	M16		44.5	6.6	175.3	1122.7	134.6						
YAV3002M20	M20		44.5	6.6	175.3	1122.7	145.5						
YAV4002M14	400		M14	44.5	7.6	193	1277.6	132.8	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U39RT (3)	24
YAV4002M16		M16	44.5	7.6	193	1277.6	138.2						
YAV4002M20		M20	44.5	7.6	193	1277.6	149.4						
YAV5002M16	500	M16	44.5	8.1	205.7	1412.2	147.3	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U44XRT (3) † P44XRT (3)	L115	43
YAV5002M20		M20	44.5	8.1	205.7	1412.2	158.5						
YAV6302M16	630	M16	44.5	9.7	246.4	1587.5	158.8	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	† P45RT (3)	29	55
YAV6302M20		M20	44.5	9.7	246.4	1587.5	169.9						

\* 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.



## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

### TYPE YALB-2M

Rated for 90° C, Up to 35 kV ♦

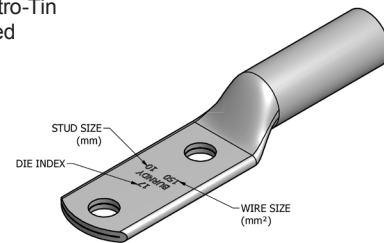
Made from electrolytic copper tube and is electro tin plate. Wire range is from 10 mm<sup>2</sup> to 630 mm<sup>2</sup> Class 2. Compatible to IEC61238-1.

**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.

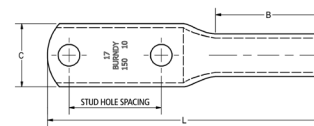
### Features & Benefits

- 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



C-121



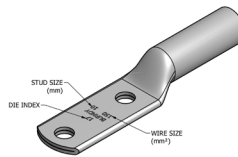
# Compression Connections

**BURNDY®**

Metric Lugs — Copper Compression — Code — Long Barrel

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

Electro-Tin  
Plated



C-122

### 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.

Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					
				Tongue Thickness	(B)	(C)	(L)	Dieless*	Mechanical		Hydraulic	Die Index	Wire Strip Length (mm)
									MD6, OUR840, MD7-34R	PAT600, Y500CTHS	Y35, Y39, Y750, PAT750, Y46**, PAT46**		
YALB102M4	10	M4	44.5	2.3	20.6	9.9	82.6	Y1MRTC (2) MY29-11 (1) MRC840 (2) Y / PAT81KFT (1)	W8CVT (2) W8CRT (2) X8CRT (2)	W8CVT (2) W8CRT (2) X8CRT (2)	U8CRT (2)	49	22
YALB102M5		M5	44.5	2.0	20.6	10.4	84.3						
YALB102M6		M6	44.5	2.0	20.6	11.2	87.4						
YALB102M8		M8	44.5	1.5	20.6	13.2	88.9						
YALB102M10		M10	44.5	1.5	20.6	14.7	92.2						
YALB102M12		M12	44.5	3.0	20.6	21.1	103.4						
YALB162M4	16	M4	44.5	2.3	28.4	11.4	91.7	Y1MRTC (2) MY29-11 (2) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W5CVT (2) W5CRT (2) X5CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	U5CRT (2)	7	30
YALB162M5		M5	44.5	2.3	28.4	11.4	93.2						
YALB162M6		M6	44.5	2.0	28.4	12.2	96.5						
YALB162M8		M8	44.5	1.8	28.4	13.2	98.0						
YALB162M10		M10	44.5	1.5	28.4	14.7	103.6						
YALB162M12		M12	44.5	3.0	28.4	19.1	107.7						
YALB252M5	25	M5	44.5	2.3	31.8	14.0	98.0	W3CRT (2)	W3CRT (2)	U3CRT (2)	9	33	
YALB252M6		M6	44.5	2.3	31.8	14.0	101.1						
YALB252M8		M8	44.5	2.3	31.8	14.0	102.9						
YALB252M10		M10	44.5	2.0	31.8	14.7	105.9						
YALB252M12		M12	44.5	3.0	31.8	21.1	112.5						
YALB352M5	35	M5	44.5	2.5	35.1	17.3	102.1	Y1MRTC (4) MY29-11 (2) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W2CVT (2) W2CRT (2) X2CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	U2CRT (2)	10	37
YALB352M6		M6	44.5	2.5	35.1	17.3	105.2						
YALB352M8		M8	44.5	2.5	35.1	17.3	106.8						
YALB352M10		M10	44.5	2.5	35.1	17.3	110.0						
YALB352M12		M12	44.5	3.0	35.1	21.1	116.4						
YALB502M6	50	M6	44.5	2.5	35.1	17.3	105.2	MY29-11 (2) MRC840 (4) Y / PAT644 (1) Y / PAT81KFT (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	12	37
YALB502M8		M8	44.5	2.5	35.1	17.3	106.7						
YALB502M10		M10	44.5	2.5	35.1	17.3	110.0						
YALB502M12		M12	44.5	3.0	35.1	21.1	116.3						
YALB502M14		M14	44.5	3.0	35.1	21.1	117.3						
YALB502M16		M16	44.5	3.0	35.1	21.1	122.7						

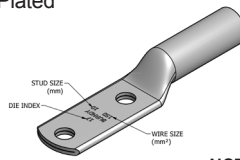
\* Use equivalent AWG setting on tool for installation

\*\* 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

**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.

C-123

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	Y / PAT644 (1) Y / PAT81KFT (3)	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	Y / PAT644 (1) Y / PAT81KFT (3)	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

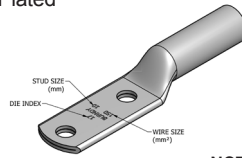
# Compression Connections

**BURNDY®**

Metric Lugs — Copper Compression — Code — Long Barrel

## TWO HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

Electro-Tin  
Plated



C-124

### 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.

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**		
YALB2402M10	240	M10	44.5	5.6	57.2	39.4	142.5	Y / PAT644 (1) Y / PAT81KFT (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4)	20	59
YALB2402M12		M12	44.5	5.6	57.2	39.4	149.6						
YALB2402M14		M14	44.5	5.6	57.2	39.4	150.6						
YALB2402M16		M16	44.5	5.6	57.2	39.4	156.0						
YALB2402M20		M20	44.5	5.6	57.2	39.4	166.9						
YALB3002M10	300	M10	44.5	6.6	68.3	44.2	156.2	Y / PAT644 (1) Y / PAT81KFT (4)			U36RT (4)	22	70
YALB3002M12		M12	44.5	6.6	68.3	44.2	162.6						
YALB3002M14		M14	44.5	6.6	68.3	44.2	163.6						
YALB3002M16		M16	44.5	6.6	68.3	44.2	168.9						
YALB3002M20		M20	44.5	6.6	68.3	44.2	179.6						
YALB4002M12	400	M12	44.5	7.6	74.7	50.3	171.4		—	—	U39RT (4)	24	76
YALB4002M14		M14	44.5	7.6	74.7	50.3	172.5						
YALB4002M16		M16	44.5	7.6	74.7	50.3	177.8						
YALB4002M20		M20	44.5	7.6	74.7	50.3	189.0						
YALB5002M12	500	M12	44.5	8.1	76.2	55.6	176.5				U44XRT (4) †P44XRT (4)	L115	78
YALB5002M16		M16	44.5	8.1	76.2	55.6	182.9						
YALB5002M20		M20	44.5	8.1	76.2	55.6	194.1						
YALB6302M12	630	M12	44.5	9.7	81.0	62.5	183.9				† P45RT (6)	29	83
YALB6302M16		M16	44.5	9.7	81.0	62.5	190.5						
YALB6302M20		M20	44.5	9.7	81.0	62.5	201.4						

\* 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

**ONE HOLE HYLUG™  
FLEX CONDUCTOR STANDARD BARREL**

**TYPE YAV-FM**

Rated for 90° C, Up to 35 kV ♦

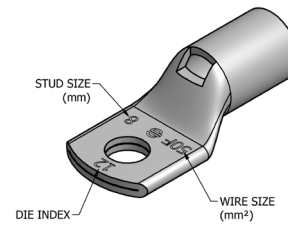
Made from electrolytic copper tube and is electro tin plate. Wire range is from 50 mm<sup>2</sup> to 630 mm<sup>2</sup> for class 5. Compatible to IEC61238-1.

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.

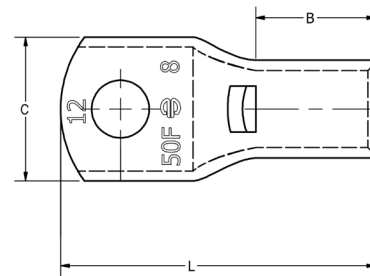
**Features & Benefits**

- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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



C-125



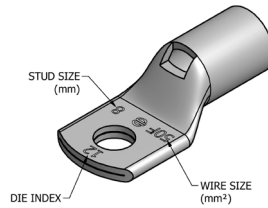
# Compression Connections

**BURNDY®**

Metric Lugs — Copper Compression — Flex — Standard Barrel

## ONE HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL

Electro-Tin  
Plated



C-126

### TYPE YAV-FM

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.

Catalog Number	Wire Range (MM²)	Stud Size	Dimensions (mm)				Installation Tooling					
			Tongue Thickness	(B)	(C)	(L)	Dieless*	Mechanical		Hydraulic	Die Index	Wire Strip Length
								MD6, OUR840, MD7-34R	BCT500HS, Y500CTS			
YAV50FM6	50	M6	3.0	17.5	21.1	46.0	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	12	19
YAV50FM8		M8	3.0	17.5	21.1	46.0						
YAV50FM10		M10	3.0	17.5	21.1	49.3						
YAV50FM12		M12	3.0	17.5	21.1	55.6						
YAV50FM14		M14	3.0	17.5	22.4	56.6						
YAV50FM16		M16	3.0	17.5	22.4	61.9						
YAV70FM6	70	M6	3.3	20.6	23.6	49.0	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	U26RT (1)	13	22
YAV70FM8		M8	3.3	20.6	23.6	50.3						
YAV70FM10		M10	3.3	20.6	23.6	54.0						
YAV70FM12		M12	3.3	20.6	23.6	60.0						
YAV70FM14		M14	3.3	20.6	23.6	61.0						
YAV70FM16		M16	3.3	20.6	23.6	66.3						
YAV95FM8	95	M8	3.6	25.4	26.2	56.0	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	14	27
YAV95FM10		M10	3.6	25.4	26.2	59.0						
YAV95FM12		M12	3.6	25.4	26.2	66.0						
YAV95FM14		M14	3.6	25.4	26.2	66.8						
YAV95FM16		M16	3.6	25.4	26.2	72.1						
YAV95FM20		M20	3.6	25.4	26.2	83.2						
YAV120FM8	120	M8	3.8	26.2	29.0	58.2	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	15	27
YAV120FM10		M10	3.8	26.2	29.0	61.0						
YAV120FM12		M12	3.8	26.2	29.0	68.0						
YAV120FM14		M14	3.8	26.2	29.0	68.8						
YAV120FM16		M16	3.8	26.2	29.0	74.1						
YAV120FM20		M20	3.8	26.2	29.0	85.2						
YAV150FM8	150	M8	4.6	26.9	32.8	60.2	Y / PAT644 (1) Y / PAT81KFT (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	17	29
YAV150FM10		M10	4.6	26.9	32.8	64.0						
YAV150FM12		M12	4.6	26.9	32.8	70.0						
YAV150FM14		M14	4.6	26.9	32.8	70.8						
YAV150FM16		M16	4.6	26.9	32.8	76.0						
YAV150FM20		M20	4.6	26.9	32.8	87.3						

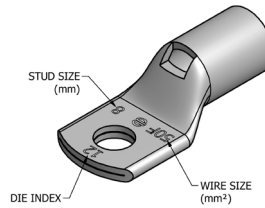
\* Use equivalent AWG setting on tool for installation

\*\* 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

**ONE HOLE HYLUG™  
FLEX CONDUCTOR  
STANDARD BARREL**

Electro-Tin  
Plated



**TYPE YAV-FM**

Rated for 90° C, Up to 35 kV ♦

(Continued)

C-127

**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.

Catalog Number	Wire Range (MM²)	Stud Size	Dimensions (mm)				Installation Tooling					
			Tongue Thickness	(B)	(C)	(L)	Dieless*	Mechanical		Hydraulic	Die Index	Wire Strip Length
								MD6, OUR840, MD7-34R	BCT500HS, Y500CTS	Y35, Y39, Y750, PAT750, Y46**, PAT46**		
YAV185FM8	185	M8	5.0	30.2	35.6	64.8	Y / PAT644 (1) Y / PAT81KFT (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	18	29
YAV185FM10		M10	5.0	30.2	35.6	68.0						
YAV185FM12		M12	5.0	30.2	35.6	74.0						
YAV185FM14		M14	5.0	30.2	35.6	75.4						
YAV185FM16		M16	5.0	30.2	35.6	81.0						
YAV185FM20		M20	5.0	30.2	35.6	91.8						
YAV240FM10	240	M10	5.8	32.3	39.4	72.9	Y / PAT644 (1) Y / PAT81KFT (2)	W34VT (2)	W34VT (2) W34VT (2)	U34RT (2)	20	33
YAV240FM12		M12	5.8	32.3	39.4	79.0						
YAV240FM14		M14	5.8	32.3	39.4	80.2						
YAV240FM16		M16	5.8	32.3	39.4	85.5						
YAV240FM20		M20	5.8	32.3	39.4	96.6						
YAV300FM10		300	M10	6.9	36.8	46.7						
YAV300FM12	M12		6.9	36.8	46.7	87.0						
YAV300FM14	M14		6.9	36.8	46.7	87.5						
YAV300FM16	M16		6.9	36.8	46.7	93.0						
YAV300FM20	M20		6.9	36.8	46.7	104.0						
YAV400FM12	400		M12	7.6	36.1	50.3	87.0	Y / PAT644 (1) Y / PAT81KFT (3)			U39RT (3)	24
YAV400FM14		M14	7.6	36.1	50.3	88.1						
YAV400FM16		M16	7.6	36.1	50.3	93.5						
YAV400FM20		M20	7.6	36.1	50.3	104.5						
YAV500FM12	500	M12	8.4	41.9	55.6	96.0	Y / PAT644 (1) Y / PAT81KFT (3)			U44XRT (3) †P44XRT (3)	L115	43
YAV500FM16		M16	8.4	41.9	55.6	102.6						
YAV500FM20		M20	8.4	41.9	55.6	113.7						
YAV630FM12	630	M12	9.9	50.8	68.3	110.2	—			† P46RT (3)	31	55
YAV630FM16		M16	9.9	50.8	68.3	116.6						
YAV630FM20		M20	9.9	50.8	68.3	127.8						

\* 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

### ONE HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL

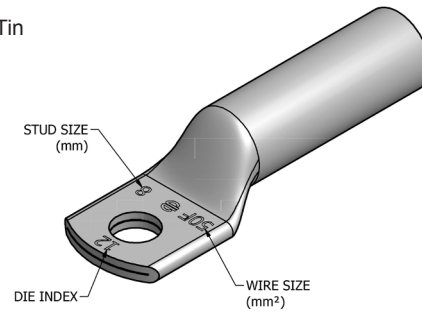
#### TYPE YALB-FM

C-128

Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro tin plate. Wire range is from 50 mm<sup>2</sup> to 630 mm<sup>2</sup> for class 5. Compatible to **IEC61238-1**.

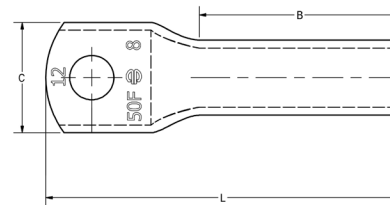
Electro-Tin  
Plated



**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
- 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





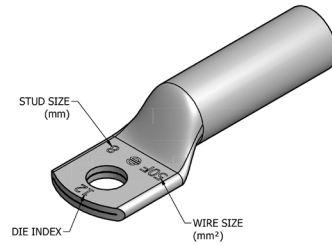
**ONE HOLE HYLUG™ FLEX CONDUCTOR  
LONG BARREL**

Electro-Tin  
Plated

**TYPE YALB-FM**

Rated for 90° C, Up to 35 kV ♦

(Continued)



C-129

**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.

Catalog Number	Wire Range (MM²)	Stud Size	Dimensions (mm)				Installation Tooling					Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)	Dieless*	Mechanical	Mechanical	Hydraulic	Die Index	
								MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750, PAT750, Y46**, PAT46**		
YALB50FM6	50	M6	3.0	38.1	21.1	65.5	MY29-11 (2) MRC840 (4) Y / PAT644 (1) Y / PAT81KFT (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	12	40
YALB50FM8		M8	3.0	38.1	21.1	67.3						
YALB50FM10		M10	3.0	38.1	21.1	70.4						
YALB50FM12		M12	3.0	38.1	21.1	76.7						
YALB50FM14		M14	3.0	38.1	21.1	77.7						
YALB50FM16		M16	3.0	38.1	21.1	86.4						
YALB70FM6	70	M6	3.3	38.1	23.6	66.3	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
YALB70FM8		M8	3.3	38.1	23.6	68.5						
YALB70FM10		M10	3.3	38.1	23.6	71.7						
YALB70FM12		M12	3.3	38.1	23.6	78.0						
YALB70FM14		M14	3.3	38.1	23.6	79.0						
YALB70FM16		M16	3.3	38.1	23.6	84.3						
YALB95FM8	95	M8	3.6	38.1	26.2	68.8	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	43
YALB95FM10		M10	3.6	38.1	26.2	72.1						
YALB95FM12		M12	3.6	38.1	26.2	78.5						
YALB95FM14		M14	3.6	38.1	26.2	79.5						
YALB95FM16		M16	3.6	38.1	26.2	84.8						
YALB95FM20		M20	3.6	38.1	26.2	96.0						
YALB120FM8	120	M8	3.8	41.1	29.0	73.9	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
YALB120FM10		M10	3.8	41.1	29.0	79.5						
YALB120FM12		M12	3.8	41.1	29.0	83.6						
YALB120FM14		M14	3.8	41.1	29.0	84.6						
YALB120FM16		M16	3.8	41.1	29.0	89.9						
YALB120FM20		M20	3.8	41.1	29.0	101.1						
YALB150FM8	150	M8	4.3	50.8	32.8	85.1	Y / PAT644 (1) Y / PAT81KFT (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	17	52
YALB150FM10		M10	4.3	50.8	32.8	88.4						
YALB150FM12		M12	4.3	50.8	32.8	94.7						
YALB150FM14		M14	4.3	50.8	32.8	95.3						
YALB150FM16		M16	4.3	50.8	32.8	101.1						
YALB150FM20		M20	4.3	50.8	32.8	112.3						

\* 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.

# Compression Connections

**BURNDY®**

Metric Lugs - Copper Compression - Flex - Long Barrel

## ONE HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL

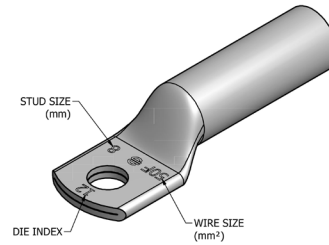
Electro-Tin Plated

### TYPE YALB-FM

Rated for 90° C, Up to 35 kV ♦

(Continued)

C-130



**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.

Catalog Number	Wire Range (MM²)	Stud Size	Dimensions (mm)				Dieless*	Installation Tooling				Wire Strip Length
			Tongue Thickness	(B)	(C)	(L)		Mechanical	Mechanical	Hydraulic	Die Index	
								MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750, PAT750, Y46**, PAT46**		
YALB185FM8	185	M8	4.8	53.8	35.6	88.6	Y / PAT644 (1) Y / PAT81KFT (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	18	52
YALB185FM10		M10	4.8	53.8	35.6	91.7						
YALB185FM12		M12	4.8	53.8	35.6	98.0						
YALB185FM14		M14	4.8	53.8	35.6	99.1						
YALB185FM16		M16	4.8	53.8	35.6	104.4						
YALB185FM20		M20	4.8	53.8	35.6	115.6						
YALB240FM10	240	M10	5.6	57.2	39.4	98.0	Y / PAT644 (1) Y / PAT81KFT (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4)	20	59
YALB240FM12		M12	5.6	57.2	39.4	105.2						
YALB240FM14		M14	5.6	57.2	39.4	106.2						
YALB240FM16		M16	5.6	57.2	39.4	111.5						
YALB240FM20		M20	5.6	57.2	39.4	122.4						
YALB300FM10	300	M10	6.9	71.4	46.7	114.8	Y / PAT644 (1) Y / PAT81KFT (4)			U36RT (4)	22	73
YALB300FM12		M12	6.9	71.4	46.7	121.2						
YALB300FM14		M14	6.9	71.4	46.7	122.2						
YALB300FM16		M16	6.9	71.4	46.7	127.5						
YALB300FM20		M20	6.9	71.4	46.7	138.7						
YALB400FM12	400	M12	7.6	74.7	50.3	127.0	Y / PAT644 (1) Y / PAT81KFT (4)	—	—	U39RT (4)	24	76
YALB400FM14		M14	7.6	74.7	50.3	128.0						
YALB400FM16		M16	7.6	74.7	50.3	133.4						
YALB400FM20		M20	7.6	74.7	50.3	144.5						
YALB500FM12	500	M12	8.1	76.2	55.6	132.1	Y / PAT644 (1) Y / PAT81KFT (4)			U44XRT (4) †P44XRT (4)	L115	78
YALB500FM16		M16	8.1	76.2	55.6	138.4						
YALB500FM20		M20	8.1	76.2	55.6	149.4						
YALB630FM12	630	M12	9.9	81.0	68.3	140.5	—			† P46RT (6)	31	83
YALB630FM16		M16	9.9	81.0	68.3	146.8						
YALB630FM20		M20	9.9	81.0	68.3	158.0						

\* 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.

**TWO HOLE HYLUG™ FLEX CONDUCTOR  
STANDARD BARREL**

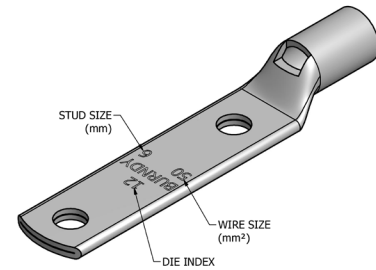
Electro-Tin  
Plated

**TYPE YAV-F2M**

Rated for 90° C, Up to 35 kV ♦

Made from electrolytic copper tube and is electro tin plate. Wire range is from 50 mm<sup>2</sup> to 630 mm<sup>2</sup> for class 5. Compatible to IEC61238-1.

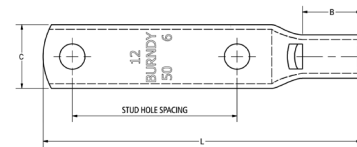
NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



C-131

**Features & Benefits**

- Inspection window allows for visual verification that the wire has been fully inserted prior to crimping the lug
- 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
- Short/Standard length barrel is recommended for installations with limited space requirements
- 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



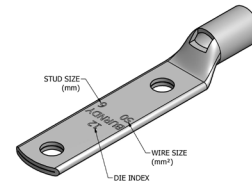
# Compression Connections

Metric Lugs - Copper Compression - Flex - Long Barrel

**BURNDY®**

## TWO HOLE HYLUG™ FLEX CONDUCTOR STANDARD BARREL

Electro-Tin  
Plated



### TYPE YAV-F2M

Rated for 90° C, Up to 35 kV ♦

(Continued)

C-132

**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.

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 Y35, Y39, Y750, PAT750, Y46**, PAT46**	Die Index	
									MD6, OUR840, MD7-34R	PAT600, Y500CTHS			
YAV50F2M6	50	M6	44.5	3.0	17.5	21.1	89.2	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	U25RT (1)	12	19
YAV50F2M8		M8	44.5	3.0	17.5	21.1	90.7						
YAV50F2M10		M10	44.5	3.0	17.5	21.1	94.0						
YAV50F2M12		M12	44.5	3.0	17.5	21.1	100.3						
YAV50F2M14		M14	44.5	3.0	17.5	22.4	101.3						
YAV50F2M16		M16	44.5	3.0	17.5	22.4	106.7						
YAV70F2M6	70	M6	44.5	3.3	20.6	23.6	93.2	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (1)	W26RT (2) W26VT (2) X26RT (2)	W26RT (2) W26VT (2) X26RT (2)	U26RT (1)	13	22
YAV70F2M8		M8	44.5	3.3	20.6	23.6	95.0						
YAV70F2M10		M10	44.5	3.3	20.6	23.6	98.3						
YAV70F2M12		M12	44.5	3.3	20.6	23.6	104.6						
YAV70F2M14		M14	44.5	3.3	20.6	23.6	105.7						
YAV70F2M16		M16	44.5	3.3	20.6	23.6	111.0						
YAV95F2M8	95	M8	44.5	3.6	25.4	26.2	100.8	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W27VT (2) W27RT (2) X27RT (3)	W27VT (2) W27RT (2) X27RT (3)	U27RT (1)	14	27
YAV95F2M10		M10	44.5	3.6	25.4	26.2	104.1						
YAV95F2M12		M12	44.5	3.6	25.4	26.2	110.5						
YAV95F2M14		M14	44.5	3.6	25.4	26.2	111.5						
YAV95F2M16		M16	44.5	3.6	25.4	26.2	116.8						
YAV95F2M20		M20	44.5	3.6	25.4	26.2	128.0						
YAV120F2M8	120	M8	44.5	3.8	26.2	29.0	102.9	MY29-11 (1) MRC840 (2) Y / PAT644 (1) Y / PAT81KFT (2)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	U28RT (1)	15	27
YAV120F2M10		M10	44.5	3.8	26.2	29.0	106.2						
YAV120F2M12		M12	44.5	3.8	26.2	29.0	112.5						
YAV120F2M14		M14	44.5	3.8	26.2	29.0	113.5						
YAV120F2M16		M16	44.5	3.8	26.2	29.0	118.9						
YAV120F2M20		M20	44.5	3.8	26.2	29.0	130.0						
YAV150F2M8	150	M8	44.5	4.6	26.9	32.8	104.9	Y / PAT644 (1) Y / PAT81KFT (2)	W30VT (2)	W30VT (2) W30RT (2)	U30RT (2)	17	29
YAV150F2M10		M10	44.5	4.6	26.9	32.8	108.2						
YAV150F2M12		M12	44.5	4.6	26.9	32.8	114.6						
YAV150F2M14		M14	44.5	4.6	26.9	32.8	115.6						
YAV150F2M16		M16	44.5	4.6	26.9	32.8	120.9						
YAV150F2M20		M20	44.5	4.6	26.9	32.8	132.1						
YAV185F2M8	185	M8	44.5	4.8	30.2	35.6	109.5	Y / PAT644 (1) Y / PAT81KFT (2)	W31VT (2)	W31VT (2) W31RT (2)	U31RT (2)	18	29
YAV185F2M10		M10	44.5	4.8	30.2	35.6	112.8						
YAV185F2M12		M12	44.5	4.8	30.2	35.6	119.1						
YAV185F2M14		M14	44.5	4.8	30.2	35.6	120.1						
YAV185F2M16		M16	44.5	4.8	30.2	35.6	125.5						
YAV185F2M20		M20	44.5	4.8	30.2	35.6	136.7						

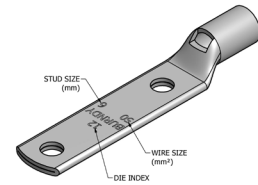
\* Use equivalent AWG setting on tool for installation.

\*\* 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.

**TWO HOLE HYLUG™**  
**FLEX CONDUCTOR STANDARD BARREL**

Electro-Tin  
Plated



**TYPE YAV-F2M**

Rated for 90° C, Up to 35 kV ♦

(Continued)

C-133

**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.

Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					
				Tongue Thickness	(B)	(C)	(L)	Dieless*	Mechanical		Hydraulic Y35, Y39, Y750, PAT750, Y46**, PAT46**	Die Index	Wire Strip Length (mm)
									MD6, OUR840, MD7-34R	PAT600, Y500CTHS			
YAV240F2M10	240	M10	44.5	5.8	32.3	39.4	117.6	Y / PAT644 (1) Y / PAT81KFT (2)	W34VT (2)	W34VT (2) W34RT (2)	U34RT (2)	20	33
YAV240F2M12		M12	44.5	5.8	32.3	39.4	123.9						
YAV240F2M14		M14	44.5	5.8	32.3	39.4	124.9						
YAV240F2M16		M16	44.5	5.8	32.3	39.4	130.3						
YAV240F2M20		M20	44.5	5.8	32.3	39.4	141.3						
YAV300F2M10	300	M10	44.5	6.9	36.8	46.7	124.9	Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U36RT (2)	22	38
YAV300F2M12		M12	44.5	6.9	36.8	46.7	131.3						
YAV300F2M14		M14	44.5	6.9	36.8	46.7	132.2						
YAV300F2M16		M16	44.5	6.9	36.8	46.7	137.7						
YAV300F2M20		M20	44.5	6.9	36.8	46.7	148.7						
YAV400F2M12	400	M12	44.5	7.6	36.1	50.3	131.8	Y / PAT644 (1) Y / PAT81KFT (3)	—	—	U39RT (3)	24	37
YAV400F2M14		M14	44.5	7.6	36.1	50.3	132.8						
YAV400F2M16		M16	44.5	7.6	36.1	50.3	138.2						
YAV400F2M20		M20	44.5	7.6	36.1	50.3	149.2						
YAV500F2M12	500	M12	44.5	8.4	41.9	55.6	140.9	—	—	U44XRT (3) †P44XRT (3)	L115	43	
YAV500F2M16		M16	44.5	8.4	41.9	55.6	147.3						
YAV500F2M20		M20	44.5	8.4	41.9	55.6	158.4						
YAV630F2M12	630	M12	44.5	9.9	50.8	68.3	154.9	—	—	†P46RT (3)	31	55	
YAV630F2M16		M16	44.5	9.9	50.8	68.3	161.3						
YAV630F2M20		M20	44.5	9.9	50.8	68.3	172.4						

\* 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.

## TWO HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL

Electro-Tin  
Plated

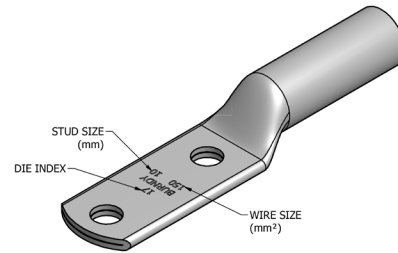
### TYPE YALB-F2M

C-134

Rated for 90° C, Up to 35 kV ◆

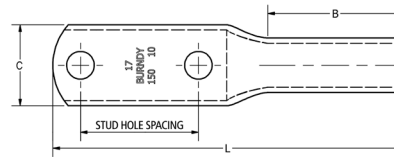
Made from electrolytic copper tube and is electro tin plate. Wire range is from 50 mm<sup>2</sup> to 630 mm<sup>2</sup> for class 5. Compatible to **IEC61238-1**.

**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



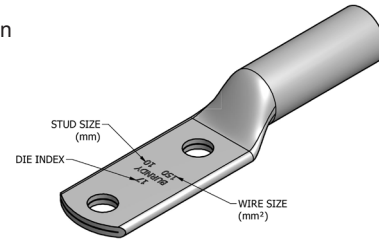
TWO HOLE HYLUG™ FLEX CONDUCTOR  
LONG BARREL

TYPE YALB-F2M

Rated for 90° C, Up to 35 kV ♦

(Continued)

Electro-Tin  
Plated



C-135

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.

Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					Wire Strip Length (mm)
				Tongue Width	(B)	(C)	(L)	Dieless*	Mechanical		Hydraulic	Die Index	
									MD6, OUR840, MD7-34R	PAT600, Y500CTHS			
YALB50F2M6	50	M6	44.5	3.0	38.1	21.1	110.2	MY29-11 (2) MRC840 (4) Y / PAT644 (1) Y / PAT81KFT (2)	W25VT (4) W25RT (4) X25RT (4)	W25VT (4) W25RT (4) X25RT (4)	U25RT (2)	12	40
YALB50F2M8		M8	44.5	3.0	38.1	21.1	112.0						
YALB50F2M10		M10	44.5	3.0	38.1	21.1	115.1						
YALB50F2M12		M12	44.5	3.0	38.1	21.1	121.4						
YALB50F2M14		M14	44.5	3.0	38.1	21.1	122.4						
YALB50F2M16		M16	44.5	3.0	38.1	21.1	131.1						
YALB70F2M6	70	M6	44.5	3.3	38.1	23.6	111.0	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	43
YALB70F2M8		M8	44.5	3.3	38.1	23.6	113.3						
YALB70F2M10		M10	44.5	3.3	38.1	23.6	116.3						
YALB70F2M12		M12	44.5	3.3	38.1	23.6	122.7						
YALB70F2M14		M14	44.5	3.3	38.1	23.6	123.7						
YALB70F2M16		M16	44.5	3.3	38.1	23.6	129.0						
YALB95F2M8	95	M8	44.5	3.6	38.1	26.2	114.3	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	43
YALB95F2M10		M10	44.5	3.6	38.1	26.2	117.6						
YALB95F2M12		M12	44.5	3.6	38.1	26.2	124.0						
YALB95F2M14		M14	44.5	3.6	38.1	26.2	125.0						
YALB95F2M16		M16	44.5	3.6	38.1	26.2	130.3						
YALB95F2M20		M20	44.5	3.6	38.1	26.2	141.2						
YALB120F2M8	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
YALB120F2M10		M10	44.5	3.8	41.1	29.0	124.2						
YALB120F2M12		M12	44.5	3.8	41.1	29.0	128.3						
YALB120F2M14		M14	44.5	3.8	41.1	29.0	129.3						
YALB120F2M16		M16	44.5	3.8	41.1	29.0	134.6						
YALB120F2M20		M20	44.5	4.3	41.1	30.5	145.8						
YALB150F2M8	150	M8	44.5	4.3	50.8	32.8	129.8	Y / PAT644 (1) Y / PAT81KFT (3)	W30VT (4)	W30VT (4) W30RT (4)	U30RT (4)	17	52
YALB150F2M10		M10	44.5	4.3	50.8	32.8	133.1						
YALB150F2M12		M12	44.5	4.3	50.8	32.8	139.4						
YALB150F2M14		M14	44.5	4.3	50.8	32.8	140.0						
YALB150F2M16		M16	44.5	4.3	50.8	32.8	145.8						
YALB150F2M20		M20	44.5	4.3	50.8	32.8	157.0						

\* 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.

# Compression Connections

Metric Lugs — Copper Compression — Flex — Long Barrel

**BURNDY®**

## TWO HOLE HYLUG™ FLEX CONDUCTOR LONG BARREL

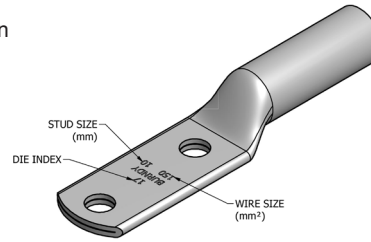
### TYPE YALB-F2M

Rated for 90° C, Up to 35 kV ♦

(Continued)

C-136

Electro-Tin  
Plated



**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.

Catalog Number	Wire Range (MM²)	Stud Size	Stud Hole Spacing	Dimensions (mm)				Installation Tooling					
				Tongue Thickness	(B)	(C)	(L)	Dieless*	Mechanical		Hydraulic Y35, Y39, Y750, PAT750, Y46**, PAT46**	Die Index	Wire Strip Length (mm)
									MD6, OUR840, MD7-34R	PAT600, Y500CTHS			
YALB185F2M8	185	M8	44.5	4.8	53.8	35.6	134.1	Y / PAT644 (1) Y / PAT81KFT (3)	W31VT (4)	W31VT (4) W31RT (4)	U31RT (4)	18	52
YALB185F2M10		M10	44.5	4.8	53.8	35.6	137.4						
YALB185F2M12		M12	44.5	4.8	53.8	35.6	143.8						
YALB185F2M14		M14	44.5	4.8	53.8	35.6	144.8						
YALB185F2M16		M16	44.5	4.8	53.8	35.6	150.1						
YALB185F2M20		M20	44.5	4.8	53.8	35.6	161.3						
YALB240F2M10	240	M10	44.5	5.6	57.2	39.4	142.7	Y / PAT644 (1) Y / PAT81KFT (4)	W34VT (4)	W34VT (4) W34RT (4)	U34RT (4)	20	59
YALB240F2M12		M12	44.5	5.6	57.2	39.4	149.9						
YALB240F2M14		M14	44.5	5.6	57.2	39.4	150.9						
YALB240F2M16		M16	44.5	5.6	57.2	39.4	156.2						
YALB240F2M20		M20	44.5	5.6	57.2	39.4	167.1						
YALB300F2M10	300	M10	44.5	6.9	71.4	46.7	160.8	Y / PAT644 (1) Y / PAT81KFT (4)	—	—	U36RT (4)	22	73
YALB300F2M12		M12	44.5	6.9	71.4	46.7	167.1						
YALB300F2M14		M14	44.5	6.9	71.4	46.7	168.1						
YALB300F2M16		M16	44.5	6.9	71.4	46.7	173.5						
YALB300F2M20		M20	44.5	6.9	71.4	46.7	184.7						
YALB400F2M12	400	M12	44.5	7.6	74.7	50.3	171.7	—	—	U39RT (4)	24	76	
YALB400F2M14		M14	44.5	7.6	74.7	50.3	172.7						
YALB400F2M16		M16	44.5	7.6	74.7	50.3	178.1						
YALB400F2M20		M20	44.5	7.6	74.7	50.3	189.2						
YALB500F2M12	500	M12	44.5	8.1	76.2	55.6	176.8	—	—	U44XRT (4) †P44XRT (4)	L115	78	
YALB500F2M16		M16	44.5	8.1	76.2	55.6	183.1						
YALB500F2M20		M20	44.5	8.1	76.2	55.6	194.1						
YALB630F2M12	630	M12	44.5	9.9	81.0	68.3	186.9	—	—	† P46RT (6)	31	83	
YALB630F2M16		M16	44.5	9.9	81.0	68.3	193.3						
YALB630F2M20		M20	44.5	9.9	81.0	68.3	204.5						

\* 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.



