

Catalog Number Type	Wire Size	Color Code and Die Index Number	Mechanical & Ratchet Dies Required (# Crimps)		Mechanical & Ratchet Dedicated Die Tools # Crimps				
	Conductor (CU Only)		MD6 and MD7 Series <small>*Due to handle force not recommended</small>	OUR840 <small>*Due to handle force not recommended</small>	MY28 and MY29 Series	MRC840	MRE1022B Y8MRB1 Y10D Y1022	Y122CMR	Y1MRTC
YA-10	#14 - #10 Str #12 - #10 Sol B,C	—	—	—	—	—	1 CRIMP	1 CRIMP	—
YA-8C-L	#8 AWG B,C,G,H,I,K,M DLO #6 Sol / #8 Sol	RED 49	X8CRT (1) W8CRT (1) W8CVT (1)	X8CRT (1) W8CRT (1) W8CVT (1)	1 CRIMP	1 CRIMP	—	1 CRIMP	1 CRIMP
YA-6C-L	#6 AWG Str / Sol B,C	BLUE 7	X5CRT (1) W5CRT (1) W5CVT (1)	X5CRT (1) W5CRT (1) W5CVT (1)	1 CRIMP	1 CRIMP	—	1 CRIMP	1 CRIMP
YA-5C-L	#5 AWG B,C	BLUE 7	X5CRT (1) W5CRT (1) W5CVT (1)	X5CRT (1) W5CRT (1) W5CVT (1)	1 CRIMP	1 CRIMP	—	1 CRIMP	1 CRIMP
YA-4C-L	#4 AWG B,C	GRAY 8	X4CRT (1) W4CRT (1) W4CVT (1)	X4CRT (1) W4CRT (1) W4CVT (1)	1 CRIMP	1 CRIMP	—	2 CRIMPS	2 CRIMPS
YA-3C-L	#3 Str / #2 Sol B,C	WHITE 9	W3CRT (1)	W3CRT (1)	1 CRIMP	1 CRIMP	—	2 CRIMPS	2 CRIMPS
YA-2C-L	#2 AWG B,C	BROWN 10	X2CRT (1) W2CRT (1) W2CVT (1)	X2CRT (1) W2CRT (1) W2CVT (1)	1 CRIMP	1 CRIMP	—	2 CRIMPS	2 CRIMPS
YA-1C-L	#1 AWG B,C	GREEN 11	X1CRT1 (1) W1CRT1 (1) W1CVT (1)	X1CRT1 (1) W1CRT1 (1) W1CVT (1)	1 CRIMP	1 CRIMP	—	—	2 CRIMPS
YA-25-L	1/0 AWG B,C	PINK 12	X25RT (2) W25RT (2) W25VT (2)	X25RT (2) W25RT (2)* W25VT (2)*	1 CRIMP	2 CRIMPS	—	—	—
YA-26-L	2/0 AWG B,C	BLACK 13	X26RT (2) W26RT (2) W26VT (2)	X26RT (2) W26RT (2)* W26VT (2)*	1 CRIMP	2 CRIMPS	—	—	—
YA-27-L	3/0 AWG B,C	ORANGE 14	X27RT (3) W27RT (2) W27VT (2)	X27RT (3) W27RT (2)* W27VT (2)*	1 CRIMP	2 CRIMPS	—	—	—
YA-28-L	4/0 AWG B,C	PURPLE 15	X28RT (3) W28RT (2) W28VT (2)	X28RT (3) W28RT (2)* W28VT (2)*	1 CRIMP	2 CRIMPS	—	—	—
YA-29-L	250 kcmil B,C	YELLOW 16	X29RT (4) W29RT (2) W29VT (2)	X29RT (4) W29RT (2)* W29VT (2)*	1 CRIMP	—	—	—	—
YA-30-L	300 kcmil B,C	WHITE 17	W30RT (2)* W30VT (2)	—	—	—	—	—	—
YA-31-L	350 kcmil B,C	RED 18	W31RT (2)* W31VT (2)	—	—	—	—	—	—
YA-32-L	400 kcmil B,C	BLUE 19	W32RT (2)* W32VT (2)	—	—	—	—	—	—
YA-33-L	450 kcmil B,C	GRAY 326	W33RT (2)* W33VT (2)	—	—	—	—	—	—
YA-34-L	500 kcmil B,C	BROWN 20	W34RT (2)* W34VT (2)	—	—	—	—	—	—