TYPES YE-P, YE-P-FX

HYPLUG™ FOR COPPER CONDUCTOR

Type YE-P copper compression adaptors are designed for reliable termination of **copper** conductor when the current capacity of the conductor is downsized, but larger conductor is utilized. Typical applications are for voltage drop protection when oversized conductors are used or flex conductor is used. These adaptors facilitate the termination into existing mechanical set screw connectors for various stranded copper cables.

Wire Connector Adapter  
Up to 35 kV ♦, 90° C



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

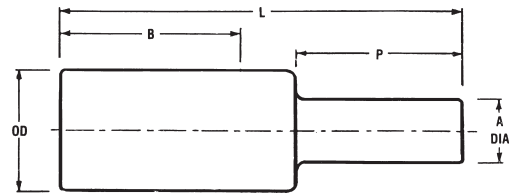


C-137

600 Volts, 90°C EPDM or Santoprene rubber covers supplied with the connector

Features & Benefits

- Connectors are cULus Listed wire adaptors per UL 486A-486B where symbol shown on the page
- The adaptors are used in voltage drop applications
- Designed with a compression barrel that accommodates the wire and a solid pin that is used to insert and terminate in a mechanical set screw connector
- Solid pin design is rated to carry the equivalent ampacity of the incoming wire being terminated; solid pin design is more effective than stranded conductor as there is no risk of damaging strands during termination in the mechanical set screw connector
- Covers are supplied with connectors
  - EPDM rubber covers are UL Listed/CSA Certified and rated up to 600 Volts and 90°C
  - Santoprene rubber covers are also UL Listed/CSA Certified and rated up to 600 Volts and 90°C
- Connectors are clearly marked



# Compression Connections

Copper Compression — Adaptors

**BURNDY®**

## TYPES YE-P, YE-P-FX

### HYPLUG™ FOR COPPER CONDUCTOR

UL Listed 90° C, Up to 35 kV ♦  
(Continued)



WIRE  
CONNECTOR  
ADAPTER



Tinplated

Note: up to 600 Volts, 90°C EPDM or Santoprene rubber covers supplied with the connector

C-138

Catalog Number	Accommodates Copper Wire Sizes			Pin Size Equiv.	Dimensions					Color Code	Die Index	Installation Data								Cable Strip Length
	Flex Cable	Code AWG	Navy		A Dia	B	L	P	OD			Mech Tools (# of Crimps)				Hydraulic Tools (# of Crimps)				
												MY 2911	Y1 / Y2MR	MD734R	MD6 / MD7	Y35 / Y39 / Y750	Y45	Y46	Y60	
YE4CP20X75FX	#4 Str. (91/24-105/24)	#4	40	#4 AWG	0.20	1.37	2.27	0.75	0.38	Gray	8	(2)	W4CVT (2)	W4CRT (2)	U4CRT (2)		(1)	1-1/2		
YE2CP26X75FX	#2 Str. (125/24-150/24)	#2	60	#2 AWG	0.26	1.65	2.60	0.75	0.46	Brown	10		W2CVT (2)	W2CRT (2)	U2CRT (2)			1-3/4		
YE1CP29X75FX	#1 Str. (175/24-225/24)	#1	75	#1 AWG	0.29	1.66	2.63	0.75	0.51	Green	11	(1)	W1CVT (2)	W1CRT1 (2)	U1CRT1 (2)		(1)	1-3/4		
YE25P33X75FX	1/0 Str. (275/24)	1/0	100	1/0 AWG	0.33	1.80	2.80	0.75	0.56	Pink	12		W25VT (4)	W25RT (4)	U25RT (2)			1-7/8		
YE26P37X75FX	2/0 Str. (325/24)	2/0	125	2/0 AWG	0.37	1.82	2.86	0.75	0.63	Black	13	—	W26VT (4)	W26RT (4)	U26RT (2)		(1)	1-7/8		
YE27P41X82FX	3/0 Str. (450/24)	3/0	150	3/0 AWG	0.41	1.97	3.11	0.82	0.70	Orange	14		W27VT (4)	W27RT (4)	U27RT (2)			2-1/16		
YE28P46X92FX	4/0 Str. (550/24)	4/0	200	4/0 AWG	0.46	1.99	3.28	0.92	0.77	Purple	15	—	W28VT (4)	W28RT (4)	U28RT (2)		—	2-1/16		

FLEX CABLE ONLY		AWG	Pin Size	Dimensions					Color Code	Die Index	MY 2911	Y1 / Y2MR	MD734R	MD6 / MD7	Y35 / Y39 / Y750	Y45	Y46	Y60	Y / PAT644	Cable Strip Length
Code	Flex Class			A Dia	B	L	P	OD												
YE30P50X100FX	250 kcmil Flex Class G 259 Class H 427	250	250 kcmil	0.50	2.37	3.75	1.00	0.81	Yellow	16	(1)	—	—	W29VT (4)	W29RT (4)	U29RT (2)		L29RT (1)	2-3/8	
YE31P51X102FX	262.6 kcmil Flex (650/24) 250 Flex Class I, K, M	262.6	262.6 kcmil	0.51	2.39	3.82	1.02	0.88	White	17	—	—	—	W30VT (4)	W30RT (4)	U30RT (4)		L30RT (1)	2-1/2	
YE32P55X110FX	313.1 kcmil (775/24) (300 kcmil Nom)	313.1	300 kcmil	0.55	2.53	4.08	1.10	0.95	Red	18	—	—	—	W31VT (4)	W31RT (4)	U31RT (4)		L31RT (1)	2-5/8	
YE34P59X118FX	373.7 kcmil (925/24) (350 kcmil Nom)	373.7	350 kcmil	0.59	2.68	4.36	1.18	1.06	Blue	19	—	—	—	W32VT (4)	W32RT (4)	U32RT (4)		L32RT (1)	2-3/4	
YE36P67X134FX	444.4 kcmil (1100/24) (450 kcmil Nom)	444.4	450 kcmil	0.67	3.14	5.04	1.34	1.19	Brown	20	—	—	—	—	—	U34RT (4)		L34RT (2)	3-1/4	
YE38P71X142FX	535.3 kcmil (1325/24) (500 kcmil Nom)	535.3	500 kcmil	0.71	3.29	5.30	1.42	1.25	Pink	L99	—	—	—	—	—	U38XRT (4)		—	3-3/8	
YE40P78X156FX	646 kcmil (1600/24) (600 kcmil Nom)	646	600 kcmil	0.78	3.31	5.51	1.56	1.35	Black	24	—	—	—	—	—	U39RT (4)		L39RT (2)	3-7/16	
YE44P87X174FX	777.7 kcmil (1925/24) (750 kcmil Nom)	777.7	750 kcmil	0.87	3.54	5.99	1.74	1.50	Yellow	L115	—	—	—	—	—	U44XRT (4)		—	3-5/8	

CODE CABLE ONLY		AWG	Pin Size	Dimensions					Color Code	Die Index	MY 2911	Y1 / Y2MR	MD734R	MD6 / MD7	Y35 / Y39 / Y750	Y45	Y46	Y60	Y / PAT644	Cable Strip Length
Code	Flex Class			A Dia	B	L	P	OD												
YE29P50X100	250 kcmil	250	250 kcmil	0.50	1.99	3.33	1.00	0.75	Yellow	16	(1)	—	—	W29VT (4)	W29RT (4)	U29RT (2)		—	2-1/2	
YE30P55X110	300 kcmil	300	300 kcmil	0.55	2.37	3.85	1.10	0.81	White	17	—	—	—	W30VT (4)	W30RT (4)	U30RT (4)		L30RT (1)	2-5/8	
YE31P59X118	350 kcmil	350	350 kcmil	0.59	2.39	3.98	1.18	0.88	Red	18	—	—	—	W31VT (4)	W31RT (4)	U31RT (4)		L31RT (1)	2-3/4	
YE32P63X126	400 kcmil	400	400 kcmil	0.63	2.53	4.24	1.26	0.95	Blue	19	—	—	—	W32VT (4)	W32RT (4)	U32RT (4)		L32RT (1)	3-1/4	
YE34P71X142	500 kcmil	—	500 kcmil	0.71	2.68	4.60	1.42	1.06	Brown	20	—	—	—	W34VT (4)	W34RT (4)	U34RT (4)		L34RT (2)	3-3/8	
YE36P78X156	600 kcmil	—	600 kcmil	0.78	3.14	3.78	1.56	1.19	Green	22	—	—	—	—	—	U36RT (4)		L36RT (2)	1-3/4	
YE39P87X174	750 kcmil	—	750 kcmil	0.87	3.37	5.73	1.74	1.30	Black	24	—	—	—	—	—	U39RT (4)	S39RT (4)	P39RT (4)	L39RT (2)	3-5/8

**TYPES YE-P, YE-P-FX**

**HYPLUG™ FOR COPPER CONDUCTOR**

Up to 35 kV ♦  
(Continued)



C-139

Note: up to 600 Volts, 90°C EPDM or Santoprene rubber covers supplied with the connector  
Connectors on this page are NOT cULus Listed

Catalog Number	Accommodates Copper Wire Sizes			Pin Size Equiv.	Dimensions					Installation Data											Cable Strip Length		
	Flex Cable	Code AWG	Navy		A Dia	B	L	P	OD	Color Code	Die Index	Mech Tools (# of Crimps)				Hydraulic Tools (# of Crimps)							
												MY 2911	Y1 / Y2MR	MD734R	MD6 / MD7	Y35 / Y39 / Y750	Y45	Y46	Y60	Y / PAT644			
YE2CP23X75FX	#2 Str. (125/24-150/24)	#2	60	3 AWG	0.23	1.65	2.60	0.75	0.46	Brown	10	(1)	(4)	W2CVT (2)	W2CRT (2)	U2CRT (2)							1-3/4
YE1CP26X75FX	#1 Str. (175/24-225/24)	#1	75	2 AWG	0.26	1.66	2.63	0.75	0.51	Green	11		—	W1CVT (2)	W1CRT1 (2)	U1CRT-1 (2)							1-3/4
YE25P29X75FX	1/0 Str. (275/24)	1/0	100	1 AWG	0.29	1.80	2.80	0.75	0.56	Pink	12		—	W25VT (4)	W25RT (4)	U25RT (2)							1-7/8
YE26P33X75FX	2/0 Str. (325/24)	2/0	125	1/0 AWG	0.33	1.82	2.86	0.75	0.63	Black	13		—	W26VT (4)	W26RT (4)	U26RT (2)						(1)	1-7/8
YE27P37X75FX	3/0 Str. (450/24)	3/0	150	2/0 AWG	0.37	1.97	3.04	0.75	0.70	Orange	14		—	W27VT (4)	W27RT (4)	U27RT (2)							2-1/16
YE28P41X75FX	4/0 Str. (550/24)	4/0	200	3/0 AWG	0.41	1.99	3.11	0.75	0.77	Purple	15		—	W28VT (4)	W28RT (4)	U28RT (2)							2-1/16

FLEX CABLE ONLY																			
Code	AWG	Flex	Class	Pin	A	B	L	P	OD	Color	Die	MY	Y1	MD7	MD6	Hydraulic	Y	Strip	
YE30P46X92FX	250 kcmil	—	—	4/0 AWG	0.46	2.37	3.67	0.92	0.81	Yellow	16	—	—	W29VT (4)	W29RT (4)	U29RT (2)	L29RT (1)		2-3/8
YE32P51X102FX	313.1 kcmil (775/24)(300 kcmil Nom)	—	—	250 kcmil	0.51	2.53	4.00	1.02	0.95	Red	18	—	—	W31VT (8)	W31RT (8)	U31RT (4)	L31RT (1)		2-5/8
YE34P55X110FX	373.7 kcmil (925/24)(350 kcmil Nom)	—	—	300 kcmil	0.55	2.68	4.28	1.10	1.06	Blue	19	—	—	W32VT (8)	W32RT (8)	U32RT (4)	L32RT (1)		2-3/4
YE36P59X118FX	444.4 kcmil (1100/24)(450 kcmil Nom)	—	—	350 kcmil	0.59	3.14	4.88	1.18	1.19	Brown	20	—	—	W34VT (8)	W34RT (8)	U34RT (4)	L34RT (2)	(1)	3-1/4
YE38P67X134FX	535.3 kcmil (1325/24)(500 kcmil Nom)	—	—	450 kcmil	0.67	3.29	5.22	1.34	1.25	Pink	L99	—	—	—	—	U38XRT (4)	—		3-3/8
YE40P71X142FX	646 kcmil (1600/24)(600 kcmil Nom)	—	—	500 kcmil	0.71	3.31	5.37	1.42	1.35	Black	24	—	—	—	—	U39RT (4)	L39RT (2)		3-7/16
YE44P78X156FX	777.7 kcmil (1925/24)(750 kcmil Nom)	—	—	600 kcmil	0.78	3.54	5.81	1.56	1.50	Yellow	L115	—	—	—	—	U44XRT (4)	—		3-5/8

CODE CABLE ONLY																				
Code	AWG	Flex	Class	Pin	A	B	L	P	OD	Color	Die	MY	Y1	MD7	MD6	Hydraulic	Y	Strip		
YE29P46X92	250 kcmil	—	250	4/0 kcmil	0.46	1.99	3.25	0.92	0.75	Yellow	16	(1)	—	W29VT (4)	W29RT (4)	U29RT (2)	—		2-1/2	
YE30P50X100	300 kcmil	—	300	250 kcmil	0.50	2.37	3.75	1.00	0.81	White	17	—	—	W30VT (8)	W30RT (8)	U30RT (4)	L30RT (1)		2-5/8	
YE31P55X110	350 kcmil	—	350	300 kcmil	0.55	2.39	3.90	1.10	0.88	Red	18	—	—	W31VT (8)	W31RT (8)	U31RT (4)	L31RT (1)		2-3/4	
YE32P59X118	400 kcmil	—	400	350 kcmil	0.59	2.53	4.16	1.18	0.95	Blue	19	—	—	W32VT (8)	W32RT (8)	U32RT (4)	L32RT (1)	(1)	3-1/4	
YE34P63X126	500 kcmil	—	—	400 kcmil	0.63	2.68	4.44	1.26	1.06	Brown	20	—	—	W34VT (8)	W34RT (8)	U34RT (4)	L34RT (2)		3-3/8	
YE36P71X142	600 kcmil	—	—	500 kcmil	0.71	3.14	5.11	1.42	1.19	Green	22	—	—	—	—	U36RT (4)	L36RT (2)		3-7/16	
YE39P78X156	750 kcmil	—	—	600 kcmil	0.78	3.37	5.55	1.56	1.30	Black	24	—	—	—	—	U39RT (4)	S39RT (4)	P39RT (4)	L39RT (2)	3-5/8

1. For sizes above 4/0 the MD6-6R2 must be used.  
© See Sales Drawings for Metric Conductor Ratings.

④ To use U Dies in Y46 HYPRESS™, catalog number PUADP-1 die adaptor is required.

Note: All dimensions shown are for reference only.

### TYPES YE-P, YE-P-FX

### HYPLUG™ FOR COPPER CONDUCTOR

Up to 35 kV ♦

(Continued)

C-140



Note: up to 600 Volts, 90°C EPDM or Santoprene rubber covers supplied with the connector  
Connectors on this page are NOT cULus Listed

### REDUCED PIN DIAMETER

Catalog Number	Accommodates Copper Wire Sizes			Pin Size Equiv.	Dimensions					Color Code	Die Index	Installation Data								Cable Strip Length
	Flex Cable	Code AWG	Navy		A Dia	B	L	P	OD			Mech Tools (# of Crimps)				Hydraulic Tools (# of Crimps)				
												MY 2911	Y1 / Y2MR	MD734R	MD6 / MD7	Y35 / Y39 / Y750	Y45	4 Y46	Y60	
YE4CP16X75FX	#4 Str. (91/24-105/24)	#4	40	6 AWG	0.16	1.37	2.27	0.75	0.38	Gray	8	(2)	W4CVT (2)	W4CRT (2)	U4CRT (2)		—	(1)	1-1/2	
YE2CP20X75FX	#2 Str. (125/24-150/24)	#2	60	4 AWG	0.20	1.65	2.60	0.75	0.46	Brown	10		W2CVT (2)	W2CRT (2)	U2CRT (2)		—		1-3/4	
YE1CP23X75FX	#1 Str. (175/24-225/24)	#1	75	3 AWG	0.23	1.66	2.63	0.75	0.51	Green	11	(1)	W1CVT (2)	W1CRT1 (2)	U1CRT-1 (2)		—	(1)	1-3/4	
YE25P26X75FX	1/0 Str. (275/24)	1/0	100	2 AWG	0.26	1.80	2.80	0.75	0.56	Pink	12		W25VT (4)	W25RT (4)	U25RT (2)		—		1-7/8	
YE26P29X75FX	2/0 Str.(325/24)	2/0	125	1 AWG	0.29	1.82	2.86	0.75	0.63	Black	13	—	W26VT (4)	W26RT (4)	U26RT (2)		—	—	1-7/8	
YE27P33X75FX	3/0 Str. (450/24)	3/0	150	1/0 AWG	0.33	1.97	3.04	0.75	0.70	Orange	14	—	W27VT (4)	W27RT (4)	U27RT (2)		—	—	2-1/16	
YE28P37X75FX	4/0 Str. (550/24)	4/0	200	2/0 AWG	0.37	1.99	3.11	0.75	0.77	Purple	15	—	W28VT (4)	W28RT (4)	U28RT (2)		—	—	2-1/16	

FLEX CABLE ONLY		AWG																	
YE31P41X82FX	262.6 kcmil (650/24) 250 Flex Class I, K, M	—	3/0 AWG	0.41	2.39	3.62	0.82	0.88	White	17	—	—	W30VT (8)	W30RT (8)	U30RT (4)		L30RT (1)	(1)	2-1/2
YE34P51X102FX	373.7 kcmil (925/24)(350 kcmil Nom)	—	250 kcmil	0.51	2.68	4.20	1.02	1.06	Blue	19	—	—	W32VT (8)	W32RT (8)	U32RT (4)		L32RT (1)		2-3/4
YE38P59X118FX	535.3 kcmil (1325/24) (500 kcmil Nom)	—	350 kcmil	0.59	3.29	5.06	1.18	1.25	Pink	L99	—	—	—	—	U38XRT (4)		—		3-3/8
YE40P67X134FX	646 kcmil (1600/24)(600 kcmil Nom)	—	450 kcmil	0.67	3.31	5.29	1.34	1.35	Black	24	—	—	—	—	U39RT (4)		L39RT (2)		3-7/16

CODE CABLE ONLY		AWG																		
YE29P31X109	250 kcmil	—	1 AWG	0.31	1.06	2.49	1.09	0.75	Yellow	16	—	—	—	W29RT (4)	U29RT (2)		L29RT (2)	—	1-1/8	
YE29P41X82	250 kcmil	—	3/0 AWG	0.41	1.99	3.15	0.82	0.75	Yellow	16	(1)	—	W29VT (4)	W29RT (4)	U29RT (2)		—	—	2-1/2	
YE30P46X92	300 kcmil	—	4/0 AWG	0.46	2.37	3.67	0.92	0.81	White	17	—	—	W30VT (8)	W30RT (8)	U30RT (4)		L30RT (1)	—	2-5/8	
YE31P50X100	350 kcmil	—	250 kcmil	0.50	2.39	3.80	1.00	0.88	Red	18	—	—	W31VT (8)	W31RT (8)	U31RT (4)		L31RT (1)	—	2-3/4	
YE32P55X110	400 kcmil	—	300 kcmil	0.55	2.53	4.08	1.10	0.95	Blue	19	—	—	W32VT (8)	W32RT (8)	U32RT (4)		L32RT (1)	(1)	3-1/4	
YE34P59X118	500 kcmil	—	350 kcmil	0.59	2.68	4.36	1.18	1.06	Brown	20	—	—	W34VT (8)	W34RT (8)	U34RT (4)		L34RT (2)	—	3-3/8	
YE36P63X126	600 kcmil	—	400 kcmil	0.63	3.14	4.95	1.26	1.19	Green	22	—	—	—	—	U36RT (4)		L36RT (2)	—	3-7/16	
YE39P71X142	750 kcmil	—	500 kcmil	0.71	3.37	5.41	1.42	1.30	Black	24	—	—	—	—	U39RT (4)	S39RT (4)	P39RT (4)	L39RT (2)	—	3-5/8

1. For sizes above 4/0 the MD6-6R2 must be used.  
© See Sales Drawings for Metric Conductor Ratings.

④ To use U Dies in Y46 HYPRESS™, catalog number PUADP-1 die adaptor is required.

Note: All dimensions shown are for reference only.

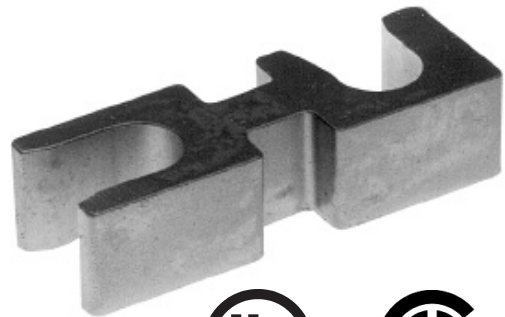
**TYPE ASA-U**

**HYSTACK™ TERMINAL STACKING ADAPTOR**

**FOR ALUMINUM AND COPPER TERMINALS**

UL Listed 90° C, Up to 35 kV

The Hystack™ adaptor is specially designed to allow standard terminals to be stacked on two or four hole NEMA transformer or equipment terminal pads. Hystack™ is tin-plated, high-conductivity aluminum to provide optimum corrosion resistance. Only three sizes accommodate terminals from 250 kcmil through 1000 kcmil to help keep costly inventories to a minimum.

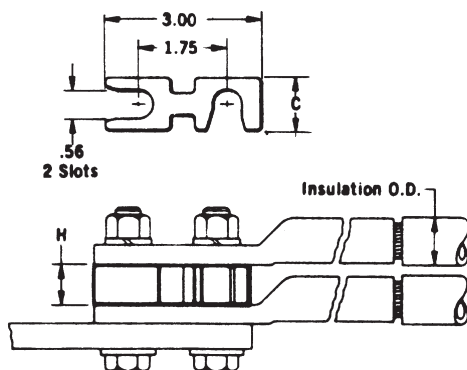


C-141



**Features & Benefits**

- For use on terminals made from copper or aluminum material
- Designed specifically for stacking standard terminals; uses include:
  - Place the stacking adapter on the mounting plate and a terminal on top of the stacking adapter and bolt down
  - Placing a stacking adapter on a terminal pad that will be mounted to a bus bar or mounting plate and a terminal on top of the stacking adapter, and bolt down
- May be used with standard NEMA two and four hole terminals; to stack four hole NEMA terminations use two stacking adapters assembled side-by-side
- Only three sizes accommodate terminals from 250 kcmil through 1000 kcmil minimizing inventory requirements
- Stacking adaptors are clearly marked



Accommodates Copper and Aluminum Compression Terminals		Catalog Number	C	H
Conductor Max.	Insulation O.D.			
250 kcmil	0.87	<b>ASA250U</b>	1.00	0.77
800 kcmil	1.37	<b>ASA800U</b>	1.00	1.13
1000 kcmil	1.49	<b>ASA1000U</b>	1.25	1.25

To stack 4 hole NEMA drilled terminals use 2 adaptors assembled side by side. ASA-U stacking adaptors are recommended for use with any BURNDY® UL Listed compression terminal, 2 or 4 hole NEMA pad aluminum and copper lugs, types YA, YA-L, YA-A, and for all 2-hole NEMA spaced lugs in the OVERHEAD and UNDERGROUND catalog sections.

**Note:** All dimensions shown are for reference only.

## TYPE CUSA

### HYSTACK™

C-142

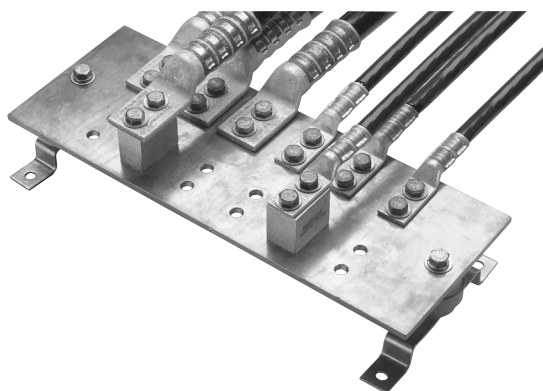
### TERMINAL STACKING ADAPTOR

This Hystack™ adaptor is specially designed to get terminals to the back end of a bus bar or other areas that require terminals to be elevated off the mounting surface. This Hystack™ is made from high conductivity copper and tin-plated to provide optimum corrosion resistance. It will accommodate #10 AWG through 750 kcmil HYLUG™ terminals.



### Features & Benefits

- For use on terminals made from copper or aluminum material
- Designed specifically for stacking standard terminals; uses include:
  - Place the stacking adaptor on the mounting plate and a terminal on top of the stacking adaptor and bolt down
  - Placing a stacking adaptor on a terminal pad that will be mounted to a bus bar or mounting plate and a terminal on top of the stacking adaptor, and bolt down
- May be used with standard NEMA two and four hole terminals; to stack four hole NEMA terminations use two stacking adaptors assembled side-by-side
- Only three sizes accommodate terminals from 250 kcmil through 1000 kcmil minimizing inventory requirements
- Stacking adaptors are clearly marked



Catalog Number	Stud Hole Size	Stud Hole Spacing	Length	Width	Height
CUSA442TC38	3/8"	1"	1.75"	1.12"	1.50"
CUSA442NTC	1/2"	1-3/4"	3.00"	1.12"	1.50"

Note: All dimensions shown are for reference only.

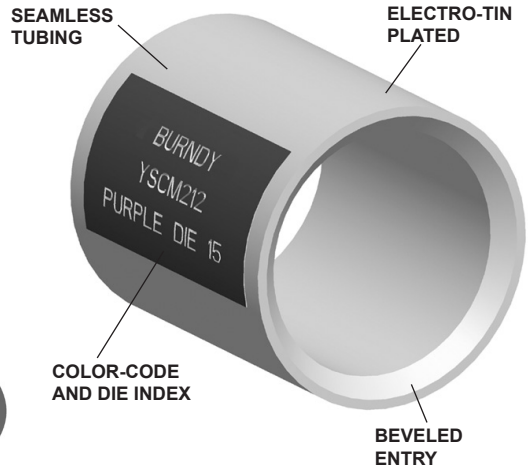
#### Reference: Catalog Number TMH332.

This TMH332 Kit has just the right hardware when using the CUSA442TC38 Hystack on a 1/4" bus bar with a 4/0 through 750 kcmil HYLUG™.

**COLOR-CODED HYLINK™ UNINSULATED PARALLEL SPLICE**

**TYPE YSCM**

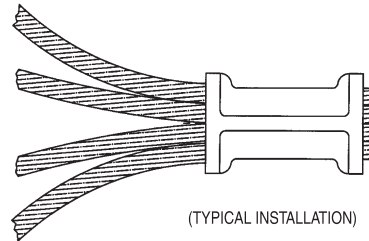
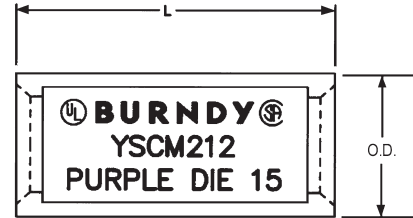
Type YSCM HYLINK™ seamless parallel splice connectors permit stranded wires to be laid parallel inside the connector and spliced together with BURNDY® compression tools. Each YSCM connector accommodates a wide range of conductors and is color-coded to ensure proper tool and die match. YSCM connectors are cULus Listed Wire Connectors per UL 486A/B for Grounding and Bonding, and UL 467 and rated for Direct Burial in Earth and Concrete.



C-143

**Features & Benefits**

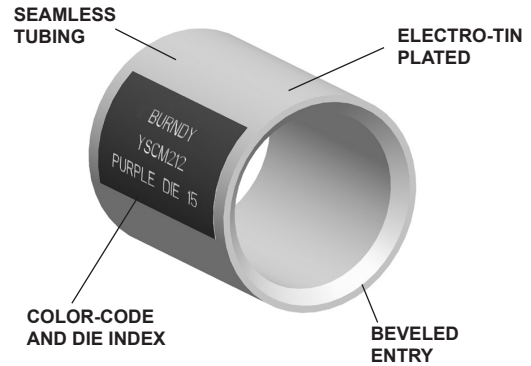
- Copper seamless barrel uninsulated parallel splice
- Designed to accommodate a wide range of stranded wires to be laid parallel inside the barrel and spliced together
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- 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
- YSCM Uninsulated Parallel Splices are cULus Listed Wire Connectors per UL 486A-486B per UL 467
- cULus Listed for Grounding and Bonding per UL467 with Direct Burial (DB) rating in Earth or Concrete



### COLOR-CODED HYLINK™ UNINSULATED PARALLEL SPLICE

#### TYPE YSCM (Continued)

C-144



Catalog Number	Conductor Range Cable Circular Mils	Dimensions Inches [mm]		Color Code	Die Index	Recommended Installation Tooling		Wire Strip Length
		L ±.03	O.D. ±.01			OUR840, Y500CTHS, PAT60018V Series	Y35, Y750, PAT750 Series	
YSCM17	13,060 - 16,910	0.50 [13]	0.27 [7]	Red	49	X8CRT, W8CRT	U8CRT	11/16
YSCM27	16,910 - 26,890	0.50 [13]	0.31 [8]	Blue	7	X5CRT, W5CRT	U5CRT	11/16
YSCM42	29,970 - 41,520	0.50 [13]	0.38 [10]	Gray	8	X4CRT, W4CRT	U4CRT	11/16
YSCM66	42,750 - 66,040	0.62 [16]	0.47 [12]	Brown	10	X2CRT, W2CRT	U2CRT	3/4
YSCM80	67,980 - 80,020	0.62 [16]	0.52 [13]	Green	11	X1CRT, W1CRT-1	U1CRT-1	3/4
YSCM104	82,870 - 103,630	0.69 [18]	0.57 [14]	Pink	12	X25RT, W25RT	U25RT	15/16
YSCM133	104,960 - 133,220	0.81 [21]	0.64 [16]	Black	13	X26RT, W26RT	U26RT	1-1/16
YSCM167	134,340 - 166,560	0.81 [21]	0.70 [18]	Orange	14	X27RT, W27RT	U27RT	1-1/16
YSCM212	167,380 - 211,820	0.88 [22]	0.78 [20]	Purple	15	X28RT, W28RT	U28RT	1-1/16
YSCM231	- 230,800	1.05 [27]	0.81 [21]	Yellow	16	X29RT, W29RT	U29RT	1-1/16

**Notes:**

- Material: Copper per ASTM B75.
  - Finish: Tin plated. For nickel plating, add suffix "NK" to the Catalog Number.
- † Recommended strip length. Strip length dependant on size, no. of wires and insulation thickness.
- ‡ Refer to Circular Mil Table per ASTM B8 for total Class B Circular Mil calculations.
- \* YSCM231 can also be installed with MY29-3 and retain Listings.

Add the circular mils of the wires you wish to splice; that sum would be used to determine the correct splice using the Min/Max on the table above.

The table to the right is for reference only.

Size		ASTM Strandings	
Circular Mils	AWG	Class	Cable Diameter (in)
1,022	20	B	0.036
1,624	18	B	0.045
2,583	16	B	0.057
4,107	14	B	0.072
6,530	12	B	0.091
10,380	10	B	0.116
13,090	9	B	0.130
16,510	8	B	0.146
20,820	7	B	0.164
26,250	6	B	0.184
33,100	5	B	0.206
41,740	4	AA	0.254
41,740	4	B&A	0.232
52,630	3	AA	0.285
52,630	3	B&A	0.260
66,370	2	AA	0.320
66,370	2	B&A	0.292
83,690	1	AA	0.360
83,690	1	A	0.328
83,690	1	B	0.332
105,500	1/0	A&A	0.368
105,500	1/0	—	0.390
105,500	1/0	B	0.373
133,100	2/0	A&A	0.414
133,100	2/0	—	0.438
133,100	2/0	B	0.419
167,800	3/0	A&A	0.464
167,800	3/0	—	0.492
167,800	3/0	B	0.470
211,600	4/0	A&A	0.522
211,600	4/0	—	0.522
211,600	4/0	B	0.528

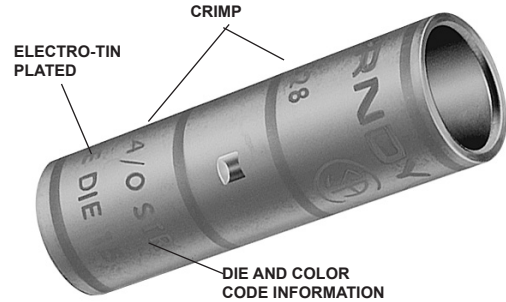


**TYPE YS-L**

**HYLINK™ SPLICE STANDARD BARREL**

**COPPER COMPRESSION**

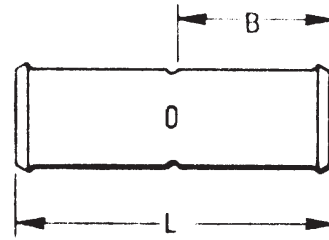
UL Listed 90° C, Up to 35 kV ♦



C-145

**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, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/Standard length barrel is recommended for installations with limited space requirements
- Connectors clearly marked with color coding



Catalog Number	Conductor		Dimensions		Dieless (# of crimps)	Installation Tooling ▲						Wire Strip Length	
	AWG	*** MM²	L	B		Mechanical			Y35, ■ Y39, Y750, Y46*		▲ Die Index & Embossment		
						Y1MRTC Y2MR	MD7-34R	MD6 OUR840	Die Number (# crimps)	Color Code			
<b>YS8C-L-BOX</b>	8 Str.	10	1.00	0.44	Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	Y1MRTC (1)	W8CVT (1)	X8CRT (1)	U8CRT (1)	Red	49	1/2"	
<b>YS6C-LBOX</b>	6 Str.	—	1.75	0.81			W5CVT (1)	X5CRT (1)	U5CRT (1)	Blue	7 or 374	7/8"	
<b>YS5C-LBOX</b>	5 Str.	16	1.90	0.81		Y1MRTC (2)	W4CVT (1)	X4CRT (1)	U4CRT (1)	Gray	8 or 346	7/8"	
<b>YS3C-L</b>	3 Str./ 2 Sol.	25	2.05	0.88			—	—	U3CRT (1)	White	9	15/16"	
<b>YS2C-LBOX</b>	2 Str.	—	2.00	0.88			W2CVT (1)	X2CRT (1)	U2CRT (1)	Brown	10	15/16"	
<b>YS1C-LBOX</b>	1 Str.	50	2.06	0.88			W1CVT (1)	X1CRT (1)	U1CRT-1 (1)	Green	11 or 375	15/16"	
<b>YS25-LBOX</b>	1/0 Str.	—	2.08	0.88		Y81KFT (2) Y81KFTMBH (2) PAT81KFT-18V (2)	—	W25VT (2)	X25RT (2)	U25RT (1)	Pink	12 or 348	15/16"
<b>YS26-LBOX</b>	2/0 Str.	70	2.17	0.94				W26VT (2)	X26RT (2)	U26RT (1)	Black	13	1"
<b>YS27-LBOX</b>	3/0 Str.	95	2.30	1.00				W27VT (2)	X27RT (2)	U27RT (1)	Orange	14	1-1/16"
<b>YS28-LBOX</b>	4/0 Str.	—	2.32	1.00				W28VT (2)	X28RT (2)	U28RT (1)	Purple	15	1-1/16"
<b>YS29-LBOX</b>	250 kcmil	120	2.46	1.06	W29VT (2)			—	U29RT (1)	Yellow	16	1-1/8"	
<b>YS30-L</b>	300 kcmil	150	2.47	1.06	W30VT (2)			—	U30RT (2)	White	17 or 298	1-1/8"	
<b>YS31-L</b>	350 kcmil	185	2.60	1.12	W31VT (2)			—	U31RT (2)	Red	18 or 324	1-3/16"	
<b>YS32-L</b>	400 kcmil	—	2.74	1.19	W32VT (2)			—	U32RT (2)	Blue	19 or 470	1-1/4"	
<b>YS34-L</b>	500 kcmil	240	3.15	1.38	W34VT (2)			—	U34RT (2)	Brown	20 or 299	1-7/16"	
<b>YS36-L</b>	600 kcmil	300	3.22	1.38	—			—	U36RT (2)	Green	22 or 472	1-7/16"	
<b>YS38-L</b>	700 kcmil	—	3.22	1.38	Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	—	—	—	U38RT (2)	Pink	400	1-7/16"	
<b>YS39-L</b>	750 kcmil	—	3.72	1.62			—	—	U39RT (2)	Black	24	1-11/16"	
<b>YS44-L</b>	1000 kcmil	500	4.28	1.88			—	—	P44RT (2)**	White	27	1-15/16"	

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

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™.

\*\* P44RT for use with Y46 HYPRESS™ only. PUADP-1 adaptor not required.

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

■ The maximum size for the Y35 is 400 kcmil insulated code cable.

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

Note: All dimensions shown are for reference only.

# Compression Connections

BURNDY®

Copper Compression — Code — Long Barrel — Splice

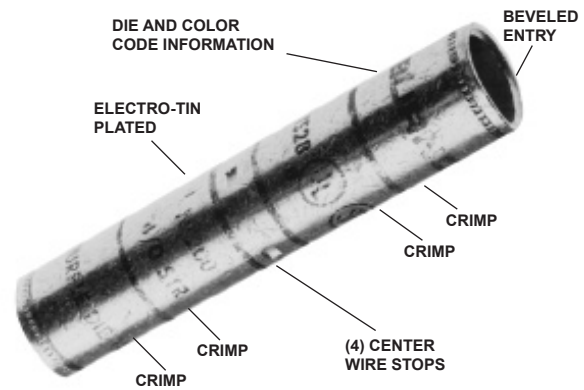
## TYPE YS

### HYLINK™ SPLICE - LONG BARREL

C-146

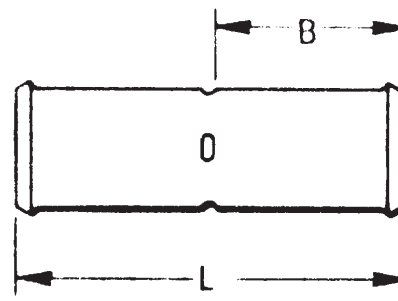
### COPPER COMPRESSION SPLICE

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, preventing possible damaging of the wire strands during insertion
- 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 while allowing the connection to operate at a lower temperature rating

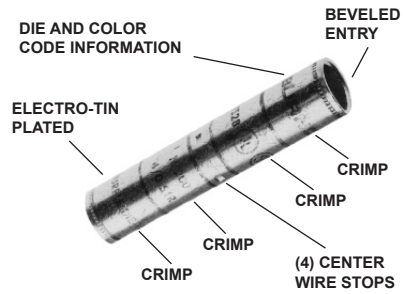


TYPE YS

HYLINK™ SPLICE - LONG BARREL

COPPER COMPRESSION SPLICE

UL Listed 90° C, Up to 35 kV ♦  
(Continued)



C-147

Catalog Number	Conductor		Dimensions		Dieless (# of crimps)	Installation Tooling ▲						Wire Strip Length	
	AWG	mm²	L	B		Mechanical			Y35†, Y39, Y750, Y46		▲ Die Index & Embossment		
						Y1MRTC	MD7-34R	MD6 OUR840	Die Number (# crimps)	Color Code			
YS8C	8 Str.	10	1.75	0.78	Y / PAT81KFT (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	Y / PAT81KFT (2)	Y1MRTC (4)	W4CVT (2)	X4CRT (2)	U4CRT (2)	Gray	8 or 346	1-3/16	
YS3C	3 Str./2 Sol.	25	2.80	1.22			—	U3CRT (2)	—	White	9	1-5/16	
YR2C2WT	2 Str. - 2Sol.	25	3.03	1.25			W2CVT (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)	X1CRT-1 (2)	U1CRT-1 (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	Y / PAT81KFT (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	Y / PAT81KFT (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 PUADP-1 adapter with U dies in Y46 HYPRESS™.  
\*\* P44RT for use with Y46 HYPRESS™ only. PUADP-1 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 Y60BHU HYPRESS™ with L48RT die set.  
Note: All dimensions shown are for reference only.

## REDUCING ADAPTER

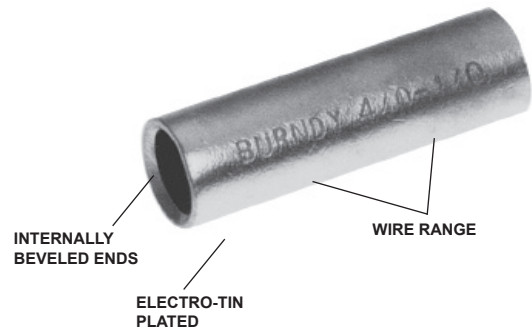
### TYPE Y-R

### FOR COPPER

C-148

Up to 35 kV ♦

The Y-R reducing adapter has been designed to allow large size, long barrel, copper long barrel. HYDENT™, HYSPLICE™ and HYTEE™ terminals, splices and T taps to be used on smaller conductor sizes. To use, simply insert the reducer into the barrel, insert the wire into the reducer adapter and crimp the outer barrel using its recommended tooling.



### Features & Benefits

- Reducing adapters fit inside copper long barrel compression terminals (Type YA-), splices (Type YS-), or tap connectors
- The outside diameter of the reducing adapter is equivalent to the terminal or splice accommodating wire size, and the inside diameter of the reducer adapter is reduced to accommodate a smaller wire size
- Use the same installation tooling and die sets or dieless tool recommended for the compression terminal, splice, or tap connection with the reducing adapter
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damage of the wire strands during insertion
- Electro-tin plated, unless otherwise specified, to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Can be field modified to fit shorter length compression terminals (Type YA-L) and splices (Type YS-L)
- Connectors are clearly marked with stamping



**Example Accommodate a 4/0 AWG wire on one end and a #2 AWG wire on the other:**

1. Use a YS28 (which splices two 4/0 AWG wires on each end)
2. Select a Y282CR reducing adapter (reducing adapter fits the YS28 barrel with a reduced inside diameter that accommodates a #2 AWG wire size)
3. Fully insert the Y282CR reducing adapter into one end of the YS28 splice barrel
4. Insert the #2 AWG wire into the Y282CR reducing adapter that is inside the YS28 splice barrel
5. Crimp the YS28 barrel side with the Y282CR reducing adapter, using the recommended die and tool combination or dieless tool as specified for use on the YS28
6. Insert the 4/0 AWG wire into the other end of the YS28 barrel and crimp that side of the splice using the recommended installation tooling and your splice reducing connection is complete!

Catalog Number	Wire Range		Dimensions	
	From	To	Max O.D.	L
Y286CR	4/0 AWG	6,8, Str. 6 Sol.	0.53	1.75
Y284WR		4 Sol.	0.53	1.75
Y284CR		4 Str.	0.53	1.75
Y282CR		2 Str.	0.53	1.75
Y281CR		1 Str.	0.53	1.75
Y2825R		1/0 Str.	0.53	1.75
Y2826R		2/0 Str.	0.53	1.75
Y2827R		3/0 Str.	0.53	1.75
Y2928R		250 kcmil	4/0	0.58
Y304CR	300 kcmil	4	0.64	2.00
Y302CR		2	0.64	2.00
Y3025R		1/0	0.64	2.00
Y3026R		2/0	0.64	2.00
Y3027R		3/0	0.64	2.00
Y3028R		4/0	0.64	2.00
Y3126R	350 kcmil	2/0	0.69	2.00
Y3128R		4/0	0.69	2.00
Y3129R		250	0.69	2.00
Y342CR	500 kcmil	2 Str.	0.82	2.50
Y3425R		1/0 Str.	0.82	2.50
Y3426R		2/0 Str.	0.82	2.50
Y3427R		3/0 Str.	0.82	2.50
Y3428R		4/0 Str.	0.82	2.50
Y3429R		250 kcmil	0.82	2.50
Y3430R		300 kcmil	0.82	2.50
Y3431R		350 kcmil	0.82	2.50
Y3432R	400 kcmil	0.82	2.50	
Y3934R	750 kcmil	500 kcmil	1.02	2.88
Y3936R		600 kcmil	1.02	2.88
Y4439R	1000 kcmil	750 kcmil	1.30	3.00

Contact Technical Support for other sizes not listed.

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

Note: All dimensions shown are for reference only.

UNINSULATED BELLED STANDARD LENGTH COPPER COMPRESSION SPLICE

HYLINK™ TYPE YS-LB

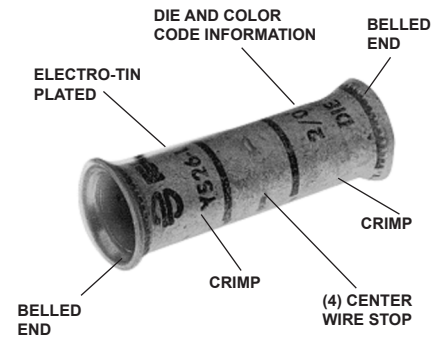
UL Listed 90° C, 600 Volts to 35 kV ♦



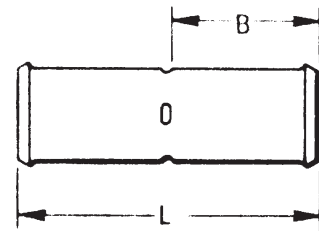
HYLINK™ type YS-LB splices are designed for flexible and extra flexible copper conductors used in mining machines, locomotives, welding cables and other flexible cable applications. The seamless, high conductivity copper, electro-tin plated belled barrel provides for easy insertion of flexible stranded conductors and the nest indenter die system provides an excellent electrical and mechanical connection.

Features & Benefits

- Copper seamless barrel is designed with a “belled” end opening at the wire entry to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/Standard length barrel is recommended for installations with limited space requirements
- Barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Connectors are clearly marked with color coding to ensure proper die and installation tooling is selected



C-149



See next page for Installation Tooling Information

Catalog Number	Copper Conductor							Dimensions	
	Class B, C	Flexible and Extra Flexible Cables							
		Class G	Class H	Class I	Battery Cable Class K	Welding Cable Class M	Locomotive Cable	B	L
YS8C-LB	8	#8 (49 str)	#8 (133 str)	—	#8 (168/30)	#8 (420/34)	#8 (37/24)	0.44	1.09
YS5C-LB	5	#6 (49 str)	#6 (133 str)	#6 (63/24)	#6 (266/30)	#6 (665/34)	#6 (61/24)	0.81	1.82
YS4C-LB	4	#5 (49 str)	#5 (133 str)	#5 (84/24)	#5 (336/30)	#5 (836/34)	#5 (91/24)	0.81	1.84
YS3C-LB	3	#4 (49 str)	#4 (133 str)	#4 (105/24)	#4 (420/30)	#4 (1064/34)	#4 (105/24)	0.88	1.96
YS2C-LB	2	#3 (49 str)	#3 (133 str)	#3 (133/24)	#3 (532/30)	#3 (1323/24)	#3 (125/24)	0.87	1.98
YS1C-LB	1	#2 (49 str)	#2 (133 str)	#2 (161/24)	#2 (665/30)	#2 (1666/34)	#2 (150/24)	0.87	1.97
YS25-LB	1/0	#1 (133 str)	#1 (259 str)	#1 (210/24)	#1 (836/30)	#1 (2107/34)	#1 (225/24)	0.87	2.00
YS26-LB	2/0	1/0 (133 str)	1/0 (259 str)	1/0 (266/24)	1/0 (1064/30)	1/0 (2646/34)	1/0 (275/24)	0.93	2.12
YS27-LB	3/0	2/0 (133 str)	2/0 (259 str)	2/0 (342/24)	2/0 (1323/30)	2/0 (3325/34)	2/0 (325/24)	0.99	2.24
YS28-LB	4/0	3/0 (133 str)	3/0 (259 str)	3/0 (418/24)	3/0 (1666/30)	—	3/0 (450/24)	0.98	2.26
YS29-LB	250	4/0 (133 str)	4/0 (259 str)	—	—	—	—	1.04	2.40
YS30-LB	300	250 kcmil (259 str)	250 kcmil (427 str)	4/0 (532/24)	4/0 (2107/30)	4/0 (5320/34)	4/0 (550/24)	1.04	2.41
YS32-LB	400	300 kcmil (259 str)	300 kcmil (427 Str)	300 kcmil (735/24)	300 kcmil (2989/30)	300 kcmil (7581/34)	313.1 kcmil (775/24)	1.17	2.69
YS34-LB	500	350 kcmil (259 str) 400 kcmil (259 str)	350 kcmil (427 str) 400 kcmil (427 str)	350 kcmil (882/24) 400 kcmil (980/24)	350 kcmil (3458/30)	350 kcmil (8806/34)	373.7 kcmil (925/24)	1.35	3.10
YS36-LB	600	500 kcmil (259 str)	500 kcmil (427 str)	450 kcmil (1127/24)	450 kcmil (4522/30)	450 kcmil (11396/34)	444.4 kcmil (1100/24)	1.66	3.14
YS38-LB	700	550 kcmil (427 str)	550 kcmil (703 str)	500 kcmil (1225/24) 550 kcmil (1372/24)	500 kcmil (5054/30)	500 kcmil (12691/34)	535.3 kcmil (1325/24)	1.85	3.14
YS39-LB	750	600 kcmil (427 str)	—	—	—	550 kcmil (13664/34)	—	1.85	3.64
YS40-LB	800	—	600 kcmil (703 str)	600 kcmil (1470/24)	—	600 kcmil (14945/34)	—	1.85	3.67
YS44-LB	1000	750 kcmil (427 str)	750 kcmil (703 str)	650 kcmil (1596/24)	600 kcmil (5985/30)	—	777.7 kcmil (1925/24)	1.85	4.20

\* Contact BURNDY® for conductors not shown.

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

Note: All dimensions shown are for reference only.

# Compression Connections

Copper Compression — Flex — Splice — Belled Ends

**BURNDY®**

## TYPE YS-LB

### INSTALLATION TOOLING CHART

#### UNINSULATED BELLED COPPER COMPRESSION SPLICE

C-150

#### STANDARD LENGTH BELLED BARREL

UL Listed 90° C, Up to 35 kV ♦

(Continued)



Catalog Number	Cable Size	Installation Tooling ▲				Hydraulic						Wire Strip Length	
		Dieless (# of Crimps)	Die Index	Dieless HYTOOL™ (# of crimps)	Die Type	Y35 †	Y39 †	Y750 †	Y45 †	Y46 * †	Y60BHU		
YS8C-LB	8 AWG	-	49	Y8MRB-1	DIE SET	U8CRT	U8CRT	U8CRT	U8CRT	U8CRT	-	7/16	
	8 Flex		1013		NEST INDENTOR	UV8L Y34PL	UV8L Y34PL	UV8L Y34PL	UV8L Y34PL	UV8L Y34PL	- -		
YS5C-LB ①	5 AWG	Y / PAT644 (1) Y / PAT81KFT (1)	7	MR4C	DIE SET	U5CRT	U5CRT	U5CRT	U5CRT	U5CRT	-	7/8	
	6 Flex		1014	MY29-3 MY29-11	NEST INDENTOR	U6CD-1 Y34PR	U6CD-1 Y34PR	U6CD-1 Y34PR	U6CD-1 Y34PR	U6CD-1 Y34PR			
YS4C-LB	4 AWG		8	MR4C	DIE SET	U4CRT	U4CRT	U4CRT	U4CRT	U4CRT		7/8	
	5 Flex		1015	MY29-3 MY29-11	NEST INDENTOR	U4CD-1 Y34PR	U4CD-1 Y34PR	U4CD-1 Y34PR	U4CD-1 Y34PR	U4CD-1 Y34PR			
YS3C-LB	3 AWG		9	MY29-3	DIE SET	U3CRT	U3CRT	U3CRT	U3CRT	U3CRT		15/16	
	4 Flex		1016	MY29-11	NEST INDENTOR	U3CD-1 Y34PR	U3CD-1 Y34PR	U3CD-1 Y34PR	U3CD-1 Y34PR	U3CD-1 Y34PR			
YS2C-LB	2 AWG		10	MY29-3	DIE SET	U2CRT	U2CRT	U2CRT	U2CRT	U2CRT		15/16	
	3 Flex		1017	MY29-11	NEST INDENTOR	U2CD-1 Y34PR	U2CD-1 Y34PR	U2CD-1 Y34PR	U2CD-1 Y34PR	U2CD-1 Y34PR			
YS1C-LB	1 AWG		11	MY29-3	DIE SET	U1CRT-1	U1CRT-1	U1CRT-1	U1CRT-1	U1CRT-1		15/16	
	2 Flex		1018	MY29-11	NEST INDENTOR	U1CD-1 Y34PR	U1CD-1 Y34PR	U1CD-1 Y34PR	U1CD-1 Y34PR	U1CD-1 Y34PR			
YS25-LB	1/0 AWG		12	MY29-3	DIE SET	U25RT	U25RT	U25RT	U25RT	U25RT		15/16	
	1 Flex		1019	MY29-11	NEST INDENTOR	U25D-1 Y34PR-2	U25D-1 Y34PR-2	U25D-1 Y34PR-2	U25D-1 Y34PR-2	U25D-1 Y34PR-2			
YS26-LB	2/0 AWG		13	MY29-3	DIE SET	U26RT	U26RT	U26RT	U26RT	U26RT		1	
	1/0 Flex		1020	MY29-11	NEST INDENTOR	U26D-1 Y34PR-2	U26D-1 Y34PR-2	U26D-1 Y34PR-2	U26D-1 Y34PR-2	U26D-1 Y34PR-2			
YS27-LB	3/0 AWG		14	MY29-3	DIE SET	U27RT	U27RT	U27RT	U27RT	U27RT		1-1/16	
	2/0 Flex		1021	MY29-11	NEST INDENTOR	U27D-1 Y34PR-2	U27D-1 Y34PR-2	U27D-1 Y34PR-2	U27D-1 Y34PR-2	U27D-1 Y34PR-2			
YS28-LB	4/0 AWG		15	MY29-3	DIE SET	U28RT	U28RT	U28RT	U28RT	U28RT		-	1-1/16
	3/0 Flex		1022	MY29-11	NEST INDENTOR	- Y34PR-2	U28D-1 Y34PR-2	U28D-1 Y34PR-2	U28D-1 Y34PR-2	U28D-1 Y34PR-2			
YS29-LB	250 kcmil		16	MY29-3	DIE SET	U29RT	U29RT	U29RT	U29RT	U29RT		-	1-1/16
	4/0 Flex		1023	MY29-11	NEST INDENTOR	- Y34PR-2	U29D-1 Y34PR-2	U29D-1 Y34PR-2	U29D-1 Y34PR-2	U29D-1 Y34PR-2			
YS30-LB	300 kcmil	17	-	DIE SET	U30RT	U30RT	U30RT	U30RT	U30RT	L30RT	1-1/8		
	4/0-250 Flex	1024	-	NEST INDENTOR	- Y34PR-2	U30D-1 Y34PR-2	U30D-1 Y34PR-2	U30D-1 Y34PR-2	U30D-1 Y34PR-2				

† Use Y35P3 adaptor with Y34PR indenter.

\* Use PUADP-1 adaptor with U-DIES in Y46 HYPRESS™.

▲ See Tooling section in this catalog for complete tool and die listings.

① Not color coded.

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

Note: All dimensions shown are for reference only.

**TYPE YS-LB**

**INSTALLATION TOOLING CHART**

**UNINSULATED BELLED COPPER COMPRESSION SPLICE**

**STANDARD LENGTH BELLED BARREL**

UL Listed 90° C, Up to 35 kV ♦

(Continued)



C-151



Catalog Number	Cable Size	Installation Tooling ▲				Hydraulic						Wire Strip Length	
		Dieless (# of Crimps)	Die Index	Dieless HYTOOL™ (# of crimps)	Die Type	Y35 †	Y39 †	Y750 †	Y45 †	Y46 * †	Y60BHU		
YS32-LB	400 kcmil	Y / PAT644 (2) Y / PAT81KFT (2)	19	-	DIE SET	U32RT	U32RT	U32RT	U32RT	U32RT	L32RT	1-1/4	
	300 Flex		1026		NEST INDENTOR	- -	U32D-1 Y34PR-2	U32D-1 Y34PR-2	U32D-1 Y34PR-2	U32D-1 Y34PR-2	- -		
YS34-LB	500 kcmil		20	-	DIE SET	-	U34RT	U34RT	U34RT	U34RT	U34RT	L34RT	1-7/16
	350 Flex		1027		NEST INDENTOR	- -	U34D-1 Y34PR-2	U34D-1 Y34PR-2	U34D-1 Y34PR-2	U34D-1 Y34PR-2	- -		
YS36-LB	600 kcmil		22	-	DIE SET	-	U36RT	U36RT	U36RT	U36RT	U36RT	L36RT	1-3/4
	500 Flex		1028		NEST INDENTOR	- -	- -	- -	- -	P36D P48PR-1	- -		
YS38-LB	700 kcmil		400	-	DIE SET	U38RT	U38RT	U38RT	U38RT	U38RT	-	-	1-15/16
	550 Flex		1029		NEST INDENTOR	- -	- -	- -	- -	P38D P48PR-1	- -		
YS39-LB	750 kcmil		24	-	DIE SET	-	U39RT	U39RT	S39RT	P39RT	L39RT	-	1-15/16
	600 Flex		1030		NEST INDENTOR	- -	- -	- -	- -	P39D P48PR-1	- -		
YS40-LB	800 kcmil		25	-	DIE SET	-	-	-	S40RT	P40RT	L40RT	-	1-15/16
	600 Flex		1031		NEST INDENTOR	- -	- -	- -	- -	P40D P48PR-1	- -		
YS44-LB	1000 kcmil		27	-	DIE SET	-	-	-	S44RT	P44RT	L44RT	-	1-15/16
	750 Flex		1022		NEST INDENTOR	- -	- -	- -	- -	P44D P48PR-1	- -		

† Use Y35P3 adaptor with Y34PR indentor.

\* Use PUADP-1 adaptor with U-DIES in Y46 HYPRESS™.

▲ See Tooling section in this catalog for complete tool and die listings.

① Not color coded.

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

Note: All dimensions shown are for reference only.

## TYPES YS-T AND YSP-T

### HIGH-VOLTAGE HYLINK™

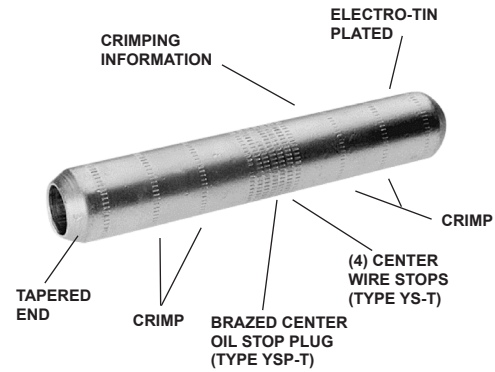
C-152

### UNINSULATED HIGH VOLTAGE COPPER COMPRESSION SPLICE

#### STANDARD BARREL - TAPERED ENDS

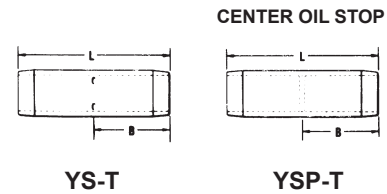
UL Listed 90° C, Up to 35 kV ♦

Seamless types YS-T and YSP-T high conductivity copper electro-tin plated compression HYLINK™ high-voltage splices with standard barrel and tapered ends are ideally suited for higher voltage applications from 5 kV through 35 kV.



#### Features & Benefits

- Copper seamless barrel is designed with tapered ends per EEI Standard TD160, indicating use on voltages 5kV through 35kV; this aids in preventing corona emission and simplifies taping for lower installation cost
- Barrel also has an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damage of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/Standard length barrel is recommended for installations with limited space requirements
- Type YS-T barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Type YSP-T barrel has a center plug permanently brazed in place; this plug prevents oil within oil filled conductor from passing through the splice connector and is also an indication when the wire is fully inserted into each side of the barrel
- Connectors are clearly marked with color coding to ensure proper die and installation tooling is selected





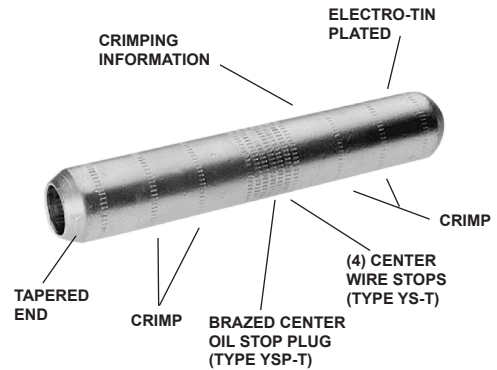
TYPES YS-T AND YSP-T

HIGH-VOLTAGE HYLINK™

UNINSULATED HIGH VOLTAGE COPPER  
COMPRESSION SPLICE

STANDARD BARREL - TAPERED ENDS

UL Listed 90° C, Up to 35 kV ♦  
(Continued)



C-153

Catalog Number		Code Conductors	Dimensions		Installation Tooling- Nest/Indentor ▲					Wire Strip Length
					Y34B Y34PR Indentor	Y35, Y39, Y750, Y34PR Indentor Y35P3 Adaptor	Y35, Y39, Y750, Y46, PAT750 Die Number	Die Index ▲	No. of Indent	
YS-T	YSP-T		B	L	Nest Die	Nest Die	(# of crimps per end)			
YS6C-T	—	6 Str.	0.90	2.16	B6CD	U6CD-1	U5CRT (2)	7	1	15/16
YS4C-T	YSP4C-T	4 Str.	0.90	2.16	B4CD	U4CD-1	U4CRT (2)	8	1	15/16
YS2C-T	YSP2C-T	2 Str.	0.98	2.34	B2CD	U2D-1	U2CRT (2)	10	1	1
YS1C-T	YSP1C-T	1 Str.	0.97	2.31	B1CD	U1D-1	U1CRT-1 (2)	11	1	1
YS25-T	YSP25-T	1/0 Str.	0.98	2.35	B25D	U25D-1	U25RT (2)	12	1	1-3/32
YS26-T	YSP26-T	2/0 Str.	1.04	2.47	B26D	U26D-1	U26RT (2)	13	1	1-3/32
YS28-T	YSP28-T	4/0 Str.	1.13	2.67	B28D	U28D-1	U28RT (2)	15	1	1-3/16
YS29-T	YSP29-T	250 kcmil	1.21	2.85	B29D	U29D-1	U29RT (2)	16	1	1-3/32
YS30-T	YSP30-T	300 kcmil	1.22	2.87	B30D	U30D-1	U30RT (4)	17	2	1-5/16
YS31-T	YSP31-T	350 kcmil	1.32	3.09	B31D	U31D-1	U31RT (4)	18	2	1-3/5
YS34-T	YSP34-T	500 kcmil	1.68	3.86	No Die Needed	U34D-1	U34RT (4)	20	2	1-3/4
YS39-T	YSP39-T	750 kcmil	2.00	4.60	—	—	U39RT (4)	24	2	2-1/8

\* Use adapter PUADP-1 with U Dies in Y46 HYPRESS™. Y46 HYPRESS™ uses the same nest indentor and adaptor as the Y35, Y39 and Y750, but with the PUADP-1 adaptors.

\*\* A 0.06 radius at each end is used for sizes 6-27.

■ 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.

Note: All dimensions shown are for reference only.

# Compression Connections

Copper Compression — Flex — Splice — Long Barrel — Belled Ends

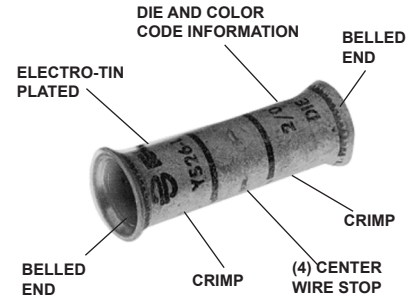
BURNDY®

## TYPE YS-FXB

### HYLINK™ - SPLICE - BELLED LONG BARREL

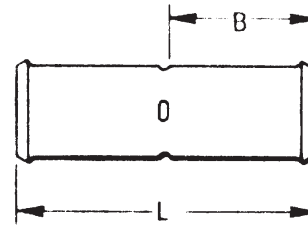
C-154

UL Listed 90° C, Up to 35 kV ♦



### Features & Benefits

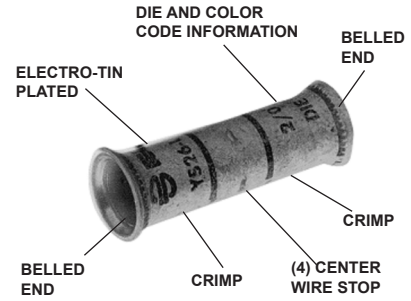
- Copper seamless barrel is designed with a "belled" opening at the wire entry to ensure smooth insertion of highly flexible stranded wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Barrel has center stop indentations used to indicate when wire is fully inserted into each side of the barrel
- Connectors clearly marked with color coding



**TYPE YS-FXB**

**HYLINK™ - SPLICE - BELLED LONG BARREL**

UL Listed 90° C, Up to 35 kV ♦  
(Continued)



C-155

Catalog Number	Conductor Flexible Cable Code AWG	*** MM²	Dimensions		Installation Tooling				Cable Strip Length	
			L (mm)	B (mm)	Mechanical	Y35 †, Y39, Y750, Y46*				
					Dieless (# of crimps/end)	Y1MRTC	Embossed Die Index	Color Code	Die Number (# of crimps/end)	
YS8C-FXB	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG, #6 SOL, #8 SOL	10	1.99 (51)	0.90 (23)	Y / PAT81KFT (1)	Y1MR (2)	49	Red	U8CRT (2)	1" (25)
YSV6C-FXB	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	† 16	2.62 (67)	1.22 (31)		Y1MR (2)	7	Blue	U5CRT (2)	1-5/16" (33)
YSV4C-FXB	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	—	2.62 (67)	1.22 (31)		Y1MR (4)	8	Gray	U4CRT (2)	1-5/16" (33)
YSV2C-FXB	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35	2.89 (73)	1.35 (34)		Y1MR (4)	10	Brown	U2CRT (2)	1-7/16" (37)
YSV1C-FXB	#1 AWG G,H,I,K,M DLO (225/24) #1 AWG	—	3.18 (81)	1.50 (38)		—	11	Green	U1CRT-1 (2)	1-9/16" (40)
YSV25-FXB	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50	3.18 (81)	1.50 (38)		—	12	Pink	U25RT (2)	1-9/16" (40)
YSV26-FXB	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70	3.44 (87)	1.63 (41)		—	13	Black	U26RT (2)	1-11/16" (43)
YSV27-FXB	3/0 AWG G,H,I,K,M DLO (450/24) 3/0 AWG	95	3.46 (88)	1.64 (42)		—	14	Orange	U27RT (2)	1-11/16" (43)
YSV28-FXB	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	† 120	3.72 (94)	1.77 (45)	Y / PAT81KFT (2)	—	15	Purple	U28RT (2)	1-7/8" (48)
YS30-FXB	250 kcmil G,H	—	4.51 (115)	2.16 (55)		—	16	Yellow	U29RT (2)	2-1/4" (57)
YS31-FXB	250 kcmil I,K,M DLO 262 (650/24)	150	4.54 (115)	2.18 (55)		—	17	White	U30RT (4)	2-1/4" (57)
YS32-FXB	300 kcmil G,H,I,K,M DLO 313 (775/24)	185	4.82 (122)	2.32 (59)		—	18	Red	U31RT (4)	2-7/16" (62)
YS34-FXB	350 kcmil G,H,I,K,M DLO 373 (925/24)	240	5.14 (131)	2.48 (63)		—	19	Blue	U32RT (4)	2-9/16" (65)
YS36-FXB	500 kcmil G,H DLO 444 (110/24)	300	6.09 (155)	2.95 (75)		—	20	Brown	U34RT (4)	3-1/16" (79)
YS38-FXB	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	—	6.34 (161)	3.08 (78)		—	L99	Pink	U38XRT (4)	3-3/16" (81)
YS40-FXB	650 kcmil G DLO 646 (1600/24)	400	6.66 (1.69)	3.24 (82)		Y / PAT81KFT (3)	—	24	Black	U39RT (4)
YS44-FXB	750 kcmil G,H DLO 777 (1925/24)	500	6.84 (174)	3.33 (85)	—	L115	Yellow	U44XRT (4) †P44XRT (4)	3-7/16" (87)	

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™.  
† P-RT dies sets are for use with Y46 HYPRESS™ only.  
\*\*\* The MM² conductor sizes listed are the recommendations for Class 5 conductor.

† 16 MM² and 120 MM² referenced are for both Class 2 and Class 5  
■ The maximum size for the Y35 is 373.7 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.  
**Note:** All dimensions shown are for reference only. Measurements in brackets [ ] are in metric dimensions.

### TYPE YS-TC

### HYSPLICE™

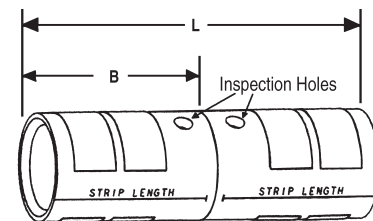
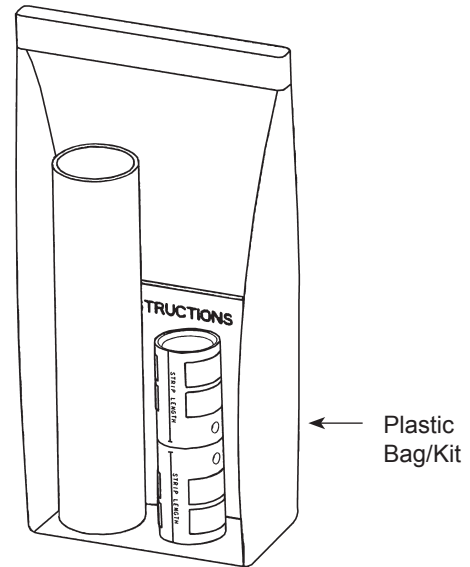
C-156

### In-line Splice Kits

YS-TC kits are for splicing cables and covering the connection with clear heat shrink. Splices are constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin-plated to resist corrosion. Each YS-TC splice is provided with inspection holes and cable stops. The YS-TC family also features the BURNDY® color code system.

### Features & Benefits

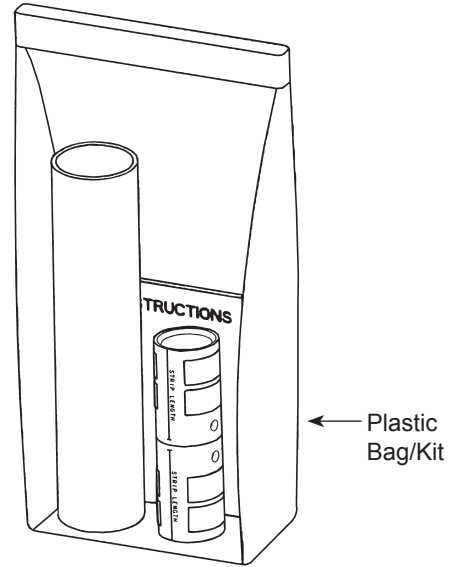
- Each splice kit includes one YS-TC compression splice connector and heat shrink
- The YS-TC compression splice connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- Barrels have 2 inspection windows on each side to allow for visual verification that the wire has been fully inserted prior to crimping the splice
- 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
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/Standard length barrel is recommended for installations with limited space requirements and meet the exact UL testing requirements as long barrel connectors so performance of the connection is not compromised
- Connectors clearly marked with color coding



**TYPE YS-TC**

**HYSPLICE™**

In-line Splice Kits  
(Continued)



C-157

Clear Heat Shrink Kit Catalog Number	Wire Size		Barrel Type	Dimensions		Color Code	Die Index	Wire Strip Length
	AWG	mm <sup>2</sup>		Barrel	Length			
YS44FXLTCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm <sup>2</sup> Class 5	Standard	1.90	4.30	Yellow	L115	1.96
YS39LTCKITC	750 kcmil Code	—	Standard	1.62	3.68	Black	23	1.67
YS38FXLTCKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup> Class 5	Standard	1.71	3.87	Pink	L99	1.77
YS34LTCKITC	500 kcmil Code	240 mm <sup>2</sup> Class 2	Standard	1.56	3.51	Brown	20	1.60
YS34FXLTCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup> Class 2	Standard	1.56	3.51	Blue	19 or L80	1.60
YS31LTCKITC	350 kcmil Code	185 mm <sup>2</sup> Class 2	Standard	1.39	3.10	Red	17	1.42
YS29FXLTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	—	Standard	1.36	2.98	Yellow	16	1.38
YS28LTCKITC	4/0 AWG Code	—	Standard	1.23	2.69	Purple	15	1.24
YS26LTCKITC	2/0 AWG Code	70 mm <sup>2</sup>	Standard	1.16	2.62	Black	13	1.10
YS26FXLTCKITC	2/0 AWG G,H,I,K,M DLO (325/24)	70 mm <sup>2</sup> Class 5	Standard	1.09	2.41	Black	13	1.10
YS25LTCKITC	1/0 AWG Code	—	Standard	1.04	2.37	Pink	12	1.00
YS25FXLTCKITC	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup> Class 5	Standard	1.04	2.18	Pink	12	1.00
YS2CLTCKITC	#2 AWG Code	35 mm <sup>2</sup> Class 5	Standard	0.82	1.88	Brown	10	0.78
YS2CFXLTCKITC	#2 AWG G,H,I,K,M DLO (150/24)	35 mm <sup>2</sup> Class 5	Standard	0.82	1.73	Brown	10	0.78
YS4CFXLTCKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	—	Standard	0.74	1.69	Gray	8	0.71
YS6CFXLTCKITC	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup> Class 5 or Class 2	Standard	0.73	1.60	Blue	724	0.70
YS8CFXLTCKITC	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG, #6 SOL, #8 SOL	—	Standard	0.65	1.48	Red	49	0.62

\* Clear Heatshrink – UL224 VW1 Listed – passes TELCORDIA GR-347-CORE Abrasion and Cut Test.

(Up to 750 kcmil Class B code cable. Contact factory for 750 flex cable applications.)

Note: All dimensions shown are for reference only.

### TYPE YSR-TC

### HYREDUCER™

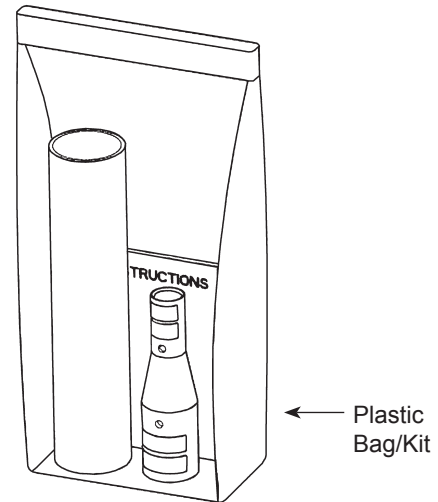
C-158

### In-Line Reducer Splice Kits

YSR-TC reducing splice kits provide for splicing two different cable sizes with inspection holes. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin plated to resist corrosion. The YSR-TC family also features the BURNDY® color code system.