# Compression Connections

## Copper Code Standard Barrel Terminal Tooling Table Hydraulic Requiring Dies and Dieless

Catalog Number Type	Wire Size	Color Code and Die Index Number	Hydraulic Tools - Dies Required (# Crimps)					Hydraulic Tools - Dieless	
	Conductor (CU Only)		MD6, 600, 500 Series	750, 35 Series	45 Series Use PT6515 with U Dies	46 Series Use PUADP1 with U Dies	60 Series	81K 4PC Series	644 444 Series
YA-10	#14 - #10 Str #12 - #10 Sol B,C	—	—	—	—	—	—	—	—
YA-8C-L	#8 AWG B,C,G,H,I,K,M DLO #6 Sol / #8 Sol	RED 49	X8CRT (1) W8CRT (1) W8CVT (1)	U8CRT (1)	U8CRT (1)	U8CRT (1)	—	1 CRIMP	—
YA-6C-L	#6 AWG Str / Sol B,C	BLUE 7	X5CRT (1) W5CRT (1) W5CVT (1)	U5CRT (1)	U5CRT (1)	U5CRT (1)	—	1 CRIMP	—
YA-5C-L	#5 AWG B,C	BLUE 7	X5CRT (1) W5CRT (1) W5CVT (1)	U5CRT (1)	U5CRT (1)	U5CRT (1)	—	1 CRIMP	—
YA-4C-L	#4 AWG B,C	GRAY 8	X4CRT (1) W4CRT (1) W4CVT (1)	U4CRT (1)	U4CRT (1)	U4CRT (1)	—	1 CRIMP	1 CRIMP
YA-3C-L	#3 Str / #2 Sol B,C	WHITE 9	W3CRT (1)	U3CRT (1)	U3CRT (1)	U3CRT (1)	—	1 CRIMP	1 CRIMP
YA-2C-L	#2 AWG B,C	BROWN 10	X2CRT (1) W2CRT (1) W2CVT (1)	U2CRT (1)	U2CRT (1)	U2CRT (1)	—	1 CRIMP	1 CRIMP
YA-1C-L	#1 AWG B,C	GREEN 11	X1CRT1 (1) W1CRT1 (1) W1CVT (1)	U1CRT1 (1)	U1CRT1 (1)	U1CRT1 (1)	—	1 CRIMP	1 CRIMP
YA-25-L	1/0 AWG B,C	PINK 12	X25RT (2) W25RT (2) W25VT (2)	U25RT (1)	U25RT (1)	U25RT (1)	—	1 CRIMP	1 CRIMP
YA-26-L	2/0 AWG B,C	BLACK 13	X26RT (2) W26RT (2) W26VT (2)	U26RT (1)	U26RT (1)	U26RT (1)	—	1 CRIMP	1 CRIMP
YA-27-L	3/0 AWG B,C	ORANGE 14	X27RT (3) W27RT (2) W27VT (2)	U27RT (1)	U27RT (1)	U27RT (1)	—	2 OVERLAPPING CRIMPS	1 CRIMP
YA-28-L	4/0 AWG B,C	PURPLE 15	X28RT (3) W28RT (2) W28VT (2)	U28RT (1)	U28RT (1)	U28RT (1)	L28RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP
YA-29-L	250 kcmil B,C	YELLOW 16	X29RT (4) W29RT (2) W29VT (2)	U29RT (1)	U29RT (1)	U29RT (1)	L29RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP
YA-30-L	300 kcmil B,C	WHITE 17	W30RT (2) W30VT (2)	U30RT (2)	U30RT (2)	U30RT (2)	L30RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP
YA-31-L	350 kcmil B,C	RED 18	W31RT (2) W31VT (2)	U31RT (2)	U31RT (2)	U31RT (2)	L31RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP
YA-32-L	400 kcmil B,C	BLUE 19	W32RT (2) W32VT (2)	U32RT (2)	U32RT (2)	U32RT (2)	L32RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP