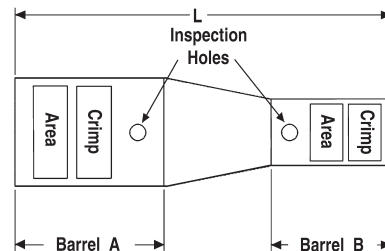
### Features & Benefits

- Each splice kit includes one YSR-TC compression in-line splice reducer connector and heat shrink
- The YSR-TC in-line compression splice reducer connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- Barrels have 2 inspection windows on each side to allow for visual verification that the wire has been fully inserted prior to crimping the splice
- Designed configurations allow for Copper Code-to-Code wire connections, Copper Code-to-Flex wire connections, and Copper Flex-to-Flex wire connections; see table for more complete details
- Barrel is designed with a taper to accommodate a main run wire that is reduced to a smaller tap wire
- Barrel also provided with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/Standard length barrel is recommended for installations with limited space requirements
- Connectors are clearly marked with color coding
- Can be used in place of H-taps; the in-line design saves space in cable trays and other similar applications



### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kmil Class B code cable; contact factory for 750 flex cable applications.



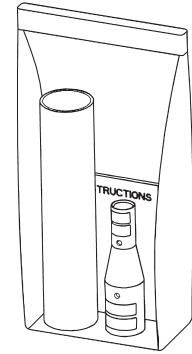
**TYPE YSR-TC**

**HYREDUCER™**

In-Line Reducer Splice Kits  
(Continued)

**Connector with Clear Heat Shrink Kit**

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR44FX39LTCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm <sup>2</sup> Class 5	750 kcmil Code	-	2.09	1.78	4.38	Yellow	Black	L115	24	1.96	1.67	
YSR44FX38FXLTCKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	2.09	1.60	4.61		Pink		L99	1.96	1.77	
YSR44FX34LTCKITC			500 kcmil Code	240 mm <sup>2</sup>	2.09	1.69	4.91		Brown		20	1.96	1.60	
YSR44FX34FXLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	2.09	1.69	4.91		Blue		19 or L80	1.96	1.60	
YSR44FX31LTCKITC			350 kcmil Code	185 mm <sup>2</sup>	2.09	1.49	5.18		Red		18	1.96	1.41	
YSR44FX30LTCKITC			300 kcmil Code	150 mm <sup>2</sup>	2.09	1.30	5.01		White		17 or 298	1.96	1.24	
YSR44FX29LTCKITC †			250 kcmil Code	-	2.09	1.44	5.53		Yellow		16	1.96	1.38	
YSR44FX29FXLTCKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm <sup>2</sup>	2.09	1.44	5.33		Yellow		16	1.96	1.38	
YSR44FX28LTCKITC †			4/0 AWG Code	-	2.09	1.30	5.27		Purple		15	1.96	1.24	
YSR44FX28FXLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>	2.09	1.40	5.46		Purple		15	1.96	1.36	
YSR3939LTCKITC	750 kcmil Code	-	750 kcmil Code	-	1.78	1.78	4.13	Black	Black	24	24	1.67	1.67	
YSR3938FXLTCKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	1.78	1.88	3.79		Pink		L99	1.67	1.77	
YSR3934LTCKITC			500 kcmil Code	240 mm <sup>2</sup>	1.78	1.69	4.09		Brown		20	1.67	1.60	
YSR3934FXLTCKITC			250 kcmil G,H	240 mm <sup>2</sup>	1.78	1.69	4.09		Blue		19 or L80	1.67	1.60	
YSR3931LTCKITC			350 kcmil Code	185 mm <sup>2</sup>	1.78	1.49	4.36		Red		18	1.67	1.41	
YSR3930LTCKITC			300 kcmil Code	150 mm <sup>2</sup>	1.78	1.30	4.23		White		17 or 298	1.67	1.24	
YSR3929LTCKITC †			250 kcmil Code	-	1.78	1.44	4.71		Yellow		16	1.67	1.38	
YSR3929FXLTCKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm <sup>2</sup>	1.78	1.44	4.59		Yellow		16	1.67	1.38	
YSR3928LTCKITC †			4/0 AWG Code	-	1.78	1.30	4.65		Purple		15	1.67	1.24	
YSR3928FXLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>	1.78	1.40	4.64		Purple		15	1.67	1.36	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

# Compression Connections

**BURNDY®**

Copper Compression — Reducing Splice Kit — Code/Flex — Standard Barrel — Inspection Window

## TYPE YSR-TC

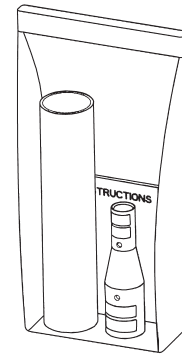
### HYREDUCER™

C-160

### In-Line Reducer Splice Kits (Continued)

#### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length		
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B		
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B				
YSR38FX34LTCKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	500 kcmil Code	240 mm <sup>2</sup>	1.88	1.69	4.06	Pink	Brown	L99	20	1.77	1.60		
YSR38FX34FXLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	1.88	1.69	4.06		Blue		19 or L80	1.77	1.60		
YSR38FX31LTCKITC			350 kcmil Code	185 mm <sup>2</sup>	1.88	1.49	4.33		Red		18	1.77	1.41		
YSR38FX30LTCKITC			300 kcmil Code	150 mm <sup>2</sup>	1.88	1.30	4.20		White		17 or 298	1.77	1.24		
YSR38FX29LTCKITC †			250 kcmil Code	-	1.88	1.44	4.67		Yellow		16	1.77	1.38		
YSR38FX29FXLTCKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm <sup>2</sup>	1.88	1.44	4.48		Yellow		16	1.77	1.38		
YSR38FX28FXLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>	1.88	1.40	4.60		Purple		15	1.77	1.36		
YSR38FX28LTCKITC †			4/0 AWG Code	-	1.88	1.30	4.62		Pink		Purple	L99	15	1.77	1.24
YSR38FX26FXLTCKITC †			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup> Class 5	1.88	1.13	4.62				Black		13	1.77	1.09
YSR3434FXLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	1.69	1.69	3.51				Brown		Blue	20	19 or L80
YSR3431LTCKITC	350 kcmil Code	185 mm <sup>2</sup>	1.69	1.49	3.66	Red	18	1.60	1.41						
YSR3429FXLTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm <sup>2</sup>	1.69	1.44	3.81	Yellow	16	1.60	1.38						
YSR3428LTCKITC	4/0 AWG Code	-	1.69	1.30	3.95	Purple	15	1.60	1.24						
YSR3426FXLTCKITC †	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup> Class 5	1.69	1.13	4.01	Black	13	1.60	1.09						
YSR3425FXLTCKITC †	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	1.69	1.04	4.01	Pink	12	1.60	1.00						
YSR34FX31LTCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	350 kcmil Code	185 mm <sup>2</sup>	1.69	1.49	3.63	Blue	Red	19 or L80	18	1.60	1.41		

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.



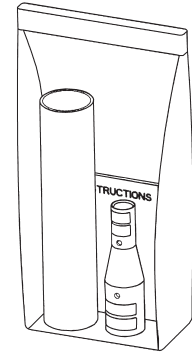
**TYPE YSR-TC**

**HYREDUCER™**

In-Line Reducer Splice Kits  
(Continued)

**Connector with Clear Heat Shrink Kit**

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



← Plastic Bag/Kit

C-161

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR34FX29FXLTCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm <sup>2</sup>	1.69	1.44	3.81	Blue	Yellow	19 or L80	16	1.60	1.38	
YSR34FX28FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>	1.69	1.43	3.86		Purple		15	1.60	1.36	
YSR34FX28LTCKITC			4/0 AWG Code	-	1.69	1.30	3.95		Purple		15	1.60	1.24	
YSR34FX26FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup> Class 5	1.69	1.13	3.94		Black		13	1.60	1.09	
YSR34FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	1.69	1.04	4.01		Pink		12	1.60	1.00	
YSR34FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	1.69	0.82	4.02		Brown		10	1.60	0.78	
YSR34FX4CFXLTCKITC ††			#4 AWG G,H,I,K,M DLO (105/24)	-	1.69	0.74	4.11		Gray		8	1.60	0.71	
YSR34FX6CFXLTCKITC ††			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	1.69	0.73	4.26		Blue		7	1.60	0.70	
YSR3129FXLTCKITC	350 kcmil Code	185 mm <sup>2</sup> Class 2	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm <sup>2</sup>	1.49	1.44	3.13	Red	Yellow	18	16	1.41	1.38	
YSR3128FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>	1.25	1.40	3.25		Purple		15	1.41	1.36	
YSR3128LTCKITC			4/0 AWG Code	-	1.49	1.30	3.27		Purple		15	1.41	1.24	
YSR3126FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup> Class 5	1.49	1.16	3.24		Black		13	1.41	1.10	
YSR3125FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	1.49	1.04	3.33		Pink		12	1.41	1.00	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

## TYPE YSR-TC

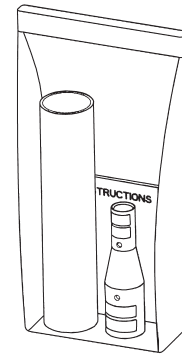
### HYREDUCER™

C-162

### In-Line Reducer Splice Kits (Continued)

#### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	
YSR312CFXLTCKITC	350 kcmil Code	185 mm <sup>2</sup> Class 2	#2 AWG G,H,I,K,M DLO (150/24)	35 mm <sup>2</sup>	1.49	0.82	3.37	Red	Brown	18	10	1.41	0.78	
YSR314CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.49	0.74	3.43		Gray		8	1.41	0.71	
YSR316CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24)	16 mm <sup>2</sup>	1.49	0.73	3.58		Blue		7	1.41	0.70	
YSR32FX29FXLTCKITC	300 kcmil G,H,I,K,M DLO (91/24)	185 mm <sup>2</sup> Class 2	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm <sup>2</sup>	1.57	1.44	3.50	Red	Yellow	19 or L80	16	1.48	1.38	
YSR32FX28FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24)	120 mm <sup>2</sup>	1.57	1.43	3.46		Purple		15	1.48	1.36	
YSR29FX28LTCKITC	250 kcmil Flex 5/0 AWG G,H,I,K,M DLO (550/24)	120 mm <sup>2</sup>	4/0 AWG Code	-	1.44	1.30	3.00	Yellow	Purple	16	15	1.38	1.24	
YSR29FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24)	50 mm <sup>2</sup>	1.44	1.04	3.10		Pink		12	1.38	1.00	
YSR29FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24)	35 mm <sup>2</sup>	1.44	0.82	3.13		Brown		10	1.38	0.78	
YSR2825FXLTCKITC	4/0 AWG Code	-	1/0 AWG G,H,I,K,M DLO (275/24)	50 mm <sup>2</sup>	1.30	1.04	2.66	Purple	Pink	15	12	1.24	1.00	
YSR282CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24)	35 mm <sup>2</sup>	1.30	0.82	2.70		Brown		10	1.24	0.78	
YSR284CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.30	0.74	2.69		Gray		8	1.24	0.71	
YSR286CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24)	16 mm <sup>2</sup>	1.30	0.73	2.99		Blue		7	1.24	0.70	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

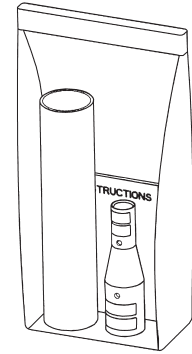
**TYPE YSR-TC**

**HYREDUCER™**

In-Line Reducer Splice Kits  
(Continued)

**Connector with Clear Heat Shrink Kit**

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index			Barrel A	Barrel B
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	
YSR28FX28LTCKITC	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>	4/0 AWG Code	-	1.43	1.27	3.00	Purple	Purple	15	15	1.36	1.24	
YSR28FX26FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup> Class 5	1.43	1.13	2.94				Black	13	1.36	1.19
YSR28FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	1.43	1.02	3.07				Pink	12	1.36	1.00
YSR28FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	1.43	0.79	3.11				Brown	10	1.36	0.78
YSR28FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.43	0.74	3.10				Gray	8	1.36	0.71
YSR26FX25FXLTCKITC	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup>	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	1.16	1.04	2.36	Black	Pink	13	12	1.10	1.00	
YSR26FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	1.16	0.82	2.41				Brown	10	1.10	0.78
YSR26FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.16	0.74	2.47	Black	Gray	13	8	1.10	0.71	
YSR26FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	1.16	0.73	2.71				Blue	7	1.10	0.70
YSR25FX2CFXLTCKITC	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	1.04	0.82	2.12	Pink	Brown	12	10	1.00	0.76	
YSR25FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-	1.04	0.74	2.18				Gray	8	1.00	0.62
YSR25FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	1.04	0.63	2.42				Blue	7	1.00	0.61

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

# Compression Connections

**BURNDY®**

Copper Compression — Reducing Splice Kit — Code/Flex — Standard Barrel — Inspection Window

## TYPE YSR-TC

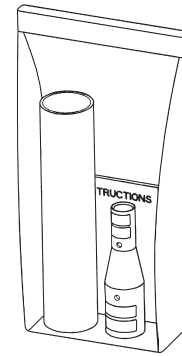
### HYREDUCER™

C-164

### In-Line Reducer Splice Kits (Continued)

#### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



← Plastic Bag/Kit

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR25FX8CFXLTKITC †	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup> Str.-Flex	1.04	0.73	2.31	Pink	Red	12	49	1.01	.60	
YSR2CFX4CFXLTKITC	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	#4 AWG G,H,I,K,M DLO (105/24)	-	0.82	0.74	1.79	Brown	Gray	10	8	0.78	0.63	
YSR2CFX6CFXLTKITC			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	0.82	0.73	1.96		Blue		7	0.78	0.61	
YSR2CFX8CFXLTKITC			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup>	0.82	0.60	1.79		Red		49	0.78	0.60	
YSR4CFX6CFXLTKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	-	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	0.74	0.73	1.67	Gray	Blue	8	7	0.71	0.61	
YSR4CFX8CFXLTKITC			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup>	0.74	0.60	1.50		Red		49	0.71	0.60	
YSR4CFX10CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	0.74	0.66	1.66		—		—	0.71	0.65	
YSR6CFX8CFXLTKITC	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup>	0.73	0.60	1.37	Blue	Red	7	49	0.70	0.57	
YSR6CFX10CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	0.73	0.66	1.53		—		—	0.70	0.63	
YSR6CFX14CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	0.73	0.66	1.53		—		—	.70	.63	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

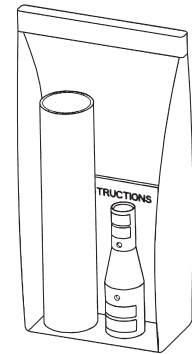
**TYPE YSR-TC**

**HYREDUCER™**

In-Line Reducer Splice Kits  
(Continued)

**Connector with Clear Heat Shrink Kit**

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



← Plastic Bag/Kit

C-165

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR8CFX10CLTCKITC	#8 AWG G,H,I,K,M DLO (37/24)	10 mm <sup>2</sup>	#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	0.57	0.66	1.41	Red	—	49	—	0.57	0.63	
YSR8CFX14CLTCKITC	#8 AWG #6 Sol #8 Sol		#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	0.57	0.66	1.41					—	—	0.57
YSR10CFX12CLTCKITC	#10 - #14 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	#14 - #10 AWG I,K,M #12 AWG Sol #10 AWG Sol DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	0.66	0.66	1.45	—	—	—	—	0.63	0.63	
YSR10CFX14CLTCKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	0.66	0.66	1.45					—	—	0.63

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

# Compression Connections

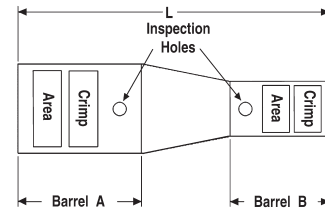
**BURNDY®**

Copper Compression — Reducing Splice Kit — Code/Flex — Standard Barrel — Inspection Window

## TYPE YSR-TC

### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and  
Cut Test up to 750 kcmil Class B code cable; contact  
factory for 750 flex cable applications.



## INSTALLATION TOOLING CHART

Standard Barrel with Inspection Window

C-166

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic Y750, Y35, Y46*, PAT750, PAT46* Series		Hydraulic Y500CTHS, PAT500 Series		Mechanical OUR840, MD7-34		Dieless Y644/PAT644 Series, MY29-11, MRC840	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR44FX39LTCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm <sup>2</sup> Class 5	750 kcmil Code	-	Yellow	Black	L115	24	U44XRT (2)	U39RT (2) P39RT (2)	-	-	-	-	Y/PAT644 (1)	
YSR44FX38FXTCKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>		Pink				L99	U38XRT (2)	-	-	Y/PAT644 (1)		
YSR44FX34LTCKITC			500 kcmil Code	240 mm <sup>2</sup>		Brown				20	U34RT (2)	W34VT (2) W34RT (2)	W34RT (2)	Y/PAT644 (1)		
YSR44FX34FXTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>		Blue				19 or L80	U32RT (2)	W32VT (2) W32RT (2)	W32VT (2)	Y/PAT644 (1)		
YSR44FX31LTCKITC			350 kcmil Code	185 mm <sup>2</sup>		Red				18	U31RT (2)	W31VT (2) W31RT (2)	W31VT (2)	Y/PAT644 (1)		
YSR44FX30LTCKITC			300 kcmil Code	150 mm <sup>2</sup>		White				17 or 298	U30RT (2)	W30VT (2) W30RT (2)	W30VT (2)	Y/PAT644 (1)		
YSR44FX29LTCKITC †			250 kcmil Code	-		Yellow				16	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	Y/PAT644 (1)		
YSR44FX29FXTCKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm <sup>2</sup>		Yellow				16	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	Y/PAT644 (1)		
YSR44FX28LTCKITC			4/0 AWG Code	-		Purple				15	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)		
YSR44FX28FXTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>		Purple				15	U28RT (1)	W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (4)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)		
YSR3939LTCKITC	750 kcmil Code	-	750 kcmil Code	-	Black	Black	24	U39RT (2) P39RT (2)	U39RT (2) P39RT (2)	-	-	-	-	Y/PAT644 (1)		
YSR3938FXTCKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>		Pink			L99	U38XRT (2)	-	-	Y/PAT644 (1)			
YSR3934LTCKITC			500 kcmil Code	240 mm <sup>2</sup>		Brown			20	U34RT (2)	W34VT (2) W34RT (2)	W34VT (2)	Y/PAT644 (1)			
YSR3934FXTCKITC			250 kcmil G,H	240 mm <sup>2</sup>		Blue			19 or L80	U32RT (2)	W32VT (2) W32RT (2)	W32VT (2)	Y/PAT644 (1)			
YSR3931LTCKITC			350 kcmil Code	185 mm <sup>2</sup>		Red			18	U31RT (2)	W31VT (2) W31RT (2)	W31VT (2)	Y/PAT644 (1)			
YSR3930LTCKITC			300 kcmil Code	150 mm <sup>2</sup>		White			17 or 298	U30RT (2)	W30VT (2) W30RT (2)	W30VT (2)	Y/PAT644 (1)			
YSR3929LTCKITC			250 kcmil Code	-		Yellow			16	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	Y/PAT644 (1)			
YSR3929FXTCKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm <sup>2</sup>		Yellow			24	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	Y/PAT644 (1)			
YSR3928LTCKITC †			4/0 AWG Code	-		Purple			24	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)			
YSR3928FXTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>		Purple			24	U28RT (1)	W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (4)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)			

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

**TYPE YSR-TC**

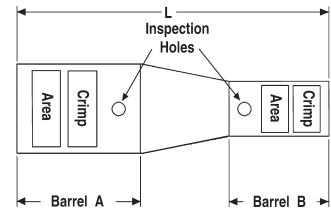
**INSTALLATION TOOLING CHART**

Standard Barrel with Inspection Window

(Continued)

**Connector with Clear Heat Shrink Kit**

Clear heat shrink UL224 VW1 Listed.  
 Passes TELCORDIA GR-347-CORE Abrasion and  
 Cut Test up to 750 kcmil Class B code cable; contact  
 factory for 750 flex cable applications.



C-167

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling															
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic Y750, Y35, Y46*, PAT750, PAT46* Series		Hydraulic Y500CHS, PAT500 Series		Mechanical OUR840, MD7-34		Dieless Y644/PAT644 Series, MY29-11, MRC840									
	AWG	mm²	AWG	mm²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B								
YSR38FX34LTCKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm²	500 kcmil Code	240 mm²	Pink	Brown	L99	20	U34RT (2)	-	W34VT (2) W34RT (2)	-	W34VT (2)	Y/PAT644 (1)	Y/PAT644 (1)									
YSR38FX34FXLTCKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²		Blue										19 or L80	U32RT (2)	W32VT (2) W32RT (2)	W32VT (2)	Y/PAT644 (1)				
YSR38FX31LTCKITC			350 kcmil Code	185 mm²		Red										18	U31RT (2)	W31VT (2) W31RT (2)	W31VT (2)	Y/PAT644 (1)				
YSR38FX30LTCKITC			300 kcmil Code	150 mm²		White										17 or 298	U30RT (2)	W30VT (2) W30RT (2)	W30VT (2)	Y/PAT644 (1)				
YSR38FX29LTCKITC †			250 kcmil Code	-		Yellow										16	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	Y/PAT644 (1)				
YSR38FX29FXLTCKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm²		Yellow										16	U38XRT (2)	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	Y/PAT644 (1)	Y/PAT644 (1)		
YSR38FX28FXLTCKITC †			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm²		Purple										15	U28RT (1)	W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (4)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)				
YSR38FX28LTCKITC †			4/0 AWG Code	-		Purple										15	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (3)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)				
YSR38FX26FXLTCKITC †			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm² Class 5		Black										13	U26RT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	MY29-11 (1) Y/PAT644 (1)				
YSR3434FXLTCKITC	500 kcmil Code	240 mm²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	Brown	Blue	20	19 or L80	U32RT (2)	-	W32VT (2) W32RT (2)	-	W32VT (2)	Y/PAT644 (1)	Y/PAT644 (1)									
YSR3431LTCKITC			350 kcmil Code	185 mm²		Red										18	U31RT (2)	W31VT (2) W31RT (2)	W31VT (2)	Y/PAT644 (1)				
YSR3429FXLTCKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	120 mm²		Yellow										16	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	Y/PAT644 (1)				
YSR3428LTCKITC			4/0 AWG Code	-		Purple										15	U34RT (2) U31ART (2)	U28RT (1)	W34VT (2) W34RT (2)	W28VT (2) W28RT (2) X28RT (3)	W34VT (2)	W28VT (2) W28RT (2) X28RT (3)	Y/PAT644 (1)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)
YSR3426FXLTCKITC †			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm² Class 5		Black										13	U26RT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	MY29-11 (1) Y/PAT644 (1)				
YSR3425FXLTCKITC †			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm²		Pink										12	U25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY29-11 (1) Y/PAT644 (1)				

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

# Compression Connections

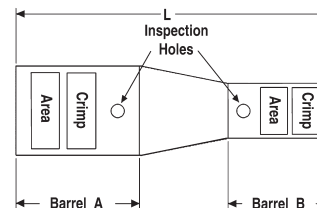
**BURNDY®**

Copper Compression — Reducing Splice Kit — Code/Flex — Standard Barrel — Inspection Window

## TYPE YSR-TC

### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and  
Cut Test up to 750 kcmil Class B code cable; contact  
factory for 750 flex cable applications.



## INSTALLATION TOOLING CHART

Standard Barrel with Inspection Window  
(Continued)

C-168

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling											
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic Y750, Y35, Y46*, PAT750, PAT46* Series		Hydraulic Y500CTHS, PAT500 Series		Mechanical OUR840, MD7-34		Dieless Y644/PAT644 Series, MY29-11, MRC840					
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B				
YSR34FX31LTCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	350 kcmil Code	185 mm <sup>2</sup>	Blue	Red	19 or L80	18	U31RT (2)	U31RT (2)	W31VT (2) W31RT (2)	W31VT (2)	W31VT (2)	Y/PAT644 (1)	Y/PAT644 (1)					
YSR34FX29FXLTCKITC			250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm <sup>2</sup>		Yellow										16	U29RT (1)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)	Y/PAT644 (1)
YSR34FX28FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>		Purple										15	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (2)	MY29-11 (1) Y/PAT644 (1)
YSR34FX28LTCKITC			4/0 AWG Code	-		Purple										15	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (2)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)
YSR34FX26FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup> Class 5		Black										13	U26RT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	MY29-11 (1) Y/PAT644 (1)
YSR34FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>		Pink										12	U25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY29-11 (1) Y/PAT644 (1)
YSR34FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>		Brown										10	U2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR34FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-		Gray										8	U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR34FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>		Blue										7	U5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)
YSR3129FXLTCKITC			350 kcmil Code	185 mm <sup>2</sup> Class 2		250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)										120 mm <sup>2</sup>	Red	Yellow	18	16
YSR3128FXLTCKITC	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>			Purple	15	U28RT (1)	W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (4)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)										
YSR3128LTCKITC	350 kcmil Code	185 mm <sup>2</sup> Class 2	4/0 AWG Code	-	Red	Purple	18	15	U31RT (2)	U28RT (1)	W31VT (2) W31RT (2)	W31VT (2)	W31VT (2)	Y/PAT644 (1)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)					
YSR3126FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup> Class 5		Black										13	U26RT (1)	W26VT (2) W26RT (2) X26RT (2)	W26VT (2) W26RT (2) X26RT (2)	MY29-11 (1) Y/PAT644 (1)
YSR3125FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>		Pink										12	U25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY29-11 (1) Y/PAT644 (1)
YSR312CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>		Brown										10	U2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	W2CVT (1) W2CRT (1) X2CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR314CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-		Gray										8	U4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	W4CVT (1) W4CRT (1) X4CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR316CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>		Blue										7	U5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	W5CVT (1) W5CRT (1) X5CRT (1)	Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

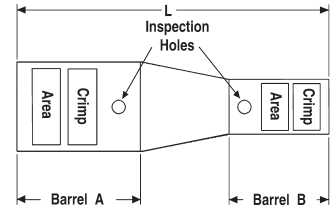
\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.



**TYPE YSR-TC**

**INSTALLATION TOOLING CHART**  
Standard Barrel with Inspection Window  
(Continued)

**Connector with Clear Heat Shrink Kit**  
Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



C-169

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic Y750, Y35, Y46*, PAT750, PAT46* Series		Hydraulic Y500CHS, PAT500 Series		Mechanical OUR840, MD7-34		Dieless Y644/PAT644 Series, MY29-11, MRC840	
	AWG	mm²	AWG	mm²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR32FX29FXLTCKITC	300 kcmil G,H,I,K,M DLO (91/24)	185 mm² Class 2	250 kcmil Flex 4/0 AWG G,H,I,K, DLO (550/24)	120 mm²	Red	Yellow	19 or L80	16	U31RT (2)	U29RT (1)	W31VT (2) W31RT (2)	W29VT (2) W29RT (2) X29RT (4)	W31VT (2)	W29VT (2) X29RT (4)	Y/PAT644 (1)	Y/PAT644 (1)
YSR32FX28FXLTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm²		Purple		15		U28RT (1)		W28VT (2) W28RT (2) X28RT (3)		W28VT (2) W28RT (2) X28RT (3)		MY29-11 (1) Y/PAT644 (1)
YSR29FX28LTCKITC	250 kcmil Flex 5/0 AWG G,H,I,K,M DLO (550/24)	120 mm²	4/0 AWG Code	-	Yellow	Purple	16	15	U29RT (1)	U28RT (1)	W29VT (2) W29RT (2) X29RT (4)	W28VT (2) W28RT (2) X28RT (3)	W29VT (2) X29RT (4)	W28VT (2) W28RT (2) X28RT (3)	Y/PAT644 (1)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)
YSR29FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm²		Pink		12		U25RT (1)		W25VT (2) W25RT (2) X25RT (2)		W25VT (2) W25RT (2) X25RT (2)		MY29-11 (1) Y/PAT644 (1)
YSR29FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm²		Brown		10		U2CRT (1)		W2CVT (1) W2CRT (1) X2CRT (1)		W2CVT (1) W2CRT (1) X2CRT (1)		Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR2825FXLTCKITC	4/0 AWG Code	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm²	Purple	Pink	15	12	U28RT (1)	U25RT (1)	W28VT (2) W28RT (2) X28RT (3)	W25VT (2) W25RT (2) X25RT (2)	W28VT (2) X28RT (3)	W25VT (2) W25RT (2) X25RT (2)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)	MY29-11 (1) Y/PAT644 (1)
YSR282CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm²		Brown		10		U2CRT (1)		W2CVT (1) W2CRT (1) X2CRT (1)		W2CVT (1) W2CRT (1) X2CRT (1)		Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR284CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-		Gray		8		U4CRT (1)		W4CVT (1) W4CRT (1) X4CRT (1)		W4CVT (1) W4CRT (1) X4CRT (1)		Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR286CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm²		Blue		7		U5CRT (1)		W5CVT (1) W5CRT (1) X5CRT (1)		W5CVT (1) W5CRT (1) X5CRT (1)		Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)
YSR28FX28LTCKITC	4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm²	4/0 AWG Code	-	Purple	Purple	15	15	U28RT (1)	U28RT (1)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (4)	W28VT (2) W28RT (2) X28RT (3)	W28VT (2) W28RT (2) X28RT (4)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)
YSR28FX26FXLTCKITC			2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm² Class 5		Black		13		U26RT (1)		W26VT (2) W26RT (2) X26RT (2)		W26VT (2) W26RT (2) X26RT (2)		MY29-11 (1) Y/PAT644 (1)
YSR28FX25FXLTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm²		Pink		12		U25RT (1)		W25VT (2) W25RT (2) X25RT (2)		W25VT (2) W25RT (2) X25RT (2)		MY29-11 (1) Y/PAT644 (1)
YSR28FX2CFXLTCKITC	4/0 AWG Flex or Telco Flex	120 mm²	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm²	Purple	Brown	15	10	U28RT (1)	U2CRT (1)	W28VT (2) W28RT (2) X28RT (3)	W2CVT (1) W2CRT (1) X2CRT (1)	W28VT (2) X28RT (3)	W2CVT (1) W2CRT (1) X2CRT (1)	MY29-11 (1) MRC840 (2) Y/PAT644 (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR28FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-		Gray		8		U4CRT (1)		W4CVT (1) W4CRT (1) X4CRT (1)		W4CVT (1) W4CRT (1) X4CRT (1)		Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

# Compression Connections

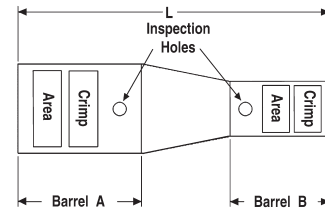
**BURNDY®**

Copper Compression — Reducing Splice Kit — Code/Flex — Standard Barrel — Inspection Window

## TYPE YSR-TC

### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and  
Cut Test up to 750 kcmil Class B code cable; contact  
factory for 750 flex cable applications.



## INSTALLATION TOOLING CHART

Standard Barrel with Inspection Window  
(Continued)

C-170

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling													
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic Y750, Y35, Y46*, PAT750, PAT446* Series		Hydraulic Y500CTS, PAT500 Series		Mechanical OUR840, MD7-34		Dieless Y644/PAT644 Series, MY29-11, MRC840							
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B						
YSR26FX25FXLTCKITC	2/0 AWG G,H,I,K,M DLO (325/24) 2/0 AWG	70 mm <sup>2</sup>	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	Black	Pink	12	U2SRT (1)	U2SRT (1)	W26VT (2) W26RT (2) X26RT (2)	W25VT (2) W25RT (2) X25RT (2)	W26VT (2) W26RT (2) X26RT (2)	W25VT (2) W25RT (2) X25RT (2)	MY29-11 (1) Y/PAT644 (1)	MY29-11 (1) Y/PAT644 (1)							
YSR26FX2CFXLTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>		Brown	13									U2CRT (1)	W26VT (1) W26RT (1) X26RT (1)	W25VT (1) W25RT (1) X25RT (1)	W26VT (1) W26RT (1) X26RT (1)	W25VT (1) W25RT (1) X25RT (1)	MY29-11 (1) Y/PAT644 (1)	MY29-11 (1) Y/PAT644 (1)
YSR26FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-		Gray	8									U4CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR26FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>		Blue	7									U5CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)	Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)
YSR25FX2CFXLTCKITC	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	Pink	Brown	10	U2SRT (1)	U2CRT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (1) W25RT (1) X25RT (1)	W25VT (2) W25RT (2) X25RT (2)	W25VT (1) W25RT (1) X25RT (1)	MY29-11 (1) Y/PAT644 (1)	MY29-11 (1) Y/PAT644 (1)							
YSR25FX4CFXLTCKITC †			#4 AWG G,H,I,K,M DLO (105/24)	-		Gray	8									U4CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR25FX6CFXLTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>		Blue	7									U5CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)	Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)
YSR25FX8CFXLTCKITC †			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup> Str-Flex		Red	-									U8CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	Y8MRB-1 (1) Y1MRTC (1) MY29-3 (1) MY29-11 (1)	Y8MRB-1 (1) Y1MRTC (1) MY29-3 (1) MY29-11 (1)
YSR2CFX4CFXLTCKITC	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	#4 AWG G,H,I,K,M DLO (105/24)	-	Brown	Gray	8	U2CRT (1)	U4CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)							
YSR2CFX6CFXLTCKITC			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>		Blue	7									U5CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)
YSR2CFX8CFXLTCKITC			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup>		Red	49									U8CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	Y8MRB-1 (2) Y1MRTC (2) MY29-3 (1) MY29-11 (1)	Y8MRB-1 (2) Y1MRTC (2) MY29-3 (1) MY29-11 (1)
YSR4CFX6CFXLTCKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	-	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	Gray	Blue	8	7	U4CRT (1)	U5CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)	Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)						
YSR4CFX8CFXLTCKITC			#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup>		Red	49	U8CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	W55CVT (1) W55CRT (1) X55CRT (1)	W88CVT (1) W88CRT (1) X88CRT (1)	Y1MRTC (2) MY29-11 (1) Y/PAT644 (1)	Y8MRB-1 (1) Y1MRTC (1) MY29-3 (1) MY29-11 (1)					
YSR4CFX10CLTCKITC			#14-#10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. 2.5 mm <sup>2</sup> Flex		-	-	-	-	-	-	U4CRT (1)	W44CVT (1) W44CRT (1) X44CRT (1)	-	W44CVT (1) W44CRT (1) X44CRT (1)	-	Y8MRB-1 (2) MRC98 (2) Y10D (2)	Y8MRB-1 (2) MRC98 (2) Y10D (2)				

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

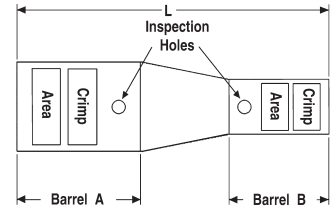
\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

**TYPE YSR-TC**

**INSTALLATION TOOLING CHART**

Standard Barrel with Inspection Window  
(Continued)

**Connector with Clear Heat Shrink Kit**  
Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



C-171

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling														
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic Y750, Y35, Y46*, PAT750, PAT46* Series		Hydraulic Y500CTHS, PAT500 Series		Mechanical OUR840, MD7-34		Dieless Y644 / PAT644 Series, MY29-11, MRC840								
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B							
YSR6CFX8CFXLTKITC	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup>	Blue	—	7	—	U5CRT (1)	—	W5CVT (1) W5CRT (1) X5CRT (1)	—	W5CVT (1) X5CRT (1) X5CRT (1)	—	Y1MRTC (1) MY29-11 (1) Y/PAT644 (1)	Y8MRB-1 (1) Y1MRTC (1) MY29-3 (1) MY29-11 (1)							
YSR6CFX10CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex													—	—	—	—	—	—	Y8MRB-1 (2) MRG98 (2) Y10D (2)
YSR6CFX14CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex													—	—	—	—	—	Y8MRB-1 (2) MRG98 (2) Y10D (2)	
YSR8CFX10CLTKITC	#8 AWG G,H,I,K,M DLO (37/24) #8 AWG #6 Sol #8 Sol	10 mm <sup>2</sup>	#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	Red	—	49	—	U8CRT (1)	—	W8CVT (1) W8CRT (1) X8CRT (1)	—	W8CVT (1) W8CRT (1) X8CRT (1)	—	Y8MRB-1 (1) Y1MRTC (1) MY29-3 (1) MY29-11 (1)	Y8MRB-1 (2) MRG98 (2) Y10D (2)							
YSR8CFX14CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex													—	—	—	—	—	Y8MRB-1 (2) MRG98 (2) Y10D (2)	
YSR10CFX12CLTKITC	#10 - #14 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	#14 - #10 AWG I,K,M #12 AWG Sol #10 AWG Sol DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex	—	—	—	—	—	—	—	—	—	—	Y8MRB-1 (2) MRG98 (2) Y10D (2)	Y8MRB-1 (2) MRG98 (2) Y10D (2)							
YSR10CFX14CLTKITC			#14 - #10 AWG I,K,M DLO (27/24)	6 mm <sup>2</sup> Str. or 2.5 mm <sup>2</sup> Flex													—	—	—	—	—	Y8MRB-1 (2) MRG98 (2) Y10D (2)	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

### TYPE YSR-TC

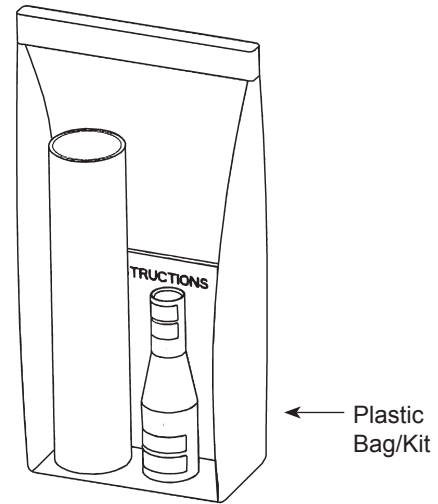
### HYREDUCER™

C-172

### In-Line Reducer Splice Kits

#### Standard Barrel without Inspection Window

YSR-TC reducing splice kits provide for splicing two different cable sizes with inspection holes. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin plated to resist corrosion. The YSR-TC family also features the BURNDY® color code system.

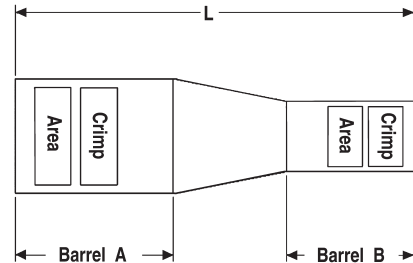


### Features & Benefits

- Each splice kit includes one YSR-TC compression in-line splice reducer connector and heat shrink
- The YSR-TC in-line compression splice reducer connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- No inspection window for more corrosive environments as the barrel transition is not open
- Designed configurations allow for Copper Code-to-Code wire connections, Copper Code-to-Flex wire connections, and Copper Flex-to-Flex wire connections; see table for more complete details
- Barrel is designed with a taper to accommodate a main run wire that is reduced to a smaller tap wire
- Barrel also provided with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Short/Standard length barrel is recommended for installations with limited space requirements and meet the exact UL testing requirements as long barrel connectors so performance of the connection is not compromised
- Connectors are clearly marked with color coding
- Can be used in place of H-taps; the in-line design saves space in cable trays and other similar applications

### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kmil Class B code cable; contact factory for 750 flex cable applications.



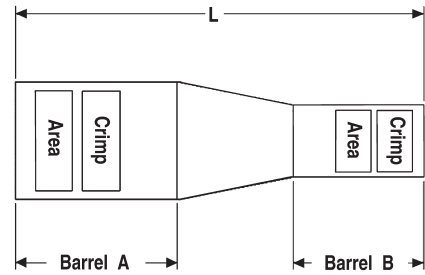
**TYPE YSR-TC**

**HYREDUCER™**

In-Line Reducer Splice Kits

Standard Barrel without Inspection Window  
(Continued)

**Connector with Clear Heat Shrink Kit**  
Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion  
and Cut Test up to 750 kcmil Class B code  
cable; contact factory for 750 flex cable  
applications.



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Clear Heat Shrink Kit Catalog Number	Wire Size				Dimensions				Connector				Wire Strip Length	
	Barrel A		Barrel B		Barrel A	Barrel B	L	Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm²	AWG	mm²				Barrel A	Barrel B	Barrel A	Barrel B			
YSR44FX38FXLKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm² Class 5	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm²	2.09	1.69	4.61	Yellow	Pink	L115	19 or L80	1.96	1.77	
YSR44FX34FXLKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	2.09	1.69	4.91		Blue				1.60	
YSR44FX29FXLKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.09	1.44	5.33		Yellow				16	1.38
YSR3938FXLKITC	750 kcmil Code	-	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm²	1.78	1.88	3.79	Black	Pink	24	19 or L80	1.67	1.77	
YSR3934FXLKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	1.78	1.69	4.09		Blue				1.60	
YSR3929FXLKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.78	1.44	4.51		Yellow				16	1.38
YSR38FX34FXLKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	1.88	1.69	4.06	Pink	Blue	L99	19 or L80	1.77	1.60	
YSR38FX29FXLKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.88	1.44	4.48		Yellow				16	1.38
YSR3434FXLKITC	500 kcmil Code	240 mm²	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	1.69	1.69	3.51	Brown	Blue	20	19 or L80	1.60	1.60	
YSR3429FXLKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.69	1.44	3.81		Yellow				16	1.38
YSR34FX29FXLKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.69	1.44	3.81	Blue	Yellow	19 or L80	16	1.60	1.38	
YSR3129FXLKITC	350 kcmil Code	185 mm²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1.49	1.44	3.13	Red	Yellow	18	16	2.34	2.29	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

Separate Installation Tooling Chart follows.

# Compression Connections

**BURNDY®**

Copper Compression — Reducing Splice Kit — Code/Flex — Standard Barrel — No Inspection Window

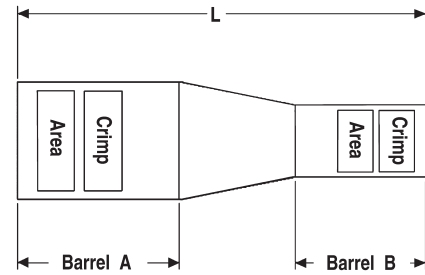
## TYPE YSR-TC

### INSTALLATION TOOLING CHART

Standard Barrel without Inspection Window  
(Continued)

#### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



C-174

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling											
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless					
	Y750, Y35, Y46*, PAT750, PAT46* Series		Y500CTHS, PAT500 Series		OUR840, MD7-34		Y/PAT644 Series		Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B				
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	Barrel A	Barrel B												
YSR44FX38FXLKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm <sup>2</sup> Class 5	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	Yellow	Pink	L115	19 or L80	U44XRT (2) +P44XRT (2)	U34RT (2)	-	W34VT (2) W34RT (2)	-	W34VT (2)	-	Y/PAT644 (1)				
YSR44FX34FXLKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>		Blue											16	U29RT (2)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)
YSR44FX29FXLKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-		Yellow											16	U29RT (2)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)
YSR3938FXLKITC	750 kcmil Code	-	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	Black	Pink	24	19 or L80	U39RT (2) P39RT (2)	U38XRT (2)	-	W32VT (2) W32RT (2)	-	W32VT (2)	-	Y/PAT644 (1)				
YSR3934FXLKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>		Blue											16	U29RT (2)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)
YSR3929FXLKITC			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-		Yellow											16	U29RT (2)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)
YSR38FX34FXLKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	Pink	Blue	L99	19 or L80	U38XRT (2)	U32RT (2)	-	W32VT (2) W32RT (2)	-	W32VT (2)	-	Y/PAT644 (1)				
YSR38FX29FXLKITC †			250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-		Yellow											16	U29RT (2)	W29VT (2) W29RT (2) X29RT (4)	W29VT (2) X29RT (4)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

• P-RT for use in Y46 / PAT 46 Series tools only.

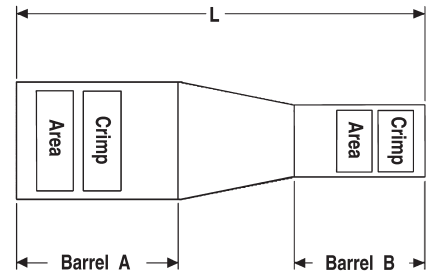
**TYPE YSR-TC**

**INSTALLATION TOOLING CHART**

Standard Barrel without Inspection Window  
(Continued)

**Connector with Clear Heat Shrink Kit**

Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



C-175

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless	
	Y750, Y35, Y46*, PAT750, PAT46* Series		Y500CTHS, PAT500 Series		OUR840, MD7-34		Y/PAT644 Series									
	AWG	mm²	AWG	mm²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR3434FXLKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²		Blue		19 or L80		U32RT (2)		W32VT (2) W32RT (2)		W32VT (2)		
YSR3429FXLKITC	500 kcmil Code	240 mm²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Brown		20		U34RT (2) U31ART (2)	U29RT (2)	W34VT (2) W34RT (2)	W29VT (2) W29RT (2) X29RT (4)	W34VT (2)	W29VT (2) X29RT (4)		Y/PAT644 (1)
YSR34FX29FXLKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Blue	Yellow	19 or L80	16	U32RT (2)	U29RT (2)	W32VT (2) W32RT (2)	W29VT (2) W29RT (2) X29RT (4)	W32VT (2)	W29VT (2) X29RT (4)		Y/PAT644 (1)
YSR3129FXLKITC	350 kcmil Code	185 mm²	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Red	Yellow	18	16	U31RT (2)	U29RT (2)	W31VT (2) W31RT (2)	W29VT (2) W29RT (2) X29RT (4)	W31VT (2)	W29RT (2) X29RT (4)		Y/PAT644 (1)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.  
\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

### TYPE YSR-TC

### HYREDUCER™

C-176

### In-Line Reducer Splice Kits for Telecommunications Applications

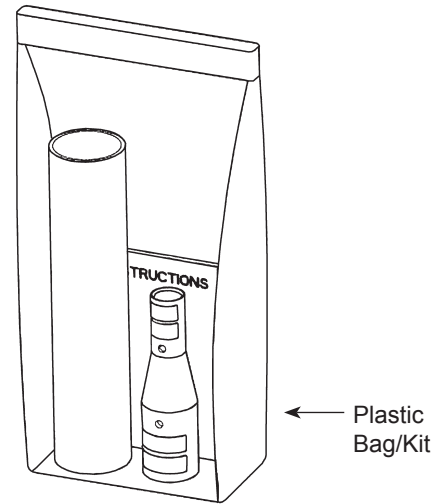
#### Long Barrel with Inspection Window

YSR-TC reducing splice kits provide for splicing two different cable sizes with inspection holes. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin plated to resist corrosion. The

YSR-TC family also features the BURNDY® color code system.

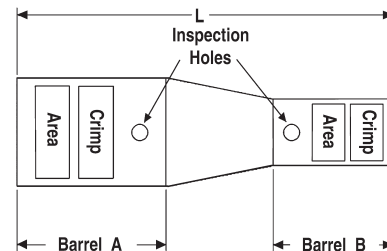
#### Features & Benefits

- Each splice kit includes one YSR-TC compression in-line splice reducer connector and heat shrink
- The YSR-TC in-line compression splice reducer connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- Barrels have 2 inspection windows on each side to allow for visual verification that the wire has been fully inserted prior to crimping the splice
- Designed configurations allow for Copper Code-to-Code wire connections, Copper Code-to-Flex wire connections, and Copper Flex-to-Flex wire connections; see table for more complete details
- Barrel is designed with a taper to accommodate a main run wire that is reduced to a smaller tap wire
- Barrel also provided with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Connectors are clearly marked with color coding
- Can be used in place of H-taps; the in-line design saves space in cable trays and other similar applications



#### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.





**TYPE YSR-TC**

**HYREDUCER™**

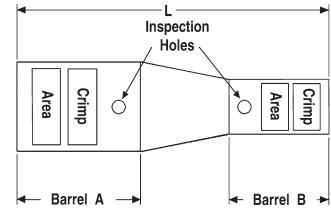
In-Line Reducer Splice Kits for  
Telecommunications Applications

Long Barrel with Inspection Window

(Continued)

**Connector with Clear Heat Shrink Kit**

Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and  
Cut Test up to 750 kcmil Class B code cable; contact  
factory for 750 flex cable applications.



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Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index		Barrel A	Barrel B	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR44FX39TCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm <sup>2</sup> Class 5	750 kcmil Code	-	3.35	2.82	6.69	Yellow	Black	L115	24	3.09	2.71	
YSR44FX34TCKITC			500 kcmil Code	240 mm <sup>2</sup>	3.35	2.75	7.23		Brown		20		2.66	
YSR44FX31TCKITC			350 kcmil Code	185 mm <sup>2</sup>	3.35	2.51	7.47		Red		18		2.42	
YSR3931TCKITC	750 kcmil Code	-	350 kcmil Code	185 mm <sup>2</sup>	2.82	2.51	6.43	Black	Red	24	18	2.71	2.42	
YSR3928TCKITC †			4/0 AWG Code	-	2.82	2.11	6.51		Purple		15		2.05	
YSR38FX31TCKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	350 kcmil Code	185 mm <sup>2</sup>	3.03	2.51	6.51	Pink	Red	L99	18	2.93	2.47	
YSR38FX28TCKITC			4/0 AWG Code	-	3.03	2.11	6.59		Purple		15		2.05	
YSR3431TCKITC	500 kcmil Code	240 mm <sup>2</sup>	350 kcmil Code	185 mm <sup>2</sup>	2.75	2.51	5.74	Brown	Red	20	18	2.67	2.42	
YSR3428TCKITC			4/0 AWG Code	-	2.75	2.11	5.82		Purple		15		2.05	
YSR3425FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	2.75	1.66	5.69		Pink		12		1.68	
YSR34FX28TCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	4/0 AWG Code	-	2.75	2.11	5.82	Blue	Purple	19 or L80	15	2.67	2.05	
YSR34FX28FXTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	-	2.75	2.34	5.83		Purple		15		2.27	
YSR34FX25FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	2.75	1.66	5.69		Pink		12		1.61	
YSR3128TCKITC	350 kcmil Code	185 mm <sup>2</sup>	4/0 AWG Code	-	2.51	2.11	5.10	Red	Purple	18	15	2.42	2.05	
YSR3125FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	2.51	1.66	4.97		Pink		12		1.61	
YSR312CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	2.51	1.33	4.91		Brown		10		1.29	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it. Separate Installation Tooling Chart follows.

# Compression Connections

**BURNDY®**

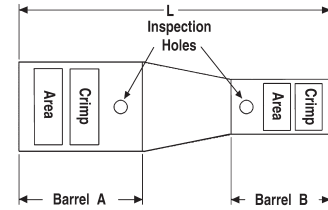
Copper Compression — Reducing Splice Kit — Code/Flex — Long Barrel — Inspection Window

## TYPE YSR-TC

### HYREDUCER™

#### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



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In-Line Reducer Splice Kits for Telecommunications Applications

Long Barrel with Inspection Window

(Continued)

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index			Barrel A	Barrel B
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR32FX29FXTCKITC	300 kcmil G,H,I,K,M DLO 313 (775/24)	185 mm <sup>2</sup> Class 2	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.48	2.34	5.30	Red	Yellow	19 or L80	16	2.40	2.27	
YSR32FX28FXTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>	2.48	2.34	5.28		Purple		15		2.27	
YSR29FX25FXTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	2.36	1.66	4.63	Yellow	Pink	16	12	2.29	1.61	
YSR29FX2CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	2.36	1.33	4.56		Brown		10		1.29	
YSR2825FXTCKITC	4/0 AWG Code	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	2.11	1.66	4.09	Purple	Pink	15	12	2.06	1.61	
YSR282CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	2.11	1.33	4.03		Brown		10		1.29	
YSR286CFXTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	2.11	1.17	4.25		Blue		7		1.15	
YSR26FX6CFXTCKITC †	2/0 AWG G,H,I,K,M DLO (325/24)	70 mm <sup>2</sup>	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	1.85	1.85	3.86	Black	Blue	13	7	1.80	1.85	
YSR25FX6CFXTCKITC †	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	1.66	1.17	3.48	Pink	Blue	12	7	1.63	1.24	
YSR2CFX6CFXTCKITC	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	1.33	1.17	2.88	Brown	Blue	10	7	1.30	1.24	
YSR4CFX6CFXTCKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	-	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>	1.15	1.17	2.49	Gray	Blue	8	7	1.12	1.24	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it. Separate Installation Tooling Chart follows.

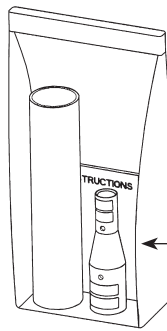
**TYPE YSR-TC**

**INSTALLATION TOOLING CHART**

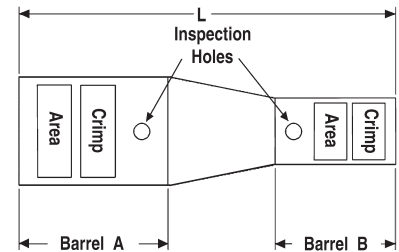
Long Barrel with Inspection Window

Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.  
 Passes TELCORDIA GR-347-CORE Abrasion  
 and Cut Test up to 750 kcmil Class B code  
 cable; contact factory for 750 flex cable  
 applications.



Plastic Bag/Kit



C-179

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling								
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless		
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	Barrel A	Barrel B	Y750, Y35, Y46*, PAT750, PAT46* Series	Y300CTHS, PAT500 Series	OUR840, MD7-34		Y644 / PAT644 Series, MY29-11, MRC840				
									Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	
YSR44FX39TCKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm <sup>2</sup> Class 5	750 kcmil Code	-	Yellow	Black	L115	24	U44XRT (4)	U39RT (4) P39RT (4)	-	-	-	-	Y / PAT644 (2)	Y / PAT644 (2)	
YSR44FX34TCKITC			500 kcmil Code	240 mm <sup>2</sup>		Brown		20		U34RT (4)		W34VT (4) W34RT (4)		W34VT (4)		Y / PAT644 (2)	Y / PAT644 (2)
YSR44FX31TCKITC			350 kcmil Code	185 mm <sup>2</sup>		Red		18		U31RT (4)		W31VT (4) W31RT (4)		W31VT (4) W31RT (4)		Y / PAT644 (2)	Y / PAT644 (2)
YSR3931TCKITC	750 kcmil Code	-	350 kcmil Code	185 mm <sup>2</sup>	Black	Red	24	18	U39RT (4) P39RT (4)	U31RT (4)	-	W31VT (4) W31RT (4)	-	W31VT (4)	Y / PAT644 (2)	Y / PAT644 (2)	
YSR3928TCKITC †			4/0 AWG Code	-		Purple		15		U28RT (2)		W28VT (4) W28RT (4) X28RT (6)		W28VT (4) W28RT (4) X28RT (6)		MY29-11 (2) MRC840 (4) Y / PAT644 (2)	
YSR38FX31TCKITC	500 kcmil H,J,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	350 kcmil Code	185 mm <sup>2</sup>	Pink	Red	L99	18	U38XRT (4)	U31RT (4)	-	W31VT (4) W31RT (4)	-	W31VT (4)	Y / PAT644 (2)	Y / PAT644 (2)	
YSR38FX28TCKITC			4/0 AWG Code	-		Purple		15		U28RT (2)		W28VT (4) W28RT (4) X28RT (6)		W28VT (4) W28RT (4) X28RT (6)		MY29-11 (2) MRC840 (4) Y / PAT644 (2)	
YSR3431TCKITC	500 kcmil Code	240 mm <sup>2</sup>	350 kcmil Code	185 mm <sup>2</sup>	Brown	Red	20	18	U34RT (4) U31ART (4)	U31RT (4)	W34VT (4) W34RT (4)	W31VT (4) W31RT (4)	W34VT (4)	W31VT (4)	Y / PAT644 (2)	Y / PAT644 (2)	
YSR3428TCKITC			4/0 AWG Code	-		Purple		15		U28RT (2)		W28VT (4) W28RT (4) X28RT (6)		W28VT (4) W28RT (4) X28RT (6)		MY29-11 (2) MRC840 (4) Y / PAT644 (2)	
YSR3425FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>		Pink		12		U25RT (2)		W25VT (4) W25RT (4) X25RT (4)		W25VT (4) W25RT (4) X25RT (4)		MY29-11 (2) Y / PAT644 (2)	
YSR34FX28TCKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	4/0 AWG Code	-	Blue	Purple	19 or L80	15	U32RT (4)	U28RT (2)	W32VT (4) W32RT (4)	-	W32VT (4)	W28VT (4) W28RT (4) X28RT (4)	Y / PAT644 (2)	MY29-11 (2) MRC840 (4) Y / PAT644 (2)	
YSR34FX28FXTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	-		Purple		15		U28RT (2)		W28VT (4) W28RT (4) X28RT (6)		W28VT (4) W28RT (4) X28RT (4)		MY29-11 (2) Y / PAT644 (2)	
YSR34FX25FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>		Pink		12		U25RT (2) U2CABT (2)		W25VT (4) W25RT (4) X25RT (4)		W25VT (4) W25RT (4) X25RT (4)		MY29-11 (2) Y / PAT644 (2)	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

# Compression Connections

**BURNDY®**

Copper Compression — Reducing Splice Kit — Code/Flex — Long Barrel — Inspection Window

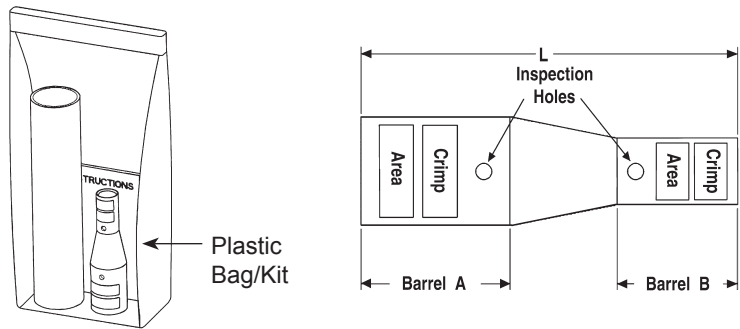
## TYPE YSR-TC

### INSTALLATION TOOLING CHART

C-180

Long Barrel with Inspection Window

(Continued)



#### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.

Passes TELCORDIA GR-347-CORE Abrasion

and Cut Test up to 750 kcmil Class B code

cable; contact factory for 750 flex cable

applications.

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic Y750, Y35, Y46*, PAT750, PAT46* Series		Hydraulic Y500CTHS, PAT500 Series		Mechanical OUR840, MD7-34		Dieless Y644/PAT644 Series, MY29-11, MRC840	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR3128TCKITC			4/0 AWG Code	-	Red	Purple	18	15	U31RT (4)	U28RT (2)	W31VT (4) W31RT (4)	W28VT (4) W28RT (4) X28RT (6)	W31VT (4)	W28VT (4) W28RT (4) X28RT (6)	Y/PAT644 (2)	MY29-11 (2) MRC840 (4) Y/PAT644 (2)
YSR3125FXTCKITC	350 kcmil Code	185 mm <sup>2</sup>	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	Red	Pink	18	12	U31RT (4)	U25RT (2)	W31VT (4) W31RT (4)	W25VT (4) W25RT (4) X25RT (4)	W31VT (4)	W25VT (4) W25RT (4) X25RT (4)	Y/PAT644 (2)	MY29-11 (2) Y/PAT644 (2)
YSR312CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	Red	Brown	18	10	U2CRT (2)	U2CRT (2)	W31VT (4) W31RT (4)	W2CVT (2) W2CRT (2) X2CRT (2)	W31VT (4)	W2CVT (2) W2CRT (2) X2CRT (2)	Y/PAT644 (2)	Y1MRTC (4) MY29-11 (2) Y/PAT644 (2)
YSR32FX29FXTCKITC	300 kcmil G,H,I,K,M DLO 313 (775/24)	185 mm <sup>2</sup> Class 2	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Red	Yellow	19 or L80	16	U31RT (4)	U29RT (4)	W31VT (4) W31RT (4)	W29VT (4) W29RT (4) X29RT (8)	W31VT (4)	W29VT (4) X29RT (8)	Y/PAT644 (2)	Y/PAT644 (2)
YSR32FX28FXTCKITC			4/0 AWG G,H,I,K,M DLO (550/24) 4/0 AWG	120 mm <sup>2</sup>	Red	Purple	19 or L80	15	U31RT (4)	U28RT (2)	W31VT (4) W31RT (4)	W28VT (4) W28RT (4) X28RT (6)	W31VT (4)	W28VT (4) W28RT (4) X28RT (6)	Y/PAT644 (2)	MY29-11 (2) Y/PAT644 (2)
YSR29FX25FXTCKITC	250 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>	Yellow	Pink	16	12	U29RT (4)	U25RT (4)	W29VT (4) W29RT (4) X29RT (8)	W25VT (4) W25RT (4) X25RT (4)	W29VT (4) X29RT (8)	W25VT (4) W25RT (4) X25RT (4)	Y/PAT644 (2)	MY29-11 (2) Y/PAT644 (2)
YSR29FX2CFXTCKITC			#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	Yellow	Brown	16	10	U29RT (4)	U2CRT (2)	W29VT (4) W29RT (4) X29RT (8)	W2CVT (2) W2CRT (2) X2CRT (2)	W29VT (4) X29RT (8)	W2CVT (2) W2CRT (2) X2CRT (2)	Y/PAT644 (2)	Y1MRTC (4) MY29-11 (2) Y/PAT644 (2)
YSR2825FXTCKITC			1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm <sup>2</sup>		Pink		12		U25RT (2)		W25VT (4) W25RT (4) X25RT (4)		W25VT (4) W25RT (4) X25RT (4)		MY29-11 (2) Y/PAT644 (2)
YSR282CFXTCKITC	4/0 AWG Code	-	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm <sup>2</sup>	Purple	Brown	15	10	U28RT (2)	U2CRT (2)	W28VT (4) W28RT (4) X28RT (6)	W2CVT (2) W2CRT (2) X2CRT (2)	W28VT (4) W28RT (4) X28RT (6)	W2CVT (2) W2CRT (2) X2CRT (2)	MY29-11 (2) MRC840 (4) Y/PAT644 (2)	Y1MRTC (4) MY29-11 (2) Y/PAT644 (2)
YSR286CFXTCKITC †			#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm <sup>2</sup>		Blue		7		U5CRT (2)		W5CVT (2) W5CRT (2) X5CRT (2)		W5CVT (2) W5CRT (2) X5CRT (2)		Y1MRTC (4) MY29-11 (2) Y/PAT644 (2)

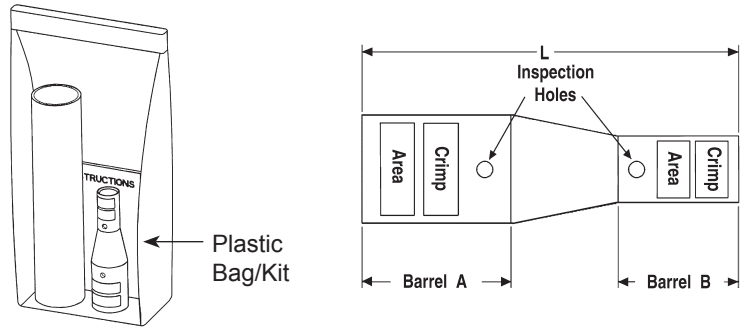
† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

**TYPE YSR-TC**

**INSTALLATION TOOLING CHART**

Long Barrel with Inspection Window  
(Continued)

**Connector with Clear Heat Shrink Kit**  
Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion  
and Cut Test up to 750 kcmil Class B code  
cable; contact factory for 750 flex cable  
applications.



C-181

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic		Hydraulic		Mechanical		Dieless	
	Y750, Y35, Y46*, PAT750, PAT46* Series		Y500CTHS, PAT500 Series		OUR840, MD7-34		Y644 / PAT644 Series, MY29-11, MRC840		Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
	AWG	mm²	AWG	mm²	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR26FX6CFXTCKITC †	2/0 AWG G,H,I,K,M DLO (325/24)	70 mm²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm²	Black	Blue	13	7	U26RT (2)	U5CRT (2)	W26VT (4) W26RT (4) X26RT (4)	W5CVT (2) W5CRT (2) X5CRT (2)	W26VT (4) W26RT (4) X26RT (4)	W5CVT (2) W5CRT (2) X5CRT (2)	MY29-11 (2) Y/PAT644 (2)	Y1MRTC (2) MY29-11 (2) Y/PAT644 (2)
YSR25FX6CFXTCKITC †	1/0 AWG G,H,I,K,M DLO (275/24) 1/0 AWG	50 mm²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm²	Pink	Blue	12	7	U25RT (2)	U5CRT (2)	W25VT (4) W25RT (4) X25RT (4)	W5CVT (2) W5CRT (2) X5CRT (2)	W25VT (4) W25RT (4) X25RT (4)	W5CVT (2) W5CRT (2) X5CRT (2)	MY29-11 (2) Y/PAT644 (2)	Y1MRTC (2) MY29-11 (2) Y/PAT644 (2)
YSR2CFX6CFXTCKITC	#2 AWG G,H,I,K,M DLO (150/24) #2 AWG	35 mm²	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm²	Brown	Blue	10	7	U2CRT (2)	U5CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	W2CVT (2) W2CRT (2) X2CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	Y1MRTC (4) MY29-11 (2) Y/PAT644 (2)	Y1MRTC (2) MY29-11 (2) Y/PAT644 (2)
YSR4CFX6CFXTCKITC	#4 AWG G,H,I,K,M DLO (105/24) #4 AWG	-	#6 AWG G,H,I,K,M DLO (61/24) #6 AWG	16 mm²	Gray	Blue	8	7	U4CRT (2)	U5CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	W4CVT (2) W4CRT (2) X4CRT (2)	W5CVT (2) W5CRT (2) X5CRT (2)	Y1MRTC (4) MY29-11 (2) Y/PAT644 (2)	Y1MRTC (2) MY29-11 (2) Y/PAT644 (2)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

\* Y46 / PAT46 Series require the PUADP-1 adapter for U-Dies.

### TYPE YSR-TC

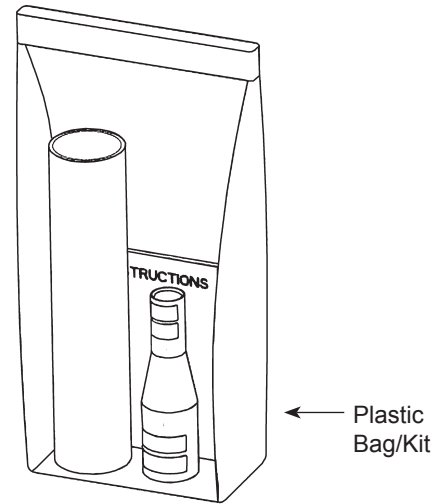
### HYREDUCER™

C-182

### In-Line Reducer Splice Kits

### Long Barrel without Inspection Window

YSR-TC reducing splice kits provide for splicing two different cable sizes with inspection holes. The larger conductor is inserted first and butts against the center of the connector where the smaller barrel begins. Constructed from seamless, high conductivity electrolytic copper tubing for maximum conductivity and tin plated to resist corrosion. The YSR-TC family also features the BURNDY® color code system.

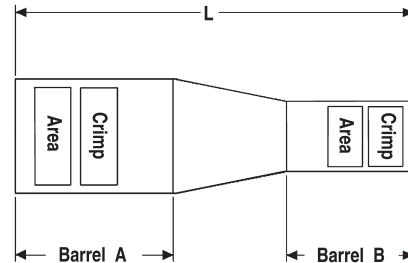


### Features & Benefits

- Each splice kit includes one YSR-TC compression in-line splice reducer connector and heat shrink
- The YSR-TC in-line compression splice reducer connector provided in the kit is UL Listed in accordance with UL 486A-486B - Wire Connectors; UL Listed 90°C up to 35kV
- No inspection window for more corrosive environments as the barrel transition is not open
- Designed configurations allow for Copper Code-to-Code wire connections, Copper Code-to-Flex wire connections, and Copper Flex-to-Flex wire connections; see table for more complete details
- Barrel is designed with a taper to accommodate a main run wire that is reduced to a smaller tap wire
- Barrel also provided with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Connectors are clearly marked with color coding
- Can be used in place of H-taps; the in-line design saves space in cable trays and other similar applications

### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed. Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kmil Class B code cable; contact factory for 750 flex cable applications.



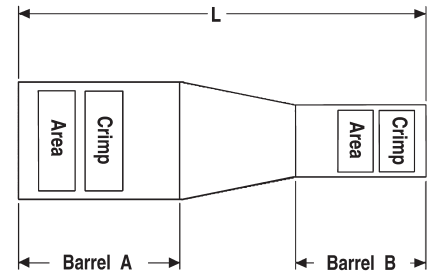
**TYPE YSR-TC**

**HYREDUCER™**

In-Line Reducer Splice Kits

Long Barrel without Inspection Window  
(Continued)

**Connector with Clear Heat Shrink Kit**  
Clear heat shrink UL224 VW1 Listed.  
Passes TELCORDIA GR-347-CORE Abrasion  
and Cut Test up to 750 kcmil Class B code  
cable; contact factory for 750 flex cable  
applications.



C-183

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector								Wire Strip Length	
	Barrel A		Barrel B		Dimensions			Color Code		Die Index			Barrel A	Barrel B
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	L	Barrel A	Barrel B	Barrel A	Barrel B			
YSR44FX38FXKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm <sup>2</sup> Class 5	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	3.22	2.79	6.64	Yellow	Pink	L115	19 or L80	3.09	2.68	
YSR44FX34FXKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	3.22	2.56	6.91		Blue				2.47	
YSR44FX29FXKITC †			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	3.22	2.36	7.38		Yellow				16	2.29
YSR3938FXKITC	750 kcmil Code	-	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	2.82	2.79	5.74	Black	Pink	24	19 or L80	2.71	2.68	
YSR3934FXKITC			350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	2.82	2.56	6.00		Blue				2.47	
YSR3929FXKITC †			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.82	2.36	6.47		Yellow				16	2.29
YSR38FX34FXKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	2.79	2.56	5.83	Pink	Blue	L99	19 or L80	2.68	2.47	
YSR38FX29FXKITC			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.79	2.36	6.30		Yellow				16	2.29
YSR3434FXKITC	500 kcmil Code	240 mm <sup>2</sup>	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	2.56	2.56	5.12	Brown	Blue	20	19 or L80	2.47	2.47	
YSR3429FXKITC			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.56	2.36	5.59		Yellow				16	2.29
YSR34FX29FXKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.56	2.36	5.59	Blue	Yellow	19 or L80	16	2.67	2.29	
YSR3129FXKITC	350 kcmil Code	185 mm <sup>2</sup>	350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	2.42	2.36	4.97	Red	Yellow	18	16	2.34	2.29	

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

# Compression Connections

**BURNDY®**

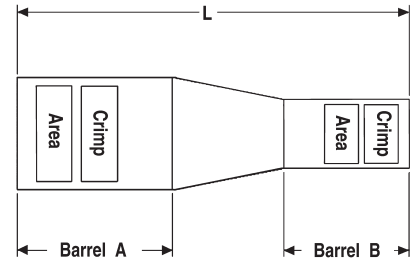
Copper Compression — Reducing Splice Kit — Code/Flex — Long Barrel — No Inspection Window

## TYPE YSR-TC

### INSTALLATION TOOLING CHART

#### Connector with Clear Heat Shrink Kit

Clear heat shrink UL224 VW1 Listed.  
 Passes TELCORDIA GR-347-CORE Abrasion and Cut Test up to 750 kcmil Class B code cable; contact factory for 750 flex cable applications.



C-184

Long Barrel without Inspection Window

(Continued)

Clear Heat Shrink Kit Catalog Number	Wire Size				Connector				Installation Tooling							
	Barrel A		Barrel B		Color Code		Die Index		Hydraulic Y750, Y35, Y46*, PAT750, PAT46* Series		Hydraulic Y500CTHS, PAT500 Series		Mechanical OUR840, MD7-34		Dieless Y / PAT644 Series	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B	Barrel A	Barrel B
YSR44FX38FXKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>		Pink		L99	U44XRT (4)	U38XRT (4)						
YSR44FX34FXKITC	750 kcmil G,H DLO 777 (1925/24)	500 mm <sup>2</sup> Class 5	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	Yellow	Blue	L115	19 or L80	U44XRT (4) •P44XRT (4)	U32RT (4)	-	W32VT (4) W32RT (4)	-	W32VT (4)		Y / PAT644 (2)
YSR44FX29FXKITC †			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-		Yellow		16	U44XRT (4) •P44XRT (4)	U29RT (4)		W29VT (4) W29RT (4) X28RT (8)		W29VT (4) X29RT (8)		
YSR3938FXKITC			500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>		Pink		L99		U38XRT (4)						
YSR3934FXKITC	750 kcmil Code	-	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	Black	Blue	24	19 or L80	U39RT (4) P39RT (4)	U32RT (4)	-	W32VT (4) W32RT (4)	-	W32VT (4)		Y / PAT644 (2)
YSR3929FXKITC †			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-		Yellow		16		U29RT (4)		W29VT (4) W29RT (4) X29RT (8)		W29VT (4) X29RT (8)		
YSR38FX34FXKITC	500 kcmil H,I,K 550 kcmil G,H,I DLO 535 (325/24)	300 mm <sup>2</sup>	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>		Blue		19 or L80		U32RT (4)		W32VT (4) W32RT (4)		W32VT (4)		Y / PAT644 (2)
YSR38FX29FXKITC			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-		Yellow		16	U38XRT (4)	U29RT (4)		W29VT (4) W29RT (4) X29RT (8)		W29VT (4) X29RT (8)		
YSR3434FXKITC	500 kcmil Code	240 mm <sup>2</sup>	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>		Blue		19 or L80		U32RT (4)	W34VT (4) W34RT (4)	W32VT (4) W32RT (4)	W34VT (4)	W32VT (4)		Y / PAT644 (2)
YSR3429FXKITC			350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-		Yellow		16	U34RT (4) U31ART (4)	U29RT (4)		W29VT (4) W29RT (4) X29RT (8)		W29VT (4) X29RT (8)		
YSR34FX29FXKITC	350 kcmil G,H,I,K,M DLO 373 (925/24)	240 mm <sup>2</sup>	350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Blue	Yellow	19 or L80	16	U32RT (4)	U29RT (4)	W32VT (4) W32RT (4)	W29VT (4) W29RT (4)	W32VT (4)	W29VT (4) X29RT (8)		Y / PAT644 (2)
YSR3129FXKITC	350 kcmil Code	185 mm <sup>2</sup>	350 kcmil Flex 4/0 AWG G,H,I,K,M DLO (550/24)	-	Red	Yellow	18	16	U31RT (4)	U29RT (4)	W31VT (4) W31RT (4)	W29VT (4) W29RT (4) X29RT (8)	W31VT (4)	W29VT (4) X29RT (8)		Y / PAT644 (2)

† Provided with 2 heat shrink tubings. One will overlap the other; install the smaller first and larger over it.

• P-RT for use in Y46 / PAT 46 Series tools only.