Catalog Number Type	Wire Size	Color Code and Die Index Number	Hydraulic Tools - Dies Required (# Crimps)					Hydraulic Tools - Dieless	
	Conductor (CU Only)		MD6, 600, 500 Series	750, 35 Series	45 Series Use PT6515 with U Dies	46 Series Use PUADP1 with U Dies	60 Series	81K 4PC Series	644 444 Series
YA-33-L	450 kcmil B,C	GRAY 326	W33RT (2) W33VT (2)	U33RT (2)	U33RT (2)	U33RT (2)	L33RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP
YA-34-L	500 kcmil B,C	BROWN 20	W34RT (2) W34VT (2)	U34RT (2)	U34RT (2)	U34RT (2)	L34RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP
YA-35-L	550 kcmil B,C	YELLOW 21	—	U35RT (2)	U35RT (2)	U35RT (2)	L35RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP
YA-36-L	600 kcmil B,C	GREEN 22	—	U36RT (2)	U36RT (2)	U36RT (2)	L36RT (1)	2 OVERLAPPING CRIMPS	1 CRIMP
YA-37-L	650 kcmil B,C	ORANGE 23	—	U37RT (2)	U37RT (2)	U37RT (2)	L37RT (1)	3 OVERLAPPING CRIMPS	1 CRIMP
YA-38-L	700 kcmil B,C	PINK 400	—	U38RT (2)	U38RT (2)	U38RT (2)	L38RT (1)	3 OVERLAPPING CRIMPS	1 CRIMP
YA-39-L	750 kcmil B,C	BLACK 24	—	U39RT (2)	U39RT (2)	U39RT (2) P39RT (2)	L39RT (1)	3 OVERLAPPING CRIMPS	1 CRIMP
YA-40-L	800 kcmil B,C	ORANGE 25	—	—	S40RT (3)	P40RT (3)	L40RT (1)	3 OVERLAPPING CRIMPS	1 CRIMP
YA-41-L	850 kcmil B,C	GOLD 26	—	—	—	P41D with P44PR (1)	—	3 OVERLAPPING CRIMPS	1 CRIMP
YA-44-L	1000 kcmil B,C	WHITE 27	—	—	S44RT (3)	P44RT (3)	L44RT (2)	3 OVERLAPPING CRIMPS	1 CRIMP
YA-45-L	1250 kcmil B,C	YELLOW 29	—	—	S45RT (3)	P45RT (3)	L45RT (2)	—	—
YA-453-L	1300 kcmil B,C	ORANGE 30	—	—	—	—	—	—	—
YA-46-L	1500 kcmil B,C	GREEN 31	—	—	S46RT (3)	P46RT (3)	L46RT (2)	—	—
YA-47-L	1750 kcmil B,C	GRAY 33	—	—	—	—	L47RT (2)	—	—
YA-48-L	2000 kcmil B,C	BROWN 34	—	—	—	—	L48RT (3)	—	—

### Installation Instructions

Installation instructions help the installer understand proper wire preparation, proper insertion requirements, crimp zone location, individual crimp location, crimp order and crimp direction, to ensure safe and reliable wire connections. UL Listing and CSA Certification are only valid when using the BURNDY® Engineered System and following BURNDY Installation Instructions.

#### Copper Code Standard Barrel Terminal Installation Steps:

- Select the appropriate connector based on:
  - Wire Material
  - Wire Construction
  - Wire Size
- Strip the insulation to the appropriate wire strip length, based on the table's Wire Strip Length recommendation for the selected connector. Due to tolerances in the connector, wire strip length, and insulation stripping tools, this range may be 0" - 1/4". The exposed wire, also known as a "shiner", has no performance impact on the connection and there is no wire exposure requirement by BURNDY.
- As a best practice, wire brush the bare conductor to remove any oxides. DO NOT wire brush tin-plated connectors.
- Insert the conductor into the barrel for the full length. If the connector has an inspection window, the conductor end can easily be seen to verify full wire insertion.
- Apply the proper number of crimps specified by the appropriate illustration.
- \*Some catalog numbers require overlapping crimps when using the 81K or 4PC Series of installation tools. Please refer to the overlapping crimp image that is applicable based on the number of crimps required. Overlap each consecutive crimp so that the completed installation of all overlapping crimps covers the entire crimp zone.
- Once all crimps have been completed, the connection can be easily inspected for proper installation.

**NOTE:** Illustrations show black bands however this is just a representation of the crimp zones. See individual connector for actual crimp band color.

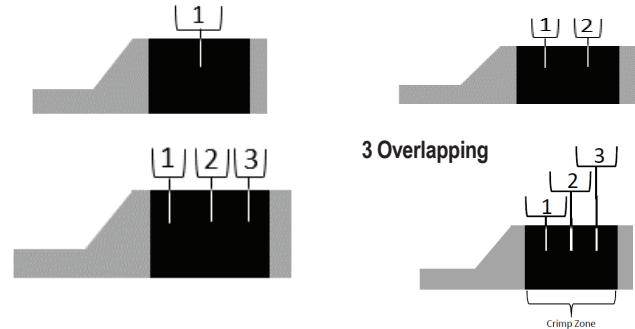
#### Example: YA28LBOX

- Go to the YA-28-L Catalog Number Designation for 4/0 AWG.
- Confirm the Tool (750 Series for this example).
- Confirm the Die Set Needed (U28RT for this example)
- Confirm the Number of Crimps Necessary (1 for this example)
- For proper crimp placement refer to the image on this page corresponding to the number of crimps.



#### CATALOG NUMBER DESIGNATIONS

YA-8C-L	YA-6C-L	YA-5C-L	YA-4C-L	YA-3C-L	YA-2C-L
YA-1C-L	YA-37-L*	YA-38-L*	YA-40-L*	YA-41-L*	YA-44-L*



#### CATALOG NUMBER DESIGNATIONS

YA-25-L	YA-26-L	YA-27-L*	YA-28-L*	YA-29-L*	YA-30-L*
YA-31-L*	YA-32-L*	YA-33-L*	YA-34-L*	YA-35-L*	YA-36-L*
YA-39-L*	YA-45-L	YA-453-L	YA-46-L	YA-47-L	YA-48-L