TYPE YC-L

THIN-WALL COPPER C-TAP

UL Listed 90° C, Up to 35 kV ♦

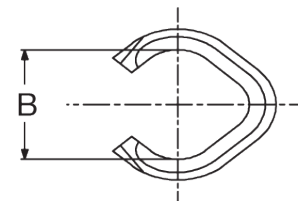
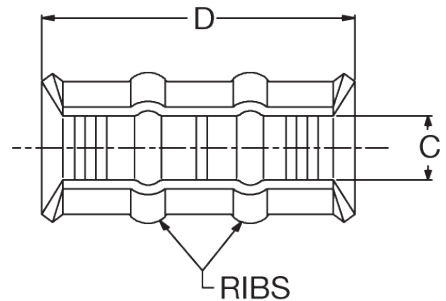
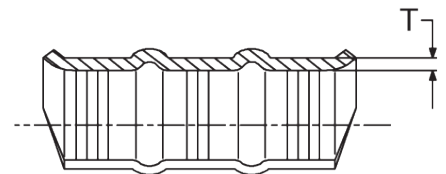
Type YC-L is a thin-wall high conductivity copper connector for making copper tap and parallel connections from #14 to 3/0 AWG. UL Listed and CSA Certified Wire Connector per UL 486A-486B. Direct Burial Rating per UL 467 Grounding and Bonding Connector.



C-185

Features & Benefits

- Bare copper range taking C-tap that allows for less inventory as one C-tap can accommodate a multitude of wire combinations
- Reinforced ribs on the outside of the C-tap increases the mechanical holding strength of the connection
- Creates a compact connection that allows for easy taping and insulating
- Connectors include a color dot to ensure proper die and installation tooling is selected
- Manufactured from high conductivity wrought copper provind low resistance for excellent electrical conductivity
- Connectors are clearly marked with stamping and color dot
- UL Listed CSA Certified Wire Connectors per UL 486A-486B
- 4 Sizes are Listed for Grounding and Bonding per UL 467 for Direct Burial in Earth or concrete



## TYPE YC-L

### THIN-WALL COPPER C-TAP



C-186

UL Listed 90° C, Up to 35 kV ♦  
(Continued)



Catalog Number	Copper Conductor AWG ‡		No. of Ribs	Dimensions				Color Code	Installation Tooling						Wire Strip Length
									Mechanical			Hydraulic			
									Y122CMR Y1MRTC	MD6, OUR840 & MD7- 34R	Die ▲ Index Embossment	PATMD6, PAT600, Y500CT (# crimps)	Y35, Y39, Y750, Y45, Y46* (# of crimps)	Die ▲ Index Embossment	
Run	Tap	B	C	D	T	Die No. (# crimps)									
YC8L12	10 8	10 12	0	0.25	0.21	0.60	0.07	Blue	Blue (1)	W5CVT (1)	7	—	—	—	5/8
YC6L12	8 6	10-8 12-10	0	0.33	0.25	0.60	0.07	Gray	Gray (2)	W4CVT (1)	8	—	—	—	5/8
YC4L12	6 5,4	8-6 12-8	1	0.39	0.28	1.18	0.07	Brown	Brown (2)	W2CVT (2)	10	WC4 (1)	UC4 (1)	10M	1-3/16
YC3L12**	5,4 3	6-5 12-6	1	0.46	0.27	1.18	0.08	Green	—	W1CVT (2)	11	—	—	—	1-3/16
YC2L12	4 3 2	4 5 12-6	1	0.50	0.36	1.18	0.08	Pink	—	W25VT (2)	12	WC2 (1)	UC2 (1)	12M	1-3/16
YC1L12	3 2 1	4-3 5-4 12-5	2	0.55	0.34	1.75	0.08	Black	—	W26VT (3)	13	WC1 (2)	UC1 (1)	13M	1-13/16
YC25L12	2 1/0	12-4	2	0.62	0.42	1.75	0.09	Orange	—	W27VT (3)	14	WC25 (2)	UC25 (1)	14M	1-13/16
YC26L12	1 1/0 2/0	2-1 3-2 12-3	2	0.69	0.43	1.75	0.09	Purple	—	W28VT (3)	15	—	UC26 (1)	15	1-13/16
YC27L12	1/0 2/0 3/0	1-1/0 2-1 12-2	2	0.81	0.48	1.75	0.09	Yellow	—	W29VT (3)	16	—	—	—	1-13/16

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

‡ Refer to website for sales drawing with complete listing with solid/stranded copper conductor

\* Use PUADP-1 adapter with U dies in Y46 HYPRESS™  
For Tin plating add TN suffix (example = YC10L12TN)

Note: All dimensions shown are for reference only.

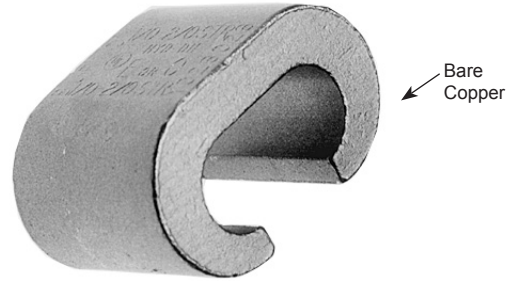
\*\* YC3L12 is NOT UL Listed or CSA Certified for Grounding and Bonding.

TYPE YC-C

COPPER CRIMPIT™

UL Listed 90° C, Up to 35 kV ♦

Type YC-C copper CRIMPIT™ connector is a range-taking C shape compression connector for making tap or parallel copper connections from #12 sol. to 4/0 strand conductor.

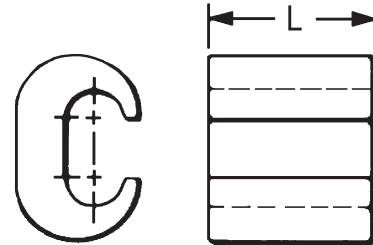


C-187



Features & Benefits

- Bare copper standard (tin plated available)
- Range taking C-tap that allows for less inventory as one C-tap can accommodate a multitude of wire combinations
- Creates a compact connection that allows for easy taping and insulating
- Manufactured from high conductivity wrought copper providing low resistance for excellent electrical conductivity
- Connectors are clearly marked with stamping



Copperweld-Copper Conductors

- 8A - Use CRIMPIT™ accommodating 6 str. Copper
- 6A - Use CRIMPIT™ accommodating 4 Str. Copper
- 4A - Use CRIMPIT™ accommodating 2 Str. Copper
- 2A - Use CRIMPIT™ accommodating 1/0 and 2/0 Copper

Catalog Number	Run	Tap	L	▲ Die Index	Tools, Die Set, Catalog Number, and (‡No. of Crimps) ▲			CRIMPIT™ for 1 Str. Copper	
					MD6	OUR840	Y35, Y750, Y45, Y46*	Run	Tap
YC10C10 †	12 Sol.-10 Str.	12 Sol.- 10 Str.	.32	238	W238 (1)	W238 (1)	U238 (1)	—	—
YC8C8	8 Sol.-8 Str.	10 Sol.- 8 Str.	.50	162	W162 (2)	W162 (2)	U162** (1)	—	—
YC4C8	6 Sol.-4 Str.	8 Sol.- 8 Str.	.62	BG or 5/8	BG (2) W-BG** (1)	XBG (2) XNBG (2)	U-BG (1)	—	—
YC4C6		6 Sol.- 6 Str.	.57						
YC4C4		6 Sol.- 4 Str.							
YC2C4	4 Sol.-2 Str.	8 Sol.- 4 Str.	.67	C	W-C (2)	—	U-C (1)	1 Str. §	6, 8 Str., 8 Sol.
YC2C2	2 Sol.-2 Str.	2 Sol.- 2 Str.						—	—
YC26C2	1/0 Sol.-2/0 Str.	8 Sol.- 2 Str.	.92	E or O	—	—	U-E (3)	1 Str. §	1 or 2 Str.
YC26C26		1/0 Sol.- 2/0 Str.					U-O (1)	—	—
YC28C2	3/0 Sol.-4/0 Str.	6 Sol.- 2 Str.	1.07	F or D3	—	—	U-F (3) U-D3** (1)	—	—
YC28C26		1/0 Sol.- 2/0 Str.							
YC28C28		3/0 - 4/0 Str.							

† Not UL Listed.

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

§ Not UL Listed or CSA Certified with this conductor size in run.

\* Use PUADP-1 adapter when using U dies in the Y46 HYPRESS™.

\*\* Multiple crimp die set. Makes more than one crimp per tool compression. Figure ( ) indicates number of compressions.

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

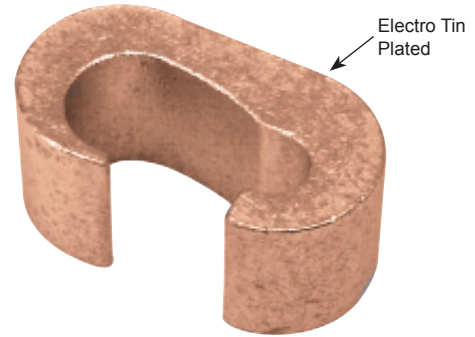
Note: All dimensions shown are for reference only.

### TYPE YCHC

### C-TAP COPPER CRIMPIT™

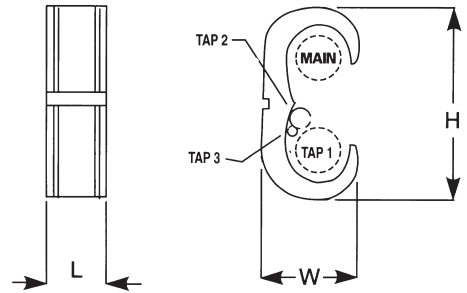
C-188

UL Listed 90° C, Up to 35 kV ♦



### Features & Benefits

- Range taking C-Tap that allows for less inventory as one C-tap can accommodate a multitude of wire combinations
- Accommodates a wide range of run/tap combinations
- Manufactured from high conductivity wrought copper providing low resistance for excellent electrical conductivity
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Each connector has a recommended UL Listed / CSA Certified insulating cover available in both black and clear (see table below); clear cover allows for easy inspection of the connection (see separate page for details on Type CCF-FR and CFR-FR Covers)
- Connectors clearly marked with color coding



BURNDY Catalog Number	Flame Retardant Cover		Conductor Sizes Code/(Flex) Cable				▲ Tooling († No. of Crimps)						▲ Die Index & Embossment	H	W	L	Strip Length	
	Clear Cat. No.	Black Cat. No. ‡	Main	Tap 1	Tap 2	Tap 3	Y35	†	Y750	†	Y46*	†						Color Code
YCHC44TC44	CCFR-FR	CFR-FR	1000-750 (750-500)	1000-750 (750-500)	—	—	—	—	—	—	P1102	1	White	1102	3.59	1.73	1.16	1-1/4"
YCHC39TC39	CCFR-FR	CFR-FR	750-500 (550-500)	750-350 (550-350)	—	—	—	—	—	—	P1103	1	Blue	1103	3.12	1.53	1.06	1-1/8"
YCHC39TC31	CCFR-FR	CFR-FR	750-500 (550-500)	350-2 (250-2)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	—	P1103	1	Blue	1103	2.96	1.53	1.31	1-3/8"
YCHC39TC2	CCFR-FR	CFR-FR	750-500 (550-500)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	—	—	P1103	1	Blue	1103	2.66	1.53	1.31	1-3/8"
YCHC34TC34	CCFN-FR	CFN-FR	500-4/0 (350-4/0)	500-4/0 (350-4/0)	—	—	—	—	—	—	U1104	2	Brown	1104	2.97	1.38	1.00	1-1/4"
YCHC34TC29	CCFN-FR	CFN-FR	500-4/0 (350-4/0)	250-2 (4/0-2)	2-6 Str./Sol. (2-8)	—	—	—	—	—	U1104	2	Brown	1104	2.45	1.26	0.88	1"
YCHC34TC2	CCFN-FR	CFN-FR	500-4/0 (350-4/0)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	—	—	U1104	2	Brown	1104	2.45	1.26	0.94	1"
YCHC29TC29	CCFDXFR	CFD-FR	250-2 (4/0-2)	250-2 (4/0-2)	—	—	—	—	—	—	U997	1	Orange	997	2.12	.98	0.94	1"
YCHC29TC2	CCFD-FR	CFD-FR	250-2 (4/0-2)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	—	—	U251	1	Red	251	1.78	.97	0.81	1"
YCHC2TC2	CCFO-FR	CFO-FR	2-6 Str./Sol. (2-8)	2-6 Str./Sol. (2-8)	8-14 (8-14)	—	—	—	—	—	U-C	1	Brown	C	1.22	.60	0.81	1"
YCHC8TC8	♦	♦	8-12 (8-12)	8-12 (8-12)	—	—	—	—	—	—	U-240	1	Red	240	0.53	.35	0.56	5/8"

Note: To properly use tap 2 and/or tap 3 conductors in YCHC connector a conductor from the tap 1 cable range must be included in the tap 1 groove.

‡ To obtain covers made of polyethylene remove suffix-FR (example: CFO). CFO is not flame retardant.

\* Use PUADP-1 adaptor with U dies in Y46.

▲ See tooling section of Master Catalog for complete tool and die listings.

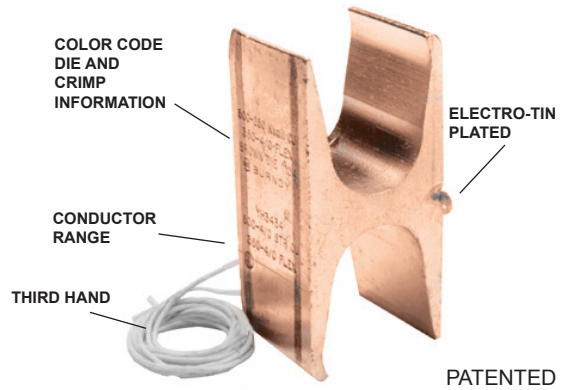
♦ For applications requiring flame retardant cover, use either a CCFBG-FR (Clear) or CFBG-FR (Black) cover and YH2C2C connector by ordering YH8C8CWCC (Clear) or YH8C8CWC (Black).

Note: All dimensions shown are for reference only.

TYPE YH

H-TAP COPPER CRIMPIT™

UL Listed 90° C, Up to 35 kV ♦



C-189

Features & Benefits

- Range taking H-tap that allows for less inventory as one H-tap can accommodate a multitude of wire combinations
- Accommodates a wide range of run / tap combinations
- The tap grooves act independently; the use of one run and one tap wire is required when using this connector for making a connection
- Designs with more than one tap wire groove require installers to utilize only the run and one tap groove; the other tap grooves can be left empty
- The “third hand” is a string provided with the H-tap connector used to wrap the wire while being inserted into the run and tap grooves; this feature constrains the wire while the installer applies the recommended number of crimps
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Each connector has a recommended UL Listed / CSA Certified insulating cover available in both black and clear (see table below); clear cover allows for easy inspection of the connection (see separate page for details on Type CCF-FR and CFR-FR Covers)
- Connectors clearly marked with color coding to ensure proper die and installation tooling is selected

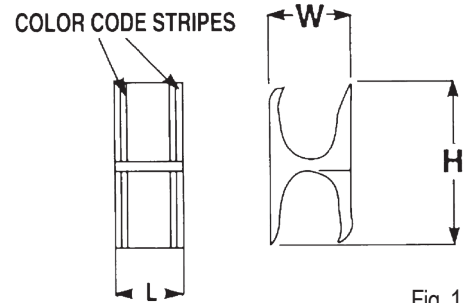


Fig. 1

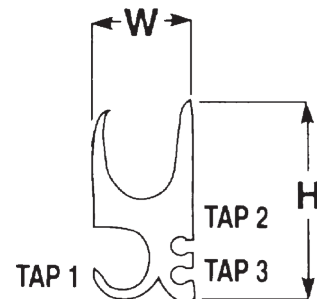


Fig. 2

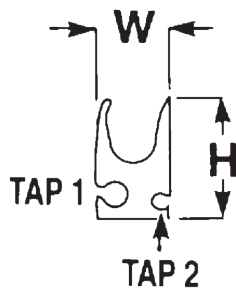


Fig. 3

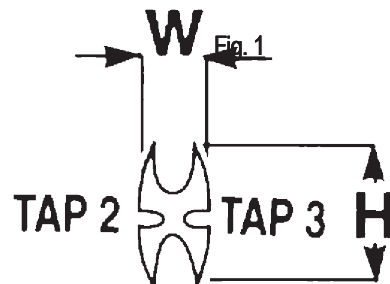


Fig. 4

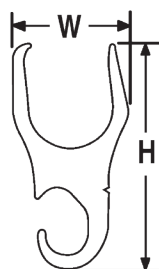


Fig. 5

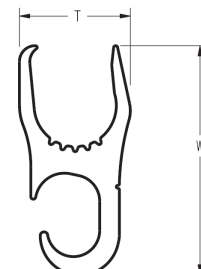


Fig. 6

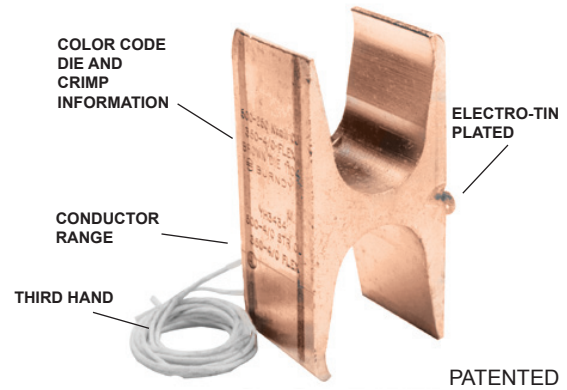
## TYPE YH

### H-TAP COPPER CRIMPIT™

C-190

UL Listed 90° C, Up to 35 kV ♦

(Continued)



**TABLE 1 CODE CONDUCTOR AND METRIC EQUIVALENT**

H-Tap Connector	Kit Catalog Number		Conductor Sizes Code/(Flex Cable)					Metric Conductor Sizes (mm <sup>2</sup> )			
	Flame Retardant Cover		Fig. No.	Main	Tap 1	Tap 2	Tap 3	Main	Tap 1	Tap 2	Tap 3
	Clear	Black ‡									
YH4444	YH4444WCC	YH4444WC	1	1000-750 (750-500) (750)	1000-750 (750-500) (750)	—	—	500-400	500-400	—	—
YH4434	YH4434WCC*	YH4434WC	6	1000-750 (750-500) (750)	1000-750 (750-500) (350)	—	—	1000-750 (777-500) (777-750)	500-350 (350 FX)	—	—
YH4429	YH4429WCC	YH4429WC	5	1000-750 (777-500)	250-2 (4/0-2)	—	—	500-400	150-35	—	—
YH3939	YH3939WCC	YH3939WC	1	750-500 (550-500)	750-350 (550-313)	—	—	300-300	300-185	—	—
YH3931	YH3931WCC	YH3931WC	2	750-350 (550-500)	4/0-1/0 (250-1/0)	1-6 Str/Sol (1-8)	2-14 (2-14)	300-185	95-70	35-16	35-2.5
YH3434	YH3434WCC	YH3434WC	1	500-250 (350-4/0)	500-4/0 (350-4/0)	—	—	240-150	240-120	—	—
YH3429	YH3429WCC	YH3429WC	2	500-4/0 (350-4/0)	250/1/0 (4/0-1/0)	1-6 Str/Sol (1-8)	8-14 (8-14)	240-120	120-70	35-16	6-2.5
YH2929	YH2929WCC	YH2929WC	1	250-2 (4/0-2)	250-2 (4/0-2)	—	—	120-35	120-35	—	—
YH292C	YH292CWCC	YH292CWC	3	250-2 (4/0-2)	2-6 Str/Sol (2-8)	8-14	—	120-35	35-16	6-2.5	—
YH298C	YH298CWCC	YH298CWC	3	250-2 (4/0-2)	8-14	8-14	—	120-35	6-2.5	6-2.5	—
YH2C2C	YH2C2CWCC	YH2C2CWC	4	2-6 Str/Sol (2-8)	2-6 Str/Sol (2-8)	8-14	8-14	35-16	35-16	6-2.5	6-2.5
YH6C6C	YH6C6CWCC	YH6C6CWC	1	6-10 (6-10)	6-14 (6-14)	—	—	10-6	10-2.5	—	—
YH8C8C	YH8C8CWCC	YH8C8CWC	4	8-14 (8-14)	8-14 (8-14)	—	—	6-2.5	6-2.5	—	—

• Use PUADP-1 adaptor with U dies in Y46.

\* Not CSA Certified.

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

**Note:** All H-Taps ROHS compliant.

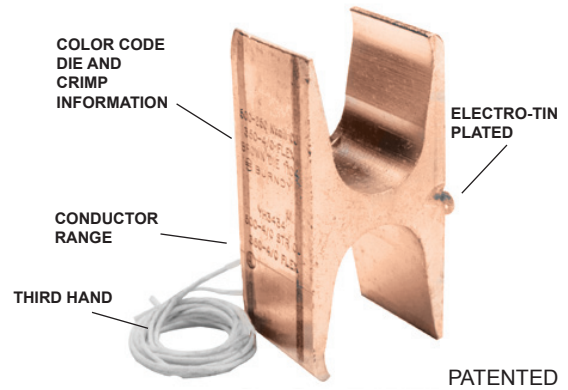
**Note:** All dimensions shown are for reference only.

TYPE YH

H-TAP COPPER CRIMPIT™

UL Listed 90° C, Up to 35 kV ♦

(Continued)



C-191

TABLE 2 FLEX AND METRIC CONDUCTOR RANGES

Catalog Number		Maximum Conductor in Range		Diameter mm	Minimum Conductor in Range		Diameter mm
		Flex Conductor (AWG/kcmil)	Maximum Metric Dimensions mm <sup>2</sup>		Flex Conductor (AWG/kcmil)	Minimum Metric Dimensions mm <sup>2</sup>	
YH4444	Main	777	393	28	500	253	24
	Tap 1	777	393	28	500	253	24
	Main	777	393	28	750	380	31
YH4434	Tap 1	—	—	—	350	177	20
YH4429	Main	777	393	28	500	253	24
	Tap 1	4/0	107	15.5	2	33.6	8
YH3939	Main	550	278	25	500	253	24
	Tap 1	550	278	25	2	177	20
YH3931	Main	550	278	25	500	253	24
	Tap 1	250	126	17	1/0	53.5	11
	Tap 2	1	42	9	8	8	4
	Tap 3	2	33.6	8	14	2	2
YH3434	Main	350	177	20	4/0	107	15.5
	Tap 1	350	177	20	4/0	107	15.5
YH3429	Main	350	177	20	4/0	107	15.5
	Tap 1	4/0	107	15.5	1/0	53	11
	Tap 2	1	42	9	8	8	4
	Tap 3	8	8	4	14	2	2
YH2929	Main	4/0	107	15.5	2	33.6	8
	Tap 1	4/0	107	15.5	2	33.6	8
YH292C	Main	4/0	107	15.5	2	33.6	8
	Tap 1	2	33.6	8	8	8	4
	Tap 2	8	8	4	14	2	2
YH298C	Main	4/0	107	15.5	2	33.6	8
	Tap 1	8	8	4	14	2	2
	Tap 2	8	8	4	14	2	2
YH2C2C	Main	2	33.6	8	8	8	4
	Tap 1	2	33.6	8	8	8	4
	Tap 2	8	8	4	14	2	2
	Tap 3	8	8	4	14	2	2
YH6C6C	Main	6	13	5	10	5	3
	Tap 1	6	13	5	14	2	2
YH8C8C	Main	8	8	4	14	2	2
	Tap 1	8	8	4	14	2	2

• Use PUADP-1 adaptor with U dies in Y46.

\* Not CSA Certified.

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

Note: All H-Taps ROHS compliant.

Note: All dimensions shown are for reference only.

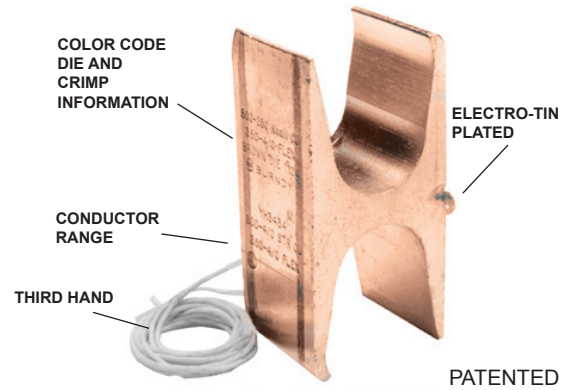
## TYPE YH

### H-TAP COPPER CRIMPIT™

C-192

UL Listed 90° C, Up to 35 kV ♦

(Continued)



**TABLE 3 INSTALLATION TOOLING + DIMENSIONS**

Catalog Number	Kit Catalog Number		▲ Tooling († No. of Crimps)								▲ Die Index & Embossment	H	W	Length	Strip Length
	Flame Retardant Cover		Fig. No.	Y35	†	Y750	†	Y46	†	Color Code					
	Clear	Black ‡													
YH4444	YH4444WCC	YH4444WC	1	—	—	—	—	P1102	1	White	1102	3.38	1.70	24	1-1/8
YH4434	YH4434WCC*	YH4434WC	6	—	—	—	—	P1102	1	Yellow	KR	3.38	1.70	1.00	1-3/8
YH4429	YH4429WCC	YH4429WC	5	—	—	—	—	PYFR	1	Yellow	KR	3.22	1.70	1.00	1-3/8
YH3939	YH3939WCC	YH3939WC	1	—	—	—	—	PYFR	1	Yellow	KR	2.97	1.50	1.25	1-3/8
YH3931	YH3931WCC	YH3931WC	2	—	—	—	—	PYFR	1	Yellow	KR	2.97	1.50	0.95	1-1/16
YH3434	YH3434WCC	YH3434WC	1	—	—	U1104M U1104	1 2	P1104 U1104M	1	Brown	1104	2.43	1.15	1.00	1-1/8
YH3429	YH3429WCC	YH3429WC	2	—	—	U1104M U1104	1 2	P1104 U1104M	1	Brown	1104	2.23	1.31	1.00	1-1/8
YH2929	YH2929WCC	YH2929WC	1	—	—	U654	1	U654 P654	1	Purple	654	1.85	.90	0.90	1-1/16
YH292C	YH292CWCC	YH292CWC	3	—	—	U654	1	U654 P654	1	Purple	654	1.52	.90	0.90	1-1/16
YH298C	YH298CWCC	YH298CWC	3	—	—	U654	1	U654 P654	1	Purple	654	1.52	.90	0.90	1-1/16
YH2C2C	YH2C2CWCC	YH2C2CWC	4	U-C	1	U-C	1	U-C	1	Brown	C	1.25	.60	0.75	7/8
YH6C6C	YH6C6CWCC	YH6C6CWC	1	UBGRT	1	UBGRT	1	UBGRT	1	Orange	BG	0.81	.39	0.60	3/4
YH8C8C	YH8C8CWCC	YH8C8CWC	4	U11T-1	1	U11T-1	1	U11T-1	1	Green	11	0.63	.40	0.60	3/4

• Use PUADP-1 adaptor with U dies in Y46.

\* Not CSA Certified.

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

Note: All H-Taps ROHS compliant.

Note: All dimensions shown are for reference only.



TYPE CF-FR

H-TAP — FLAME RETARDANT COVER

UL Listed 90° C, Up to 600 Volts



C-193

Features & Benefits

- Insulation cover that has a one-piece hinge design so no extra hardware is required
- After an H-tap connection is made, the appropriate CF-FR cover can be used to slip over the connection and latches securely shut
- The use of the insulation cover eliminates the need to tape the connection making this solution a fast and reliable method of insulating
- Flash Barrier; the cover is designed to protect against electrical flashover
- Type CF-FR cover material has a UL94 V-O Flame rating with a minimum 28 oxygen index that indicate self-extinguishing retardant properties
- Covers are clearly marked with lettering

Catalog Number	Max. Conductor Accommodated	Matched H Copper CRIMPIT™	Max. Connector Length	Connector Color Code
CFBG-FR	#8 AWG	YH8C8C	0.65	Green
	#6 AWG	YH6C6C	0.65	Orange
CFO-FR	#2 AWG	YH2C2C	0.80	Brown
CFD-FR	250 kcmil	YH292C, YH298C, YH2929	0.95	Purple
CFN-FR	500 kcmil	YH3434, YH3429*	1.10	Brown
CFR-FR	750 kcmil	YH3939, YH3931, YH4429	1.30	Yellow
	1000 kcmil	YH4434, YH4444	1.10	White

\* Use CFN-FR for single tap installation; use CFR-FR when 2 or more tap conductors are installed.

† Two-piece design packaged together.

Note: All dimensions shown are for reference only.

## TYPE CFA-FR

### H-CRIMPIT™



C-194

## FLAME RETARDANT INSULATING COVERS

### FOR O, D3, N, AND KR DIE SIZE H-TAP COMPRESSION CONNECTORS



UL Listed to 600 Volts

Type CFA-FR flame retardant insulating covers are made of high impact, high density polypropylene with a minimum 28 oxygen index. This cover has the benefit of self-extinguishing flame retardant properties. Material is UL 94V-O rated. Overlapping flash barriers protect both seams against possible electrical flashover. End fingers remain closed or wrap closely around conductors. Multiple latches lock cover closed securely. Type CFA-FR covers are suitable for indoor and outdoor use. Pliable in cool weather application.

### Features & Benefits

- Insulating cover that has a one-piece hinge design so no extra hardware required
- After an H-CRIMPIT™ connection is made the appropriate cover can be used to slip over the connection and latches securely shut
- The use of the insulating cover eliminates the need to tape the connection, making this solution a fast and reliable method of insulating
- The cover is designed to provide a flash barrier and protect against electrical flashover
- UL Listed, CSA Certified insulating cover; 600 volts max, 90°C
- Polypropylene material has a V-O flame rating per UL 94
- Covers are clearly marked with lettering

Catalog Number	Max. Conductor Accommodated	Insulated H-Tap CRIMPIT™ Connectors	Max. Conductor Length	Connector Die Index	Connector Color Code
CFAO-FR	1/0	YFO140	2-1/2"	O	Green
CFAD-FR	4/0	YFD265, YFD365, YFD415	3-1/8"	D	Blue
CFAN-FR	500 kcmil	YFN515, YFN565	2-1/2"	N-Short Connector	Red
CFANL-FR	500 kcmil	YFN465, YFN540, YFN615	5-1/2"	N-Long Connector	Red
CFAR-FR*	900 kcmil	YFR715, YFR765, YFR815, YFR865, YFR915	4-7/8"	KR	Yellow

\* Two piece design packaged together.

Note: All dimensions shown are for reference only.

TYPE CCF-FR

CLEAR H-TAP — FLAME RETARDANT COVER

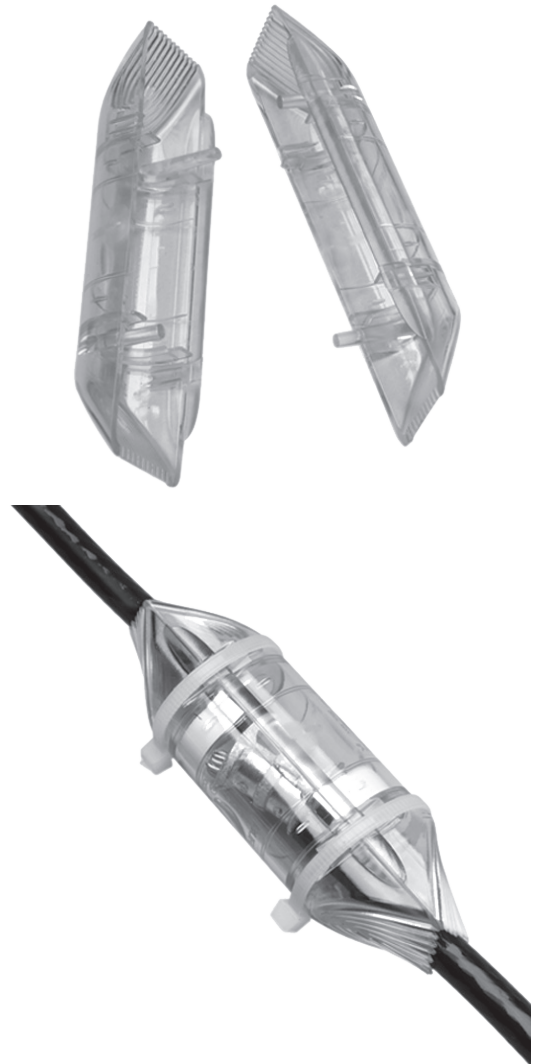
UL Listed 90° C, Up to 600 Volts



C-195

Features & Benefits

- Insulation cover that has a two-piece design with positive locking latch to ensure correct installation; prevents opening after installation
- After an H-tap connection is made, the appropriate Type CCF-FR cover can be used to slip over the connection and latch securely shut
- Embedded magnifying lens in the cover provides increased visibility of the H-tap die embossment on the connector made by the required installation tooling; this allows for improved visibility during a connection inspection
- Made of polished clear polycarbonate material that provides:
  - High visibility for inspection of installed H-tap connection
  - Built-in channels on the outside of the covers accommodate and hold cable ties, hook and loop ties, or waxed cord security in place after cover installation
  - Patented highly flexible fingers on each covers are designed to contour around the wire
  - Internal pockets designed to accommodate identification tags (4 ID tags included)
  - UL94 V-O Flame rating indicating self-extinguishing retardant properties
- The use of the insulation cover eliminates the need to tape the connection making this solution a fast and reliable method of insulating
- Molded barrier prevents installed H-tap connectors from electrical flashover
- Covers come with two (2) clear cover halves, two (2) cable ties, and four (4) identification tags
- Covers are clearly marked with lettering



Catalog Number	Max. Conductor Accommodated	Matched H Copper CRIMPIT™	Max. Connector Length	Connector Color Code
CCFBG-FR	#8 AWG	YH8C8C	0.65	Green
	#6 AWG	YH6C6C	0.65	Orange
CCFO-FR	#2 AWG	YH2C2C	0.80	Brown
CCFD-FR	250 kcmil	YH292C, YH298C	0.95	Purple
CCFDX-FR	250 kcmil	YH2929	0.95	Purple
CCFN-FR	500 kcmil	YH3434, YH3429*	1.10	Brown
CCFR-FR	750 kcmil	YH3939, YH3931, YH4429	1.30	Yellow
	1000 kcmil	YH4434, YH4444	1.10	White

\* Use CCFN-FR for single tap installation; use CCFR-FR when 2 or more tap conductors are installed. **Note:** All dimensions shown are for reference only.

### TYPES YSH

#### H COPPER CRIMPIT™

C-196

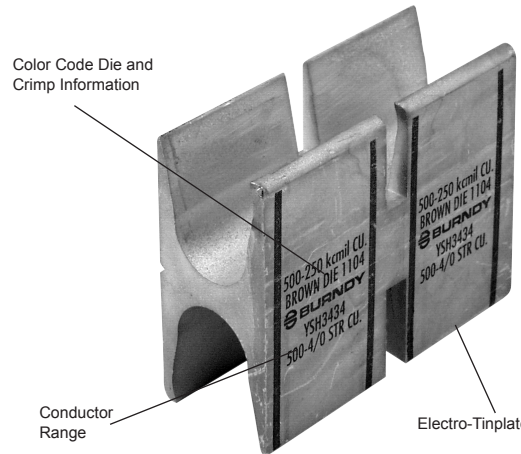
### COPPER SPLIT COMPRESSION WYE TAP CONNECTOR

The YSH heavy duty connectors are designed for insulated underground wye splices. The split H copper CRIMPIT™ connector is longer than our standard H copper CRIMPIT™ and is suitable for use on high voltage (15kV) power cables with copper conductors. The connectors cannot be used with oil filled or mass impregnated cables since no oil stop is provided. The connector is installed with standard BURNDY® HYPRESS™ tools and is made of tin-plated copper.

Color Code Die and Crimp Information

Conductor Range

Electro-Tinplated



### Features & Benefits

- Range taking H-tap that allows for less inventory as one H-tap can accommodate a multitude of wire combinations
- Accommodates a wide range of run / tap combinations
- The tap grooves act independently; the use of one run and one tap wire is required when using this connector for making a connection
- Manufactured from high conductivity wrought copper providing low resistance for excellent electrical conductivity
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Color coded to ensure proper die and installation tooling is selected
- Insulation is not provided; insulation may be obtained from Raychem (800-272-9243) Type HVSU Splice Kits for 15kV installations; a complete IEEE 404 15kV installation is provided

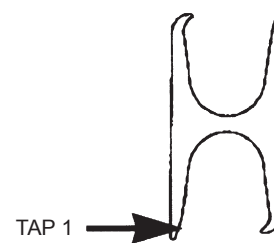
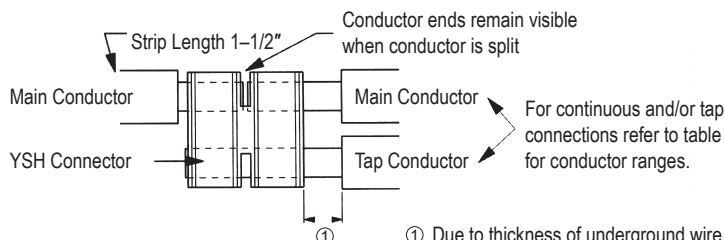


Fig. 1



① Due to thickness of underground wire insulation the minimum recommended strip length from the connector edge is 1 inch.

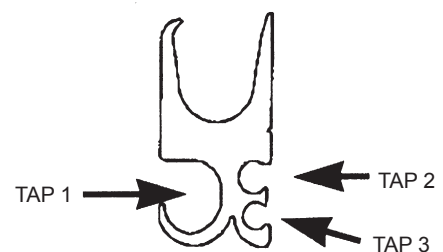


Fig. 2

TYPES YSH

H COPPER CRIMPIT™

COPPER SPLIT COMPRESSION WYE TAP CONNECTOR

(Continued)

Color Code Die and Crimp Information

Conductor Range

Electro-Tinplated

C-197

Expanded Tap 1 Components	
Expanded Catalog Number	Tap 1 Range
YSH-292C-E	#2 Str.
YSH-2925-E	1/0 Str.

Catalog Number	Fig. #	Conductor Sizes Code Expanded Tap 1 (Flex Cable)				Y750	†	Y46*	†	Color Code	Die Index ▲ & Embossment	H	W	L	Wire Strip Length
		AWG	Tap 1	Tap 2	Tap 3										
YSH2929	1	250 kcmil - #2 AWG (4/0 - 2)	250 kcmil - #2 AWG (4/0 - 2)	-	-	U654	4	P654	2	Purple	654	1.85 in	0.90 in	3.00 in	1 1/2
YSH3429	2	500 kcmil - 4/0 AWG (350 - 4/0)	250 kcmil - 1/0 AWG (4/0 - 1/0)	#1- #6 AWG (1 - 8)	#8- #14 AWG (8 - 14)	U1104	4	P1104	2	Brown	1104	2.23 in	1.31 in	3.00 in	1 1/2
YSH3434	1	500- 250 kcmil (350 - 4/0)	500 kcmil- 4/0 AWG (350 - 4/0)	-	-	U1104	4	P1104	2	Brown	1104	2.43 in	1.15 in	3.00 in	1 1/2
YSH3931	2	750 - 350 kcmil (550 - 500)	4/0 - 1/0 AWG (350 - 1/0)	#1-#6 AWG (1 - 8)	#2-#14 AWG (2 - 14)	-	-	PYFR	2	Yellow	KR	2.97 in	1.50 in	3.00 in	1 1/2
YSH3939	1	750 - 500 kcmil (550 - 500)	750 - 350 kcmil (550 - 350)	-	-	-	-	PYFR	2	Yellow	KR	2.97 in	1.50 in	3.00 in	1 1/2

\* Use PUADP-1 adaptor with U dies in Y46. The Y46 and P dies result in a smooth crimp surface and is recommended for voltages above 600 V.

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

† Number of crimps per connector. U dies require double crimps.

Note: All dimensions shown are for reference only.

### TYPE YST

### UNINSULATED T-COUPLER

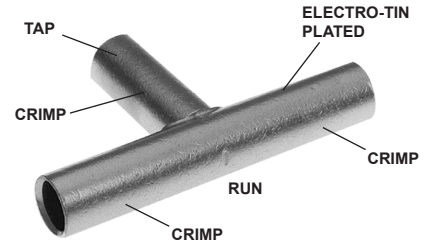
### COPPER HYTEE™ COUPLER

C-198



UL Listed 90° C, Up to 35 kV ♦

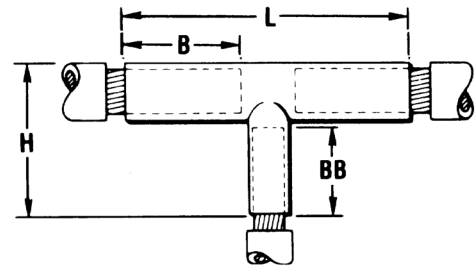
Type YST copper compression tee is designed for connecting a run conductor with a perpendicular tap conductor.



YST connectors are commonly used in junction boxes and manholes to make a radial tap off a main run. They are needed in many industrial, utility generation and commercial applications. The most common cable combinations are listed below. BURNDY® Type Y-R reducers can be used to accommodate most cable combinations.

### Features & Benefits

- Manufactured from high conductivity electrolytic copper tubing with heavy wall thickness, Type YST T-couplers provide low resistance for excellent electrical conductivity
- Featuring long barrel length for all three wire accommodating barrels allows for an increased number of crimps increasing the mechanical strength of the connection while allowing the connection to operate at a lower temperature rating; additionally, the long barrel permits the use of the Type Y-R reducing adapters
- Accommodates a wide range of run / tap combinations
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked



Catalog Number	Code ● Conductors		Dimensions				Dieless (# of crimps)	Installation Tooling ▲						Wire Length	
								Run Conductors			Tap Conductors				
	Run	Tap	B	BB	H	L		Y35, ▲ 739, Y750, Y46*	Y35, ▲ 739, Y750, Y46*	Die Number (# of crimps)	Color Code	Die Index ▲	Run	Tap	
YST4C4C	4 str.	4 str.	1.12	1.38	1.72	3.25	Y / PAT 644 (1) Y / PAT81KFT (1)	U4CRT (2)	Gray	8	U4CRT (2)	Gray	8	1-3/16"	1-3/16"
YST2C2C	2 str.	2 str.	1.25	1.56	1.98	3.56		U2CRT (2)	Brown	10	U2CRT (2)	Brown	10	1-5/16"	1-5/16"
YST2525	1/0 str.	1/0 str.	1.38	1.56	1.91	3.81		U24RT (2)	Pink	12	U25RT (2)	Pink	12	1-7/16"	1-7/16"
YST2626	2/0 str.	2/0 str.	1.50	1.67	2.18	3.94		U26RT (2)	Black	13	U26RT (2)	Black	13	1-9/16"	1-9/16"
YST282C	4/0 str.	2 str.	1.62	1.50	2.12	3.94		U28RT (2)	Purple	15	U2CRT (2)	Brown	10	1-11/16"	1-5/16"
YST2825	4/0 str.	1/0 str.	1.62	1.56	2.25	4.00	—	U28RT (2)	Purple	15	U25RT (2)	Pink	12	1-11/16"	1-5/8"
YST2828	4/0 str.	4/0 str.	1.62	1.75	2.44	4.19		U28RT (2)	Purple	15	U28RT (2)	Purple	15	1-11/16"	1-13/16"
YST2929	250 kcmil	250 kcmil	1.62	1.78	2.53	4.25		U29RT (2)	Yellow	16	U29RT (2)	Yellow	16	1-11/16"	1-11/16"
YST3131	350 kcmil	350 kcmil	2.00	2.25	3.12	5.50		U31RT (4)	Red	18	U31RT (4)	Red	18	2"	2"
YST3428	500 kcmil	4/0 str.	2.25	1.75	2.81	5.81	Y / PAT 644 (2) Y / PAT81KFT (2)	U34RT (4)	Brown	20	U28RT (2)	Purple	15	2-5/16"	1-11/16"
YST3434	500 kcmil	500 kcmil	2.25	2.70	3.76	6.19		U34RT (4)	Brown	20	U34RT (4)	Brown	20	2-5/16"	2-5/16"
YST3939	750 kcmil	750 kcmil	2.88	3.34	4.64	8.12		U39RT (4)	Black	24	U39RT (4)	Black	24	2-15/16"	2-15/16"

\* Use adapter PUADP-1 with U Dies in Y46 HYPRESS™.  
 ■ The maximum size for the Y35 is 400 kcmil.

● Contact factory for conductor combinations not shown.  
 ▲ 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.  
 Note: All dimensions shown are for reference only.

TYPES YA-A AND YA-A-TN

HYLUG™

UNINSULATED ALUMINUM COMPRESSION TERMINAL

FOR ALUMINUM AND COPPER CONDUCTORS

1-HOLE DESIGN

UL Listed 90° C, Up to 35 kV ♦

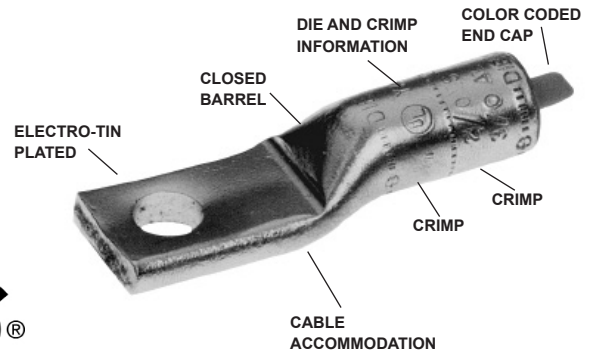


Type YA-A aluminum tin-plated compression HYLUG™ terminals are dual-rated and designed for use on both aluminum and copper conductors from #12 sol. through 2000 kcmil.

They are designed for heavy duty applications to 35kV. YA-A terminals are pre-filled with PENETROX™, and assembled with color-coded end caps. The aluminum HYLUG™ terminals are designed for a permanent trouble-free electrical termination.

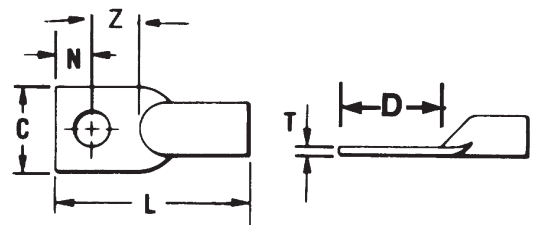
Features & Benefits

- Aluminum terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector
  - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
  - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp locations bands
- Factory pre-filled with PENETROX™ A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code; prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection



C-199

**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.



# Compression Connections

Aluminum Compression — Tin Plated — For Aluminum & Copper Conductors

**BURNDY®**

## TYPES YA-A AND YA-A-TN

### 1-HOLE DESIGN

UL Listed 90° C, Up to 35 kV ♦

(Continued)



AL9CU



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.

C-200

Catalog Number	Code Conductor	Stud Size	No. of Holes in Pad	Dimensions						Installation Tooling ▲					Wire Strip Length
				C	D	L	N	T	Z	Dieless (# of crimps)		Die Number (# of crimps)	Color Code	▲ Die Index	
										Mechanical Tooling	Hydraulic HYPRESS™				
YA12A-TN	12 Str.	#10	1	0.41	0.50	1.19	0.20	0.07	0.30	MR8-27 (1)	—	—	①	—	5/8
YA10A-TN	10 Str.	#10	1	0.41	0.50	1.22	0.20	0.06	0.30						
YA8CA1	8 AWG	#10	1	0.53	0.60	1.50	0.20	0.09	0.40	MY29-3 (1)	Y / PAT81KFT (1)	U8CABT (1)	Blue	374	5/8
YA8CA3		1/4	1	0.53	0.75	1.65	0.25	0.09	0.50	MRC840AL (1)					
YA6CA1	6 AWG	1/4	1	0.47	0.75	1.84	0.33	0.14	0.42	MY29-3 (1)	Y / PAT644 (1)	U6CABT (1)	Gray	346	3/4
YA6CA3		3/8	1	0.65	1.19	2.28	0.44	0.09	0.75	MRC840AL (1)					
YA4CA1	4 AWG	1/4	1	0.47	0.75	2.13	0.33	0.18	0.42	MY29-3 (1)	Y / PAT81KFT (1)	U4CABT (1)	Green	375	7/8
YA4CA3		5/16	1	0.80	0.87	2.25	0.41	0.12	0.46						
YA4CA6		3/8	1	0.80	0.94	2.32	0.44	0.12	0.50						
YA2CA5	2 AWG	1/4	1	0.50	0.75	2.25	0.33	0.22	0.42	MY29-3 (1)	Y / PAT81KFT (2)	U2CABT (1)	Pink	348	1-1/8
YA2CA1		5/16	1	0.88	0.88	2.50	0.41	0.16	0.47						
YA2CA3		3/8	1	0.88	0.94	2.56	0.44	0.16	0.50						
YA1CA1	1 AWG	3/8	1	0.76	1.19	2.59	0.44	0.19	0.75	MY29-3 (1)	Y / PAT81KFT (2)	U1CART (1)	Gold	471	15/16
YA25A1	1/0 AWG	5/16	1	0.60	0.87	2.31	0.41	0.21	0.46	MY29-3 (1)	Y / PAT81KFT (2)	U25ART (1)	Tan	296	1-1/16
YA25A3		3/8	1	0.82	1.18	2.67	0.63	0.21	0.55						
YA25A9		1/2	1	1.03	1.34	2.83	0.63	0.17	0.71						
YA26A6	2/0 AWG	3/8	1	0.67	1.89	2.79	0.44	0.24	0.74	MY29-3 (2)	Y / PAT81KFT (2)	U26ART (2)	Olive	297	1-3/8
YA26A1		1/2	1	1.03	1.36	3.03	0.63	0.20	0.73	MRC840AL (3)	Y / PAT644 (1)				
YA27A1	3/0 AWG	3/8	1	0.73	1.18	2.88	0.44	0.26	0.74	MY29-3 (2)	Y / PAT81KFT (2)	U27ART (2)	Ruby	467	1-1/2
YA27A3		1/2	1	1.04	1.37	3.27	0.63	0.26	0.74	MRC840AL (3)	Y / PAT644 (1)				
YA28A1	4/0 AWG	3/8	1	1.17	1.18	3.26	0.44	0.30	0.74	MY29-3 (2)	Y / PAT81KFT (2)	U28ART (2)	White	298	1-5/8
YA28A3		1/2	1	1.17	1.36	3.44	0.63	0.30	0.73	MRC840AL (3)	Y / PAT644 (1)				
YA29A9	250 kcmil	3/8	1	1.26	0.83	3.09	0.41	0.33	0.42	—	Y / PAT81KFT (2)	U29ART (2)	Red	324	1-9/16
YA29A1		1/2	1	1.26	1.36	3.53	0.63	0.33	0.73			P32D (1) P34PR-5			
YA30A6	300 kcmil	3/8	1	1.38	1.37	3.90	0.63	0.36	0.74	—	Y / PAT81KFT (2)	U30ART (2)	Blue	470	1-3/4
YA30A1	4/0 AWG CCA DLO (329/22)	1/2	1	1.38	1.37	3.90	0.63	0.36	0.74						
YA31A1	350 kcmil 250 kcmil CCA DLO (399/22)	1/2	1	1.52	1.37	4.33	0.63	0.39	0.74	—	Y / PAT644 (1) Y / PAT81KFT (3)	U31ART (2)	Brown	299	2 1/8
YA32A9	400 kcmil	3/8	1	1.62	0.83	3.95	0.41	0.43	0.42	—	Y / PAT644 (1)	U32ART (4)	Green	472	2-5/16
YA32A3		1/2	2	1.62	3.11	6.15	0.63	0.43	0.73						
YA32A1		5/8	1	1.62	1.88	4.92	0.88	0.43	1.00						
YA34A1	500 kcmil 350 kcmil CCA DLO (551/22)	5/8	1	1.80	1.91	5.56	0.88	0.46	1.03	—	Y / PAT644 (1) Y / PAT81KFT (4)	U34ART (4)	Pink	300	2-5/8

• Contact BURNDY® for conductor, stud sizes and hole drillings not shown.

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

① No color code assigned.

‡ UL Listed for Aluminum only.

\* Use PUADP-1 adaptor with U dies in Y46 Hypress™.

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

Note: All dimensions shown are for reference only.

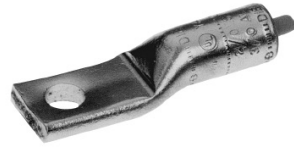


**TYPES YA-A AND YA-A-TN**

**1-HOLE DESIGN**

UL Listed 90° C, Up to 35 kV ♦

(Continued)



AL9CU



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.

C-201

Catalog Number	Code Conductor	Stud Size	No. of Holes in Pad	Dimensions						Installation Tooling ▲					Wire Strip Length
				C	D	L	N	T	Z	Dieless (# of crimps)		Y35, Y39, Y750, Y46*		▲ Die Index	
										Mechanical Tooling	Hydraulic HYPRESS™	Die Number (# of crimps)	Color Code		
YA36A1	600 kcmil 500 kcmil CCA DLO (779/22) *900 Compact AL	5/8	1	1.97	1.88	5.82	0.88	0.52	1.00	—	Y / PAT644 (1) Y / PAT81KFT (4)	U36ART (4)	Black	473	2 7/8
YA39A1	700 - 750 kcmil	1/2	1	2.05	1.34	5.26	0.63	0.43	0.71	—	Y / PAT644 (1) Y / PAT81KFT (4)	U39ART-2 (4)	Yellow	936	2 7/8
YA39A3		5/8	1	2.05	1.88	5.80	0.88	0.43	1.00						
YA39A34	900 kcmil Class B Compact Only 600 kcmil CCA DLO (925/22)	3/4	1	2.05	2.19	6.17	1.00	0.43	1.19	—	Y / PAT644 (1) Y / PAT81KFT (4)	U39ART-2 (4)	Yellow	936	2 7/8
YA42A1	900 kcmil	1/2	1	2.14	1.36	5.32	0.63	0.39	0.71	—	Y / PAT644 (2)	U42ART (4)^	Gray	303	2 7/8
YA42A3	AL600 kcmil CU	5/8	1	2.14	1.36	5.32	0.66	0.39	1.00						
YA44A1	800 kcmil 1000 kcmil 750 kcmil CCA DLO (1194/22) 800 kcmil CCA DLO (1258/22)	5/8	1	2.50	1.89	6.50	0.88	0.66	1.01	—	—	P44ART** (4)	Gray	474	3

• Contact BURNDY® for conductor, stud sizes and hole drillings not shown.

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

① No color code assigned.

‡ UL Listed for Aluminum only.

\* Use PUADP-1 adaptor with U dies in Y46 Hypress™.

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

Note: All dimensions shown are for reference only.

### TYPE YA-A

### HYLUG™

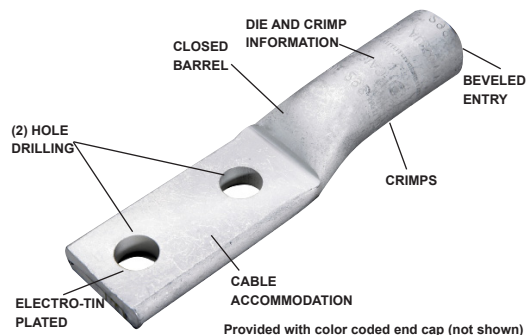
C-202

## UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS

### 2-HOLE AND 4-HOLE DESIGNS

UL Listed 90° C, Up to 35 kV ♦

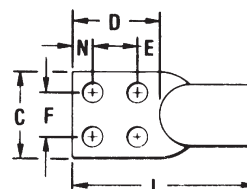
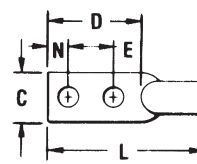
Type YA-A 2- and 4-hole pads inhibit connector rotation and increase area contact. These aluminum terminals have the same design features and benefits as the 1-hole YA-A with an added stud hole for a more secure termination to various types of equipment pads. They are dual-rated for use on both aluminum and copper conductors.



**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

- Aluminum terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector
  - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
  - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- 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
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp locations bands
- Factory pre-filled with PENETROX™ A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code; prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection



### Y644HSXT DIELESS HYPRESS™ RANGE-TAKING CAPABILITIES

The following size HYDENT™ lugs and two way splices, when crimped with the Y / PAT644 DIELESS HYPRESS™ tool, produce the following range taking capabilities:

Aluminum Connectors					
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

**TYPE YA-A**

**HYLUG™**

**UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS**

**2-HOLE AND 4-HOLE DESIGNS**

UL Listed 90° C, 600 Volts to 35 kV ♦

(Continued)



AL9CU



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.

C-203

Catalog Number	Code Conductor	Stud Size	No. of Holes in Pad	Dimensions							Installation Tooling ▲					Wire Strip Length	
				C	D	E & F	L	N	T REF.	Z MIN.	Dieless (# of crimps)		Y35, Y39, Y750, Y46*	Die Number (# of crimps)	Color Code		▲ Die Index
											Mech. Tooling	Hydraulic HYPRESS					
YA2CA9	2 str.	1/2	2	0.88	3.11	1.75	4.73	0.63	0.16	0.73	MY29-3 (1)	Y / PAT644 (1) Y / PAT81KFT (1)	U2CART (1)	Pink	348	1-1/8	
YA25A7	1/0 str.	1/2	2	1.03	3.10	1.75	4.59	0.63	0.17	0.72	MY29-3 (1)	Y / PAT644 (1) Y / PAT81KFT (2)	U25ART (1)	Tan	296	1-1/16	
YA25A5		3/8	2	0.82	2.24	1.06	3.73	0.63	0.21	0.55							
YA26A3	2/0 str.	1/2	2	1.03	3.11	1.75	4.78	0.63	0.20	0.73	MY29-3 (2)	Y / PAT644 (1) Y / PAT81KFT (2)	U26ART (2)	Olive	297	1-3/8	
YA26A5		3/8	2	0.92	1.89	1.00	3.56	0.44	0.24	0.45							
YA27A7	3/0 str.	3/8	2	1.04	1.89	1.00	3.79	0.44	0.26	0.45	MY29-3 (2)	Y / PAT644 (1) Y / PAT81KFT (2)	U27ART (2)	Ruby	467	1-1/2	
YA27A5		1/2	2	1.04	3.06	1.75	5.02	0.63	0.26	0.74							
YA28A7	4/0 str.	3/8	2	1.17	1.89	1.00	3.97	0.44	0.30	0.45	MY29-3 (2)	Y / PAT644 (1) Y / PAT81KFT (2)	U28ART (2)	White	298	1-5/8	
YA28A5		1/2	2	1.17	3.11	1.75	5.19	0.63	0.30	0.73							
YA29A5	250 kcmil	3/8	2	1.26	1.89	1.00	4.06	0.44	0.33	0.45	—	Y / PAT644 (1) Y / PAT81KFT (2)	U29ART (2)	Red	324	1-5/8	
YA29A3		1/2	2	1.26	3.11	1.75	5.28	0.63	0.33	0.73							
YA30A5	300 kcmil	3/8	2	1.38	1.89	1.00	4.42	0.44	0.36	0.45	—	Y / PAT644 (1) Y / PAT81KFT (2)	U30ART (2)	Blue	470	1-3/4	
YA30A3	4/0 AWG CCA DLO (329/22)	1/2	2	1.38	3.11	1.75	5.64	0.63	0.36	0.73							
YA31A5	350 kcmil	3/8	2	1.52	1.89	1.00	4.85	0.44	0.39	0.45	—	Y / PAT644HS (1) Y / PAT81KFT (3)	U31ART (2)	Brown	299	2 1/8	
YA31A3	250 kcmil CCA DLO (399/22)	1/2	2	1.52	3.11	1.75	6.07	0.63	0.39	0.73							
YA32A5	400 kcmil	3/8	2	1.62	1.89	1.00	4.93	0.44	0.43	0.45	—	Y / PAT644HS (1) Y / PAT81KFT (3)	U32ART (4)	Green	472	2	
YA32A3		1/2	2	1.62	3.11	1.75	6.15	0.63	0.43	0.73							
YA34A5	500 kcmil	3/8	2	1.80	1.89	1.00	5.54	0.44	0.46	0.45	—	Y / PAT644 (1) Y / PAT81KFT (4)	U34ART (4)	Pink	300	2 5/8	
YA34A3	350 kcmil CCA DLO (551/22)	1/2	2	1.62	3.15	1.75	6.80	0.63	0.46	0.77							
YA36A5	600 kcmil	3/8	2	1.97	1.89	1.00	5.64	0.69	0.52	0.45	—	Y / PAT644HS (1) Y / PAT81KFT (4)	U36ART (4)	Black	473	2 7/8	
YA36A3	500 kcmil CCA DLO (779/22) *900 Compact AL	1/2	2	1.62	3.15	1.75	7.09	0.63	0.52	0.77							

- Contact BURNDY® for conductor, stud sizes and hole drillings not shown.
- ▲ See tooling section of this catalog for complete tool and die listings.
- ‡ Use Y60 BHU HYPRESS™ with L46ART and L48ART die sets.

- \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™.
- \*\* P39ART and P44ART die sets for use with Y46 HYPRESS™ only. PUADP-1 adaptor not required.
- + Tested with Y644HSXT and PAT644 dieless tools only and not UL Listed with any tool on 900 Compact AL.

- ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.
- ▲ U die for 900 AL only
- ▲▲ 75° C Rated
- Note: All dimensions shown are for reference only.

# Compression Connections

**BURNDY®**

Aluminum Compression — Tin Plated — For Aluminum & Copper Conductors

## TYPE YA-A

HYLUG™

C-204

### UNINSULATED ALUMINUM COMPRESSION TERMINAL FOR ALUMINUM AND COPPER CONDUCTORS

#### 2-HOLE AND 4-HOLE DESIGNS

UL Listed 90° C, 600 Volts to 35 kV ♦

(Continued)



AL9CU



**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.

Catalog Number	Code Conductor	Stud Size	No. of Holes in Pad	Dimensions							Installation Tooling ▲					Wire Strip Length
				C	D	E & F	L	N	T REF.	Z MIN.	Dieless (# of crimps)		Y35, Y39, Y750, Y46*		▲ Die Index	
											Mech. Tooling	Hydraulic HYPRESS	Die Number (# of crimps)	Color Code		
YA39A7	700 - 750 kcmil	3/8	2	2.05	1.89	1.00	5.81	0.44	0.43	0.45	—	Y / PAT644 (1) Y / PAT81KFT (4)	U39ART-2 (4)	Yellow	936	2 7/8
YA39A5	+900 kcmil	1/2	2	1.62	3.15	1.75	7.07	0.63	0.43	0.77			P39ART** (4)	Red	301	2 7/8
YA39AM2	Class B Compact Only 600 kcmil CCA DLO (925/22)	1/2	2	1.69	3.12	1.75	7.31	0.63	0.57	0.74	—	—	P39ART** (4)	Red	301	2 7/8
YA42A7	900 kcmil AL	3/8	2	2.14	3.13	1.00	5.96	0.44	0.39	0.45	—	Y / PAT644 (2)	U42ART (4) <sup>^</sup>	Gray	303	2 7/8
YA42A5	600 kcmil Cu	1/2	2	1.62	3.13	1.75	7.09	0.63	0.39	0.77			—	—	P44ART** (4)	Brown
YA44A3	1000 kcmil	1/2	2	1.65	3.15	1.75	7.76	0.63	0.55	0.77	—	—	P44ART** (4)	Brown	302	3
YA45A5	<sup>^^</sup> 1250 kcmil 900 kcmil CCA DLO (1406/22) 1000 kcmil CCA DLO (1554/22)	1/2	2	2.59	3.12	1.75	7.73	0.63	0.51	0.74	—	—	P44ART** (4)	Brown	302	3
YA46A3	<sup>^^</sup> 1500 kcmil	1/2	2	3.08	3.15	1.75	8.73	0.63	0.81	0.77	—	—	L46ART (2)	Blue	478	2 3/4
YA46A5		1/2	4	3.08	3.15	1.75	8.73	0.63	0.81	0.77			—	—	L48ART (2)	Red
YA48A3	<sup>^^</sup> 2000 kcmil	1/2	2	3.57	3.11	1.75	8.49	0.63	0.90	0.73	—	—	L48ART (2)	Red	479	4 1/8

- Contact BURNDY® for conductor, stud sizes and hole drillings not shown.
- ▲ See tooling section of this catalog for complete tool and die listings.
- ‡ Use Y60 BHU HYPRESS™ with L46ART and L48ART die sets.

- \* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™.
- \*\* P39ART and P44ART die sets for use with Y46 HYPRESS™ only. PUADP-1 adapter not required.
- + Tested with Y644HSXT and PAT644 dieless tools only and not UL Listed with any tool on 900 Compact Al.

- ♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.
- <sup>^</sup> U die for 900 AL only
- <sup>^^</sup> 75° C Rated
- Note:** All dimensions shown are for reference only.

**TYPE YA-A-KIT**

**TRANSFORMER LUG KIT**

Each kit contains the UL Listed and CSA Certified AL9CU rated aluminum compression connectors and tongue mounting hardware needed to terminate aluminum or copper cables in “dry type” transformers. The KVA rating gives an approximate cross reference to the appropriate kit.



C-205

**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**

- UL Listed AL9CU dual rated compression terminals and CSA Certified; ensure the transformer feeders and taps are terminated properly
- Plated steel cap screws and hex nuts with captive conical washers or individual belleville washers
- Terminal to bus connections are made using proper hardware resulting in true torque to pressure performance, compensates for dissimilar metal expansion and contraction
- Hardware packed in plastic bag; no lost hardware prior to installation

Catalog Number	KVA	Terminals		Wire Range with Y / PAT644	Bolt		Hardware		Washer	
		Qty.	Cat. No.		Qty.	Size	Qty.	Nut	Qty.	Type
YA-A-KIT1	15-37.5 1Ø	8	YA2C-A5	#6-2 AWG	8	1/4-20 X 3/4	8	1/2 x 20HN	Captive	
	15-45.3 3Ø	4	YA30-A7	2/0 AWG-300 kcmil	8	1/4-20 X 3/4	8	1/2 x 20HN	Captive	
YA-AKIT2	50-75 1Ø	12	YA30-A7	2/0 AWG-300 kcmil	8	1/4-20 X 3/4	16	1/4 X 20HN	Captive	
	75-112.5 3Ø	12	YA30-A7	2/0 AWG-300 kcmil	8	1/4-20 X 2	16	1/4 X 20HN	Captive	
YA-AKIT3	100-167 1Ø	3	YA30-A7	2/0 AWG-300 kcmil	3	1/4-20 X 3/4	3	1/4 X 20	Captive	
	150-300 3Ø	22	YA39-A1	500-750 kcmil	16	1/2-13 X 2	16	1/2-13	16	1/2" Belleville

HH- Hex Head

HN- Hex Nut

See Mechanical section for set screw terminal kits.

**Note:** All dimensions shown are for reference only.

### TYPE AYP, AYPO

#### HYPLUG™

C-206

#### FOR ALUMINUM AND COPPER CONDUCTOR

UL Listed 90° C, Up to 35 kV ♦



AL9CU

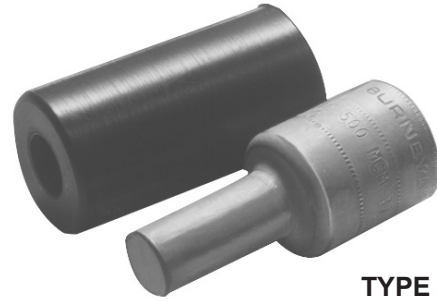


AL9

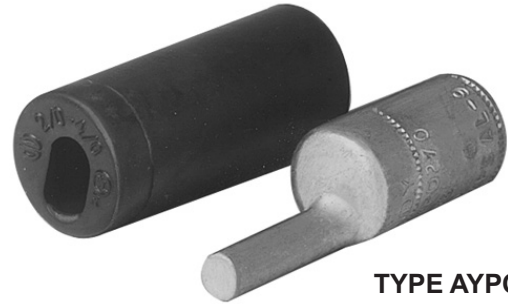
Types AYP and AYPO aluminum compression adaptors are designed for reliable termination of aluminum and copper conductor in mechanical connectors. Typical applications include mechanical connectors in molded case circuit breakers, panel board equipment and meter sockets.

#### Features & Benefits

- Aluminum pin terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector
  - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
  - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Short pin length design permits easy installation in limited space applications; rated for the full ampacity of the incoming conductor
- Smooth surface on the pin allows for greater contact area and electrical connectivity
- Solid pin design eliminates “how tight is tight” torque requirement problem and eliminates over torquing on stranded pin adaptors that can result in damaged strands for increased resistance
- 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
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp locations bands
- Factory pre-filled with PENETROX™ A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code; prevent foreign materials from entering the barrel



TYPE AYP



TYPE AYPO

- Covers are supplied with connectors
  - EPDM rubber covers are UL Listed/CSA Certified and rated up to 600 Volts and 90°C
  - Santoprene rubber covers are also UL Listed/CSA Certified and rated up to 600 Volts and 90°C
- Aluminum oxidation is not easily detected but causes resistance in a connection; it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection
- The connector comes in an in-line pin (Type AYP) and offset pin design (Type AYPO)
- Offset pin design provides added flexibility in limited space as the connectors can be rotated preventing wire interference when installing cable side-by-side to a mechanical connector
- Only 5 dies sets install the complete line of HYPLUG™ adaptors from #6 AWG up to 750 kcmil

#### Y / PAT644 DIELESS HYPRESS™

#### RANGE-TAKING

#### CAPABILITIES

The following HYPLUG™ lugs and two way splices, when crimped with the Y / PAT644 DIELESS HYPRESS™ tool, produce the following range-taking capabilities for Aluminum Conductor only:

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

Aluminum Conductors Only					
Standard Wire Size	Expanded Wire Range	Standard Wire Size	Expanded Wire Range	Standard Wire Size	Expanded Wire Range
#6 AWG	#6 AWG	3/0 AWG	3/0 - #1 AWG	500 kcmil	500 kcmil - 4/0 AWG
#4 AWG	#4 - #6 AWG	4/0 AWG	4/0 - #1 AWG	600 kcmil	600 - 250 kcmil
#2 AWG	#2 - #6 AWG	250 kcmil	250 kcmil - 1/0 AWG	750 kcmil	750 - 500 kcmil
#1 AWG	#1 - #2 AWG	300 kcmil	300 kcmil - 2/0 AWG	900 kcmil	900 - 600 kcmil
1/0 AWG	1/0 - #1 AWG	350 kcmil	350 kcmil - 3/0 AWG		
2/0 AWG	2/0 - #1 AWG	400 kcmil	400 kcmil - 4/0 AWG		

TYPES AYP, AYPO

HYPLUG™

FOR ALUMINUM AND COPPER CONDUCTOR

UL Listed 90° C, Up to 35 kV ♦  
(Continued)

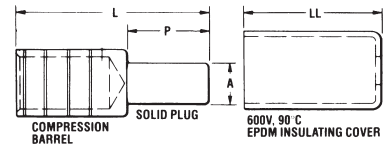


Fig 1: TYPE AYP (Straight)

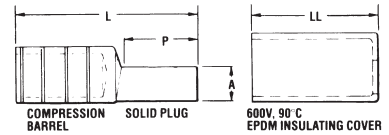


Fig 2: TYPE AYPO (Offset)

Catalog Number	Copper & Aluminum Conductor	Fig. No.	Dimensions					Installation Tooling ▲						Wire Strip Length
			A ▼ Pin Dia.	Pin Size Equiv.	Overall Length	L Pin Length	LL Cover Length	HYTOOLS			Y35, Y39, Y750, Y46*		▲ Die Index & Emboss.	
								Dieless Tools (# of crimps)	+ OH25	+ MD6	Die Number (# of crimps)	Color Code		
AYP6	6 AWG	1	0.23	4 AWG	0.68	1.85	2.03	MY29-3 (2) ** Y / PAT644 (1) Y / PAT81KFT (1)	1 crimp	W241	U25ART (1)	Tan	296	1-1/16
AYP4	4 AWG	1	0.23	4 AWG	0.68	1.85	2.03							
AYP2	2 AWG	1	0.23	4 AWG	0.68	1.85	2.03							
AYP1	1 AWG	1	0.26	3 AWG	0.84	2.01	2.03							
AYP1/0	1/0 AWG	1	0.29	2 AWG	0.84	2.01	2.03							
AYPO2/0	2/0 AWG	2	0.33	1 AWG	1.09	2.70	2.23	MY29-3 (2) ** Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U28ART (2)	White	298	1-1/8
AYPO3/0	3/0 AWG	2	0.37	1/0 AWG	1.22	2.80	2.23		—	—	U28ART (2)	White	298	1-1/8
AYPO4/0	4/0 AWG	2	0.42	2/0 AWG	1.22	2.80	2.23	Hydraulic: Y / PAT644 (1) Y / PAT81KFT (2)	—	—	U28ART (2)	White	298	1-1/8
AYP250	250 kcmil	1	0.47	3/0 AWG	1.16	2.63	2.54		—	—	U31ART (2)	Brown	299	1-1/8
AYPO250	250 kcmil	2	0.47	3/0 AWG	1.22	2.98	2.54		—	—	U31ART (2)	Brown	299	1-1/8
AYPO300	300 kcmil	2	0.53	4/0 AWG	1.34	3.08	2.54		—	—	U31ART (2)	Brown	299	1-1/8
AYP350	350 kcmil	1	0.57	250 kcmil	1.34	2.75	2.54		—	—	U31ART (2)	Brown	299	1-1/8
AYPO350	350 kcmil	2	0.57	250 kcmil	1.34	3.08	2.54		—	—	U31ART (2)	Brown	299	1-1/8
AYPO400	400 kcmil	2	0.63	300 kcmil	1.60	3.43	2.81		—	—	U34ART (2)	Pink	300	1-1/8
AYP500	500 kcmil	1	0.68	350 kcmil	1.60	3.08	2.81		—	—	U34ART (2)	Pink	300	1-1/8
AYPO500	500 kcmil	2	0.68	350 kcmil	1.60	3.43	2.81		—	—	U34ART (2)	Pink	300	1-1/8
AYPO600	600 kcmil	2	0.73	400 kcmil	1.64	4.02	3.69		—	—	U39ART-2 (3)	Yellow	936	1-3/4
AYP750	700 - 750 kcmil	1	0.81	500 kcmil	1.76	3.79	3.69	Y / PAT644 (1) Y / PAT81KFT (3)	—	—	U39ART-2 (3)	Yellow	936	1-3/4
AYPO750	700 - 750 kcmil +900 Compact AL	2	0.81	500 kcmil	1.76	4.16	3.69		—	—	U39ART-2 (3)	Yellow	936	1-3/4
AYP900	900 kcmil AL	1	0.91	650 kcmil	1.82	4.10	4.20	Y / PAT644 (1) Y / PAT81KFT (3)	—	—	U42ART (4)	Gray	303	1-5/8
AYPO900	& 600 kcmil CU	2	0.91	650 kcmil	1.82	4.16	4.20		—	—	U42ART (4)	Gray	303	1-5/8
AYPO1000***	1000 kcmil	1	0.81	650 kcmil	1.76	4.17	—	—	—	—	P44ART (4)	Brown	302	1-3/4

Scratch brush aluminum conductor before installation.  
▲ See tooling section of this catalog for complete tool and die listings.  
\*\* For MY29-3 use aluminum index plate at 1/0 setting for sizes #6 through 1/0 or at 4/0 setting for sizes 2/0 through 4/0.  
+ Not UL Listed with these tools.

\* Use PUADP-1 adaptor with U dies in Y46 HYPRESS™.  
■ Also accommodates compressed and compact conductors (except for 700 kcmil in 750 kcmil barrel).  
+ Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact AL.

\*\*\*Does not come with a cover. Not UL Listed.  
♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
Note: All dimensions shown are for reference only.  
▼ For copper equivalent wire size see page O-11 (Aluminum 1350 Cable).  
Note: CSA certified for AL Conductor only.

### TYPE YS-A

HYLINK™



C-208

### UNINSULATED ALUMINUM COMPRESSION SPLICE

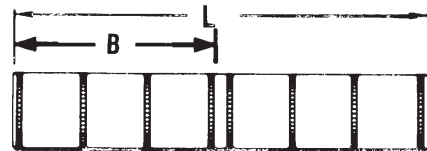
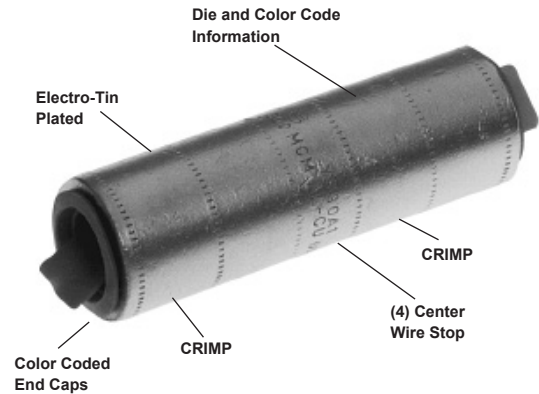
UL Listed 90° C, Up to 35 kV ♦

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 & Benefits

- Aluminum splices are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector
  - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
  - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- 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
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp locations bands
- Factory pre-filled with PENETROX™ A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code; prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection so it is imperative that the proper preparation takes place prior to making an aluminum-to-aluminum connection





TYPE YS-A

UNINSULATED ALUMINUM COMPRESSION SPLICE

UL Listed 90° C, Up to 35 kV ♦  
(Continued)



C-209

Catalog Number	Code • Conductor	Dimensions		Installation Tooling ▲					Wire Strip Length	
				Dieless (# of crimps/end)		Y35, ■ Y39, Y750, Y46*		▲ Die Index & Embossment		
		B	L	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		—	—	—	①	—	5/8
YS8CA1	8 Str.	0.59	1.44	MY29-3 (1) MRC840AL (1)	Y / PAT644 (1) Y / PAT81KFT (1)	U8CABT (1)	Blue	374	374	5/8
YS6CA1	6 Str.	0.72	1.70			U6CABT (1)	Gray	346	346	3/4
YS4CA1	4 Str.	0.86	1.97	MY29-3 (1) MRC840AL (2)	Y / PAT644 (1) Y / PAT81KFT (2)	U4CABT (1)	Green	375	375	7/8
YS2CA1	2 Str.	1.09	2.44			U2CABT (1)	Pink	348	348	1-1/8
YS1CA1	1 Str.	0.90	2.05	MY29-3 (2) MRC840AL (3)	Y / PAT644 (1) Y / PAT81KFT (2)	U1CART (1)	Gold	471	471	15/16
YS25A1	1/0 Str.	1.06	2.37			U25ART (1)	Tan	296	296	1-1/16
YS26A1	2/0 str.	1.18	2.61	MY29-3 (2) MRC840AL (3)	Y / PAT644 (1) Y / PAT81KFT (2)	U26ART (2)	Olive	297	297	1-3/8
YS27A1	3/0 str.	1.31	2.88			U27ART (2)	Ruby	467	467	1-1/2
YS28A1	4/0 str.	1.40	3.06	MY29-3 (2) MRC840AL (3)	Y / PAT644 (1) Y / PAT81KFT (2)	U28ART (2)	White	298	298	1-5/8
YS29A1	250kcmil	1.46	3.18			U29ART (2)	Red	324	324	1-5/8
YS30A1	300 kcmil	1.47	3.20	—	Y / PAT644 (1) Y / PAT81KFT (2)	U30ART (2)	Blue	470	470	1-3/4
YS31A1	350 kcmil	1.89	4.04			—	Y / PAT644 (1) Y / PAT81KFT (2)	U31ART (2)	Brown	299
YS32A1	400kcmil	2.30	4.86	—	Y / PAT644 (1) Y / PAT81KFT (4)	U32ART (2)	Green	472	472	2-1/2
YS34A1	500 kcmil	2.38	5.02			—	Y / PAT644 (1) Y / PAT81KFT (4)	U34ART (2)	Pink	300
YS36A1	600 kcmil	2.44	5.14	—	Y / PAT644 (1) Y / PAT81KFT (4)	U36ART (4)	Black	473	473	2-7/8
YS39A1	700 kcmil 750 kcmil +900 Compact Al	2.50	5.26			—	Y / PAT644 (1) Y / PAT81KFT (4)	U39ART-2 (4)	Yellow	936
YS39AM1	700 kcmil 750 kcmil +900 Compact Al	2.63	5.58	—	Y / PAT644 (2)	P39ART** (4)	Red	301	301	2-7/8
YS42A1	600 - 900 kcmil	2.50	5.26			—	Y / PAT644 (2)	U42ART (4)	Gray	303
YS44A1	1000 kcmil	2.84	5.94	—	—	P44ART** (4)	Brown	302	302	3
YS45A1**	1250 kcmil	2.84	6.21			—	—	P48PR1/ L44ART** (6)	Brown	302
YS46A1**	1500 kcmil	3.40	7.05	—	—	L46ART*** (2)	Blue	478	478	3.38
YS47A1**	1750 kcmil	3.99	8.31			—	—	L47ART*** (2)	White	587
YS48A1**	2000 kcmil	3.66	7.58	—	—	L48ART*** (2)	Red	479	479	3.63
YS483A1**	2250 kcmil ALUMINUM ONLY	3.66	7.58			—	—	L48ART*** (2)	Red	479

▲ 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.

+ Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact Al.

\* Use PUADD-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).

\*\* 75°C Rated

Note: All dimensions shown are for reference only.

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

### TYPE YS-AT

### HIGH VOLTAGE UNINSULATED ALUMINUM COMPRESSION SPLICE

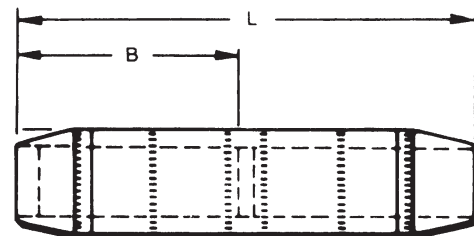
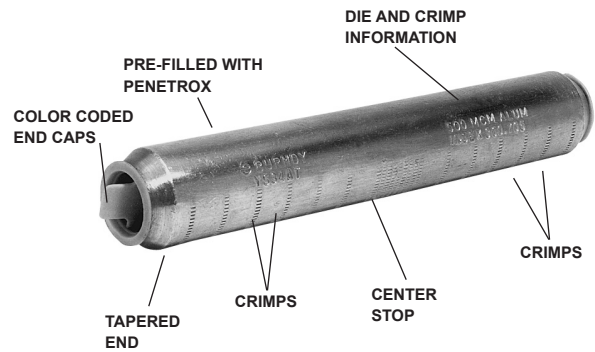
C-210

Type YS-AT is a high-conductivity aluminum electro-tin plated compression butt splice with tapered ends for high voltage applications up to 35 kV.

The YS-AT provides the same benefits as the YS-A with the addition of tapered ends for easy installation of high voltage insulating kits. Tapered ends aid in preventing corona emission and insulation breakdown. Recommended for high voltage splice applications.

#### Features & Benefits

- Aluminum splices are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector
  - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
  - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Barrel is designed with a taper on both ends for applications through 35kV; permits easy taping and aids in preventing corona emissions and insulation breakdown
- Barrel also features an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with crimp band locations
- Factory pre-filled with PENETROX™ A13 oxide inhibitor
- End caps are factory inserted in the barrels to match the die color code; prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection so it is imperative that the proper preparation takes place prior to making an aluminum-to-aluminum connection



Catalog Number	• † Code Conductor	Dimensions		Installation Tooling ▲				Wire Strip Length
				Die Number	Y35, ■ Y39, Y750, Y46* (Crimps per End)	Color Code	Die Index & Embossment ▲	
B	L							
YS2CAT	2str.	1.58	4.00	U2CABT	2	Pink	348	2 1/4
YS25AT	1/0 str.	1.96	4.73	U25ART	2	Tan	296	2 5/8
YS26AT	2/0 str.	1.83	4.29	U26ART	3	Olive	297	2 3/8
YS27AT	3/0 str.	2.04	4.69	U27ART	3	Ruby	467	2 5/8
YS28AT	4/0 str.	2.16	5.05	U28ART	3	White	298	2 3/4
YS29AT	250 kcmil	2.29	5.37	U29ART	3	Red	324	2 7/8
YS30AT	300 kcmil	2.54	5.91	U30ART	3	Blue	470	3 1/8
YS31AT	350 kcmil	2.68	6.23	U31ART	3	Brown	299	3 3/8
YS34AT	500 kcmil	3.39	7.79	U34ART	6	Pink	300	4 1/8
YS39AT	700/750 kcmil • 900 Compact AL ▼	3.69	8.57	P39ART**	6	Red	301	4 1/2
YS44AT	1000 kcmil 900 Compact AL ▼	3.77	9.69	P44ART**	6	Brown	302	4 3/4

† Contact BURNDY® for conductor sizes not shown.

\* Use PUADP-1 adapter for U dies.

\*\* P39ART and P44ART for use with Y46 HYPRESS™ only. PUADP-1 adapter not required.

■ The maximum size for the Y35 is 400 kcmil.

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

● Also accommodates compressed and compact conductors (except 700 kcmil in 750 kcmil barrel).

▼ Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact AL.

Note: All dimensions shown are for reference only.

TYPE YRB

HYREDUCER™

FOR ALUMINUM TO COPPER AND ALUMINUM TO ALUMINUM

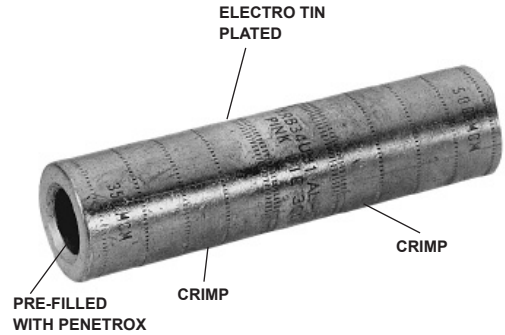


UL Listed 90° C, Up to 35 kV ♦

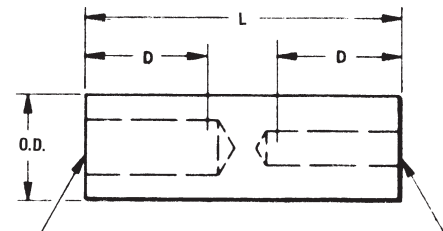
HYREDUCER™ type YRB reducer butt splice is designed to splice two different conductor sizes and is UL Listed for aluminum to copper and aluminum to aluminum applications. The outside diameter is held constant to minimize installation dies and is factory prefilled with PENETROX™.

Features & Benefits

- Aluminum splice reducers are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector
  - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
  - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Barrel features an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with crimp band locations
- Factory pre-filled with PENETROX™ A13 oxide inhibitor
- Color-coded end caps are factory inserted in the barrels to match the die color code; prevent foreign materials from entering the barrel



C-211



- The barrels are designed to accommodate larger run conductor and smaller tap conductor so the inside diameters on each end of the barrel are different
- Aluminum oxidation is not easily detected but causes resistance in a connection so it is imperative that the proper preparation takes place prior to making an aluminum-to-aluminum connection

Catalog Number	Conductor Range ● Aluminum or Copper Size †		Dimensions			Installation Tooling ▲ Hydraulic Tools, Die Sets (No. of Crimps ‡)				Wire Strip Length
	Barrel A	Barrel B	O.D.	D	L	Y35 ■, Y39, Y750, Y46*	‡	Die▲ Index	Color Code	
YRB2U4	1 str. 2 str.	4 str. 3 str.	0.65	0.88	2.00	U25ART	1	296	Tan	15/16
YRB25U2	1/0 str.	1 str. 2 str.	0.65	0.88	2.00	U25ART	1	296	Tan	15/16
YRB27U25	3/0 str.	1/0 str.	0.85	1.36	3.31	U28ART	2	298	White	1-7/16
YRB27U26	3/0 str.	2/0 str.	0.85	1.36	3.31	U28ART	2	298	White	1-7/16
YRB28U26	4/0 str.	2/0 str.	0.85	1.36	3.31	U28ART	2	298	White	1-7/16
YRB29U28	250 kcmil	4/0 str.	1.11	1.73	4.21	U31ART	2	299	Brown	1-13/16
YRB31U28	350 kcmil	4/0 str.	1.11	1.73	4.21	U31ART	2	299	Brown	1-13/16
YRB31U29	350 kcmil	250 kcmil	1.11	1.73	4.21	U31ART	2	299	Brown	1-13/16
YRB34U31	500 kcmil	350 kcmil	1.31	2.11	5.12	U34ART	4	300	Pink	2-3/16
YRB36U31	600 kcmil	350 kcmil	1.46	2.25	5.57	U39ART-2	4	936	Yellow	2-5/16
YRB36U34	600 kcmil	500 kcmil	1.46	2.25	5.57	U39ART-2	4	936	Yellow	2-5/16
YRB39U34	700/750 kcmil ● 900 Compact AL ▼	500 kcmil	1.46	2.25	5.57	U39ART-2	4	936	Yellow	2-5/16
YRB39U36	700/750 kcmil ● 900 Compact AL ▼	600 kcmil	1.46	2.25	5.57	U39ART-2	4	936	Yellow	2-5/16

† Contact BURNDY® for conductor sizes not shown.  
 ▲ See tooling section of this catalog for complete tool and die listings.  
 ‡ Number of crimps.  
 \* Use PUADP-1 adaptor with U dies shown in Y46 HYPRESS™.

■ The maximum 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 700 kcmil in 750 kcmil barrel).

▼ Tested with Y644HSXT and PAT644XT-18V dieless tools only and not UL Listed with any tool on 900 Compact AL.  
 Note: All dimensions shown are for reference only.

## TYPES YFD, YFN, YFO AND YFR

### H-CRIMPIT™

C-212

## UNINSULATED ALUMINUM COMPRESSION TAP CONNECTOR

### FOR ALUMINUM TO COPPER AND ALUMINUM TO ALUMINUM



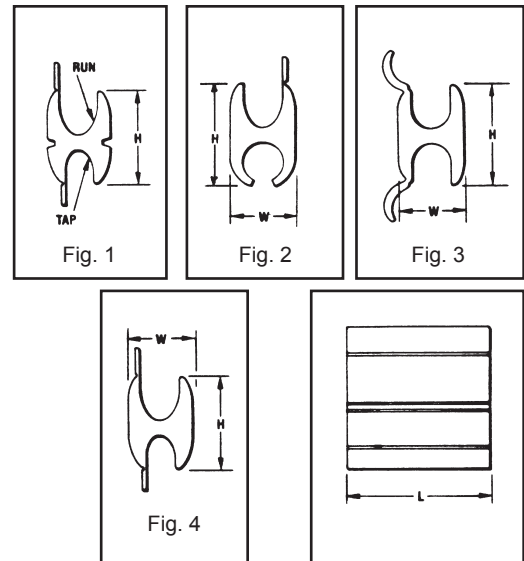
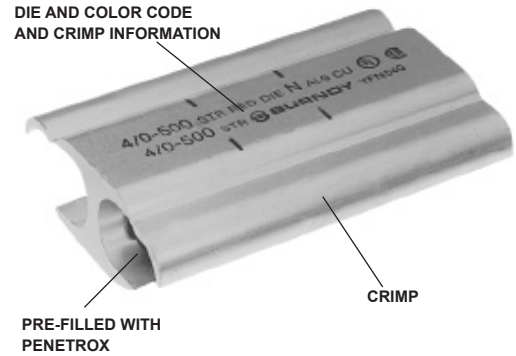
UL Listed 90° C, Up to 35 kV ♦

H-CRIMPIT™ compression tap connectors Types YFD, YFN, YFO and YFR are for use with aluminum to aluminum and aluminum to copper connections.

The H-CRIMPIT™ is ideal for making both parallel and tap compression connections in risers and gutters. It should only be installed with hydraulic tools.

### Features & Benefits

- Aluminum splice reducers are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector
  - AL9CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 90°C, up to 35kV
  - AL7CU indicates the terminal can accommodate aluminum and copper wire and is UL Listed 75°C, up to 35kV
- Each connector is factory sealed in polyethylene to ensure connector is delivered free of foreign materials prior to being used
- Post crimp, the connector is easy to tape or to install an insulating CRIMPIT™ cover (see Type CFA-FR) thereby lowering installation cost
- Connectors are clearly marked
- Factory pre-filled with PENETROX™ A13 oxide inhibitor
- Aluminum oxidation is not easily detected but causes resistance in a connection so it is imperative that the proper preparation takes place prior to making an aluminum-to-aluminum connection



Accommodates ②						Catalog Number	Fig. #	H	L	W	Installation Tooling ▲						Wire Strip Length	
Copper or Aluminum		Compact ④		Dia. Range							▲ Die Index	Color Code	Hydraulic Tools, Die Sets (No. of Crimps)			Dieless Tools Die Adaptor, (No. of Crimps)		
Run	Tap	Run	Tap	Run	Tap								Y750, Y35, Y39	Y46 ③	( )	Y644HSXT, Y644MBH		
1/0-6 Str	1-6 Str	2/0-6	1-6 Str	.398-.162	.332-.162	YFO-140	1	1.15	1.62	0.70	O	Green	UYFO, U-O	UYFO, U-O	(2)	PT30541	(1)	1-7/8
4/0-1 Str	2/0-1 Str	250-1/0	3/0-1/0	.563-.338	.477-.338	YFD-365	1	1.42	2.50	0.89	D3	Blue	U-D3 U-YFD	U-D3 U-YFD	(3)	PT30540	(2)	2-3/4
500-4/0	500-4/0	500-250	500-250	.815-.522	.815-.522	YFN-540	3	1.82	4.50	1.23	N	Red	U-N U-YFN	P-N P-YFN	(3)	—	—	4-7/8
900-600	600-350	900-700	600-400	1.108-.877	.893-.659	YFR-865	4	3.04	4.62	1.74	KR	Yellow	—	P-KR P-YFR	(4)	—	—	5

▲ See tooling section of this catalog for complete tool and die listings.  
 † Do not use U-YFN die set with P-UADP-1 adaptor in Y46 HYPRESS™. Use P-YFN only.

♦ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.  
 \* CSA Listed.  
 Note: All dimensions shown are for reference only.

Notes:  
 1 Material: Aluminum.  
 ② For Conductor combinations of AL to AL or AL to CU.  
 ③ Catalog Number PUADP-1 Adaptor is required to use U type dies in Y46 tools.  
 ④ Other conductors not listed in table can be accommodated as long as the conductor diameter falls within diameter range specified.

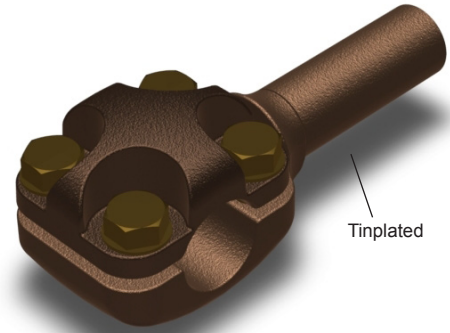
T CONNECTOR

TYPE NYT  
CABLE RUN — CABLE TAP



UL Listed 90° C, Up to 35 kV ♦

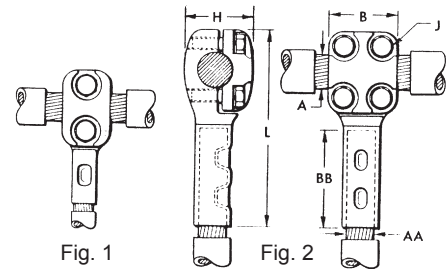
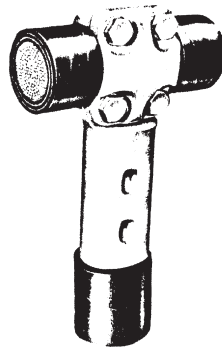
A T connector designed to provide a clamp type element on the run and a permanent HYPRESS™ connection on the tap. Recommended for use on ring buses or for applications where occasional disconnects from the run conductor are desired without disturbing the tap connection. Tin plated. For proper installation of tap cable, see table below.



C-213

Features & Benefits

- Run and tap connector manufactured with a copper cast mechanical clamp for the run conductor and a brazed copper compression barrel to accommodate the tap conductor
- This type of T-connector is used in applications when the tap connection needs to be disconnected from the run
- Accommodates a wide range of run / tap combinations
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked



Catalog Number	Conductor Size		Fig. No.	Dimensions in Inches					Installation Information				# of Indents
									HYPRESS™ and Indentor Die				
									Y29B with Y29PR	Y34A with Y34PR	Y34B with Y34PR	Y48B with Y44PR	
	Run A	Tap AA		B	BB	H	J	L	Nest Die				
NYT2828	4/0 Str.	4/0 Str.	2	2	1-5/8	1-3/8	3/8	4-5/16	D28L	A28D	B28D	E28D	1
NYT2925	250 kcmil	1/0 Str.	1	1-3/8	1-3/8	1-7/16	3/8	4-1/16	D25L	A25D	B25D	—	1
NYT2929	250 kcmil	250 kcmil	2	2	1-5/8	1-7/16	3/8	4-7/16	D29L	A29D	B29D	E29D	1
NYT3426	500 kcmil	2/0 Str.	1	1-3/8	1-1/2	1-5/8	3/8	4-7/16	D26L	A26D	B26D	—	1
NYT3428	500 kcmil	4/0 Str.	2	2	1-5/8	1-5/8	3/8	4-5/8	D28L	A28D	B28D	E28D	1
NYT3429	500 kcmil	250 kcmil	2	2	1-5/8	1-5/8	3/8	4-5/8	D29L	A29D	B29D	E29D	1
NYT3434	500 kcmil	500 kcmil	2	2	2-1/4	1-5/8	3/8	5-3/8	—	A34D	No Nest Die Req.	E34D	2
NYT3929	750 kcmil	250 kcmil	2	2	1-5/8	1-7/8	3/8	4-13/16	D29L	A29D	B29D	E29D	1
NYT3934	750 kcmil	500 kcmil	2	2	2-1/4	1-7/8	3/8	5-9/16	—	A34D	No Nest Die Req.	E34D	2
NYT4429	1000 kcmil	250 kcmil	2	2	1-5/8	2-1/8	3/8	5	D29L	A29D	B29D	E29D	1
NYT4431	1000 kcmil	350 kcmil	2	2	2	2-1/8	3/8	5-7/16	—	A31D	B31D	E31D	2
NYT4434	1000 kcmil	500 kcmil	2	2	2-1/4	2-1/8	3/8	5-3/4	—	A34D	No Nest Die Req.	E34D	2
NYT4444	1000 kcmil	1000 kcmil	2	2-11/16	3	2-5/16	1/2	7	—	—	—	No Nest Die Req.	2
NYT4646	1500 kcmil	1500 kcmil	2	2-11/16	3-3/16	2-3/4	1/2	7-11/16	—	—	—	C46D*	2

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

Note: Circumferential dies may be used. For information contact BURNDY®.

Note: All dimensions shown are for reference only.

### TYPE YAEBA-S

#### Straight Style Battery Post HYDENT™ Terminals

C-214

#6 - 4/0 AWG Solid and Stranded Copper

BURNDY post terminals are made from pure copper alloy and are tin plated to prevent corrosion. They adhere to SAE, JIS and DIN stud standards. Typical applications are automotive, marine, transportation, petrochemical, and OEM markets.

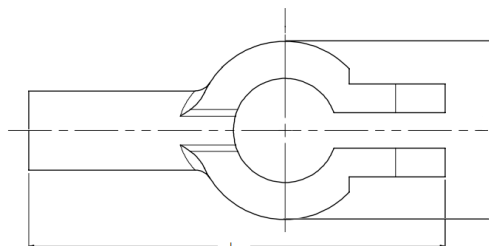
#### Features & Benefits

##### Barrel

- Color coded for easy identification
- Chamfered end
- Made of copper alloy, tin plated for corrosion resistance and RoHS compliance
- Comes standard with stainless steel hardware installed

##### Post

- Clamp color coded by polarity; red is positive; black is negative
- Not UL Listed but tested and met UL486A-486B pullout requirements



Catalog Number	Wire Range	Dimensions		Bulk Catalog Number	Conn. Color Code	Installation Tooling			Color Code Die	Die Index	Strip Length	
		L	W			Mech.	Hyd.					Dieless (# Crimps)
						MD 6 MD7-34R	PATMD6 PAT600	Y35, Y750, PAT750				
YAEBAS6CNTN	#6	2.30"	0.98"	YAEBAS6CNTNOEM	Blue	W5CVT (1)	W5CVT (1)	U5CRT (1)	Hyd. PAT81KFT PAT4-C834 PAT644 (1)	Blue	7	1-3/32"
YAEBAS6CPTN			1.02"	YAEBAS6CPTNOEM		W5CRT (1)	W5CRT (1)	W5CRT (1)				
YAEBAS4CNTN	#4		0.98"	YAEBAS4CNTNOEM	Gray	W4CVT (1)	W4CVT (1)	U4CRT (1)	Mech. MY29-11 MRC840 (1)	Gray	6	
YAEBAS4CPTN			1.02"	YAEBAS4CPTNOEM		W4CRT (1)	W4CRT (1)	W4CRT (1)				
YAEBAS2CNTN	#2		0.98"	YAEBAS2CNTNOEM	Green	W2CVT (1)	W2CVT (1)	U2CRT (1)	Mech. MY29-11 MRC840 (1)	Brown	10	
YAEBAS2CPTN			1.02"	YAEBAS2CPTNOEM		W2CRT (1)	W2CRT (1)	W2CRT (1)				
YAEBAS1CNTN	#1		0.98"	YAEBAS1CNTNOEM	Pink	W1CVT (1)	W1CVT (1)	U1CRT (1)	Mech. MY29-11 MRC840 (2)	Green	11	
YAEBAS1CPTN			1.02"	YAEBAS1CPTNOEM		W1CRT-1 (1)	W1CRT-1 (1)	W1CRT-1 (1)				
YAEBAS25NTN	1/0	0.98"	YAEBAS25NTNOEM	Black	W25VT (1)	W25VT (1)	U25RT (1)	Hyd. PAT81KFT PAT4-C834 PAT644 (1)	Pink	12		
YAEBAS25PTN		1.02"	YAEBAS25PTNOEM		W25RT (1)	W25RT (1)	W25RT (1)					
YAEBAS26NTN	2/0	0.98"	YAEBAS26NTNOEM	Orange	W26VT (1)	W26VT (1)	U26RT (1)	Mech. MY29-11 MRC840 (2)	Black	13		
YAEBAS26PTN		1.02"	YAEBAS26PTNOEM		W26RT (1)	W26RT (1)	W26RT (1)					
YAEBAS27NTN	3/0	0.98"	YAEBAS27NTNOEM	Purple	W27VT (1)	W27VT (1)	U27RT (1)	Mech. MY29-11 MRC840 (2)	Orange	14		
YAEBAS27PTN		1.02"	YAEBAS27PTNOEM		W27RT (1)	W27RT (1)	W27RT (1)					
YAEBAS28NTN	4/0	0.98"	YAEBAS28NTNOEM	Yellow	W28VT (1)	W28VT (1)	U28RT (1)	Mech. MY29-11 MRC840 (2)	Purple	15		
YAEBAS28PTN		1.02"	YAEBAS28PTNOEM		W28RT (1)	W28RT (1)	W28RT (1)					

TYPE YAEBA-F

T Style Battery Post HYDENT™ Terminals

#2 - 4/0 AWG Solid and Stranded Copper

BURNDY post terminals are made from pure copper alloy and are tin plated to prevent corrosion. They adhere to SAE, JIS and DIN stud standards. Typical applications are automotive, marine, transportation, petrochemical, and OEM markets.



C-215

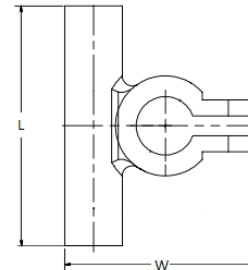
Features & Benefits

Barrel

- Color coded for easy identification
- Chamfered end
- Made of copper alloy, tin plated for corrosion resistance and RoHS compliance
- Comes standard with stainless steel hardware installed

Post

- Clamp color coded by polarity; red is positive; black is negative
- Not UL Listed but tested and met UL486A-486B pullout requirements



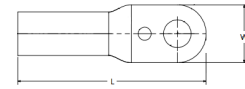
Catalog Number	Wire Range	Dimensions		Bulk Catalog Number	Conn. Color Code	Installation Tooling				Die Color Code	Die Index	Strip Length		
		L	W			Mech.	Hyd.		Dieless (# Crimps)					
						MD 6 MD7-34R	PAT MD6 PAT600	Y35, Y750, PAT750						
YAEBAF2CNTN	#2	2.36	1.89	YAEBAF2CNTNOEM	Green	W2CVT (1)	W2CVT (1)	U2CRT (1)	MECH. MY29-11 (1) MRC840 (1)	Brown	10	1-9/32		
YAEBAF2CPTN				W2CRT (1)		W2CRT (1)								
YAEBAF1CNTN	#1			1.97	YAEBAF1CNTNOEM	Pink	W1CVT (1)	W1CVT (1)		U1CRT-1 (1)			Green	11
YAEBAF1CPTN					W1CRT-1 (1)		W1CRT-1 (1)							
YAEBAF25NTN	1/0		1.97	YAEBAF25NTNOEM	Black	W25VT (1)	W25VT (1)	U25RT (1)	MECH. MY29-11 (1) MRC840 (2)	Pink	12			
YAEBAF25PTN				W25RT (1)		W25RT (1)								
YAEBAF26NTN	2/0		1.97	YAEBAF26NTNOEM	Orange	W26VT (1)	W26VT (1)	U26RT (1)	MECH. MY29-11 (1) MRC840 (2)	Black	13			
YAEBAF26PTN				W26RT (1)		W26RT (1)								
YAEBAF27NTN	3/0	1.97	YAEBAF27NTNOEM	Purple	W27VT (1)	W27VT (1)	U27RT (1)	MECH. MY29-11 (1) MRC840 (2)	Orange	14				
YAEBAF27PTN			W27RT (1)		W27RT (1)									
YAEBAF28NTN	4/0	1.97	YAEBAF28NTNOEM	Yellow	W28VT (1)	W28VT (1)	U28RT (1)	MECH. MY29-11 (1) MRC840 (2)	Purple	15				
YAEBAF28PTN			W28RT (1)		W28RT (1)									

## TYPE YAGB

### One Hole HYLUG™ Battery Terminal

C-216

#6 - 4/0 AWG Solid and Stranded Copper



BURNDY post terminals are made from pure copper alloy and are tin plated to prevent corrosion. They adhere to SAE, JIS and DIN stud standards. Typical applications are automotive, marine, transportation, petrochemical, and OEM markets.

### Features & Benefits

#### Barrel

- Color coded for easy identification
- Chamfered end
- Made of copper alloy, tin plated for corrosion resistance and RoHS compliance
- Not UL Listed but tested and met UL486A-486B pullout requirements

Catalog Number	Wire Range	Stud Size	Dimensions		Bulk Catalog Number	Conn. Color Code	Installation Tooling				Color Code (Die)	Die Index	Strip Length
			L	W			Mech.		Hyd.	Dieless (# Crimps)			
							MD 6 MD7-34R	PATMD6 PAT600					
YAGB6CLTC10FX	#6	#10	1.46"	0.44"	YAGB6CLTC10FXOEM	Blue	W5CVT (1) W5CRT (1)	W5CVT (1) W5CRT (1)	U5CRT (1)	Blue	7	7/8"	
YAGB6CLTC14FX		1/4"			YAGB6CLTC14FXOEM								
YAGB6CLTC516FX		5/16"	1.61"	0.60"	YAGB6CLTC516FXOEM								
YAGB6CLTC38FX		3/8"	YAGB6CLTC38FXOEM										
YAGB6CLTC12FX		1/2"	1.73"	0.74"	YAGB6CLTC12FXOEM								
YAGB4CLTC10FX	#4	#10	1.97"	0.75"	YAGB4CLTC10FXOEM	Gray	W4CVT (1) W4CRT (1)	W4CVT (1) W4CRT (1)	U4CRT (1)	Gray	6	15/16"	
YAGB4CLTC14FX		1/4"			YAGB4CLTC14FXOEM								
YAGB4CLTC516FX		5/16"			YAGB4CLTC516FXOEM								
YAGB4CLTC38FX		3/8"			YAGB4CLTC38FXOEM								
YAGB4CLTC12FX		1/2"			YAGB4CLTC12FXOEM								
YAGB2CLTC10FX	#2	#10	2.09"	0.81"	YAGB2CLTC10FXOEM	Green	W2CVT (1) W2CRT (1)	W2CVT (1) W2CRT (1)	U2CRT (1)	Brown	10	15/16"	
YAGB2CLTC14FX		1/4"			YAGB2CLTC14FXOEM								
YAGB2CLTC516FX		5/16"			YAGB2CLTC516FXOEM								
YAGB2CLTC38FX		3/8"			YAGB2CLTC38FXOEM								
YAGB2CLTC12FX		1/2"			YAGB2CLTC12FXOEM								
YAGB25LTC14FX	1/0	1/4"	2.40"	0.87"	YAGB25LTC14FXOEM	Black	W25VT (1) W25RT (1)	W25VT (1) W25RT (1)	U25RT (1)	Pink	12	1-3/16"	
YAGB25LTC516FX		5/16"			YAGB25LTC516FXOEM								
YAGB25LTC38FX		3/8"			YAGB25LTC38FXOEM								
YAGB25LTC12FX		1/2"			YAGB25LTC12FXOEM								
YAGB26LTC14FX	2/0	1/4"	2.44"	0.91"	YAGB26LTC14FXOEM	Orange	W26VT (1) W26RT (1)	W26VT (1) W26RT (1)	U26RT (1)	Black	13	1-3/16"	
YAGB26LTC516FX		5/16"			YAGB26LTC516FXOEM								
YAGB26LTC38FX		3/8"			YAGB26LTC38FXOEM								
YAGB26LTC12FX		1/2"			YAGB26LTC12FXOEM								
YAGB28LTC14FX	4/0	1/4"	2.56"	1.10"	YAGB28LTC14FXOEM	Yellow	W28VT (1) W28RT (1)	W28VT (1) W28RT (1)	U28RT (1)	Purple	15	1-3/16"	
YAGB28LTC516FX		5/16"			YAGB28LTC516FXOEM								
YAGB28LTC38FX		3/8"			YAGB28LTC38FXOEM								
YAGB28LTC12FX		1/2"			YAGB28LTC12FXOEM								



**TYPE YCP-L**

**Compression Cable Pulling Heads**

Before using this product, it is required to read, understand, and comply with the Safety Operation Maintenance & Installation manual provided with the product.

**Features & Benefits**

- Range-taking; only 6 compression pulling heads are required to pull #1 AWG through 1000 kcmil wire
- Accommodates:
  - Copper Class B (Concentric, Compressed, Compact) or Class C wire
  - Aluminum Class B (Concentric, Compressed, Compact)
- Easy to install with the 644 Series of dieless installation tools (PAT644 or Y644)
- Parallel installation; each of the 6 compression pulling heads come in 5 unique lanyard lengths for staggering when pulling multiple wire
- Knurl crimp bands clearly indicate the crimp zone locations on the compression pulling head barrels



PAT644 Shown

C-217

Catalog Number	Barrel OD (in)	Wire Size (Cu & AL)	Copper Max. Rated Pull Load/ Cable (lbs)	Aluminum Max. Rated Pull Load/ Cable (lbs)	Lanyard Length (in)	Minimum Wire Strip Length (in)	Installation Tooling (# of Crimps)
YPC25L13	.51"	#1 - 1/0 AWG	1,200	400	13"	2.50"	PAT644 (1) Y644 (1)
YPC25L20					20"		
YPC25L27					27"		
YPC25L34					34"		
YPC25L41					41"		
YPC28L13	.69"	2/0 AWG 3/0 AWG 4/0 AWG	1,200 2,000 2,000	400 750 1,000	13"	3.00"	PAT644 (2) Y644 (2)
YPC28L20					20"		
YPC28L27					27"		
YPC28L34					34"		
YPC28L41					41"		
YPC31L13	.88"	250 kcmil 300 kcmil 350 kcmil	2,000 4,000 4,000	1,200 1,500 1,800	13"	3.25"	PAT644 (3) Y644 (3)
YPC31L20					20"		
YPC31L27					27"		
YPC31L34					34"		
YPC31L41					41"		
YPC34L13	1.06"	400 kcmil 450 kcmil 500 kcmil	4,000 5,000 5,000	2,000 2,400 2,700	13"	3.25"	PAT644 (3) Y644 (3)
YPC34L20					20"		
YPC34L27					27"		
YPC34L34					34"		
YPC34L41					41"		

### TYPE YCP-L

### Compression Cable Pulling Heads

(Continued)

C-218



Catalog Number	Barrel OD (in)	Wire Size (Cu & AL)	Copper Max. Rated Pull Load/ Cable (lbs)	Aluminum Max. Rated Pull Load/ Cable (lbs)	Lanyard Length (in)	Minimum Wire Strip Length (in)	Installation Tooling (# of Crimps)
YPC39L13	1.30"	550 kcmil 600 kcmil 650 kcmil 700 kcmil 750 kcmil	5,000	3,000 3,200 3,600 3,600 3,600	13"	3.25"	PAT644 (3) Y644 (3)
YPC39L20					20"		
YPC39L27					27"		
YPC39L34					34"		
YPC39L41					41"		
YPC44L13	1.50"	800 kcmil 900 kcmil 1000 kcmil	5,000	3,600 3,600 5,000	13"	3.25"	PAT644 (3) Y644 (3)
YPC44L20					20"		
YPC44L27					27"		
YPC44L34					34"		
YPC44L41					41"		



PAT644 Shown