

Compression Connections

Copper Flex Long Barrel Splice Tooling Table Mechanical/Ratchet (Dedicated Die or Requiring Dies)

Catalog Number Type	Wire Size	Color Code and Die Index Number	Mechanical & Ratchet Dies Required (# Crimps)		Mechanical & Ratchet Dedicated Die Tools # Crimps				
	Classes G,H,I,K,M DLO Conductor (CU)		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
YS8C	#8 AWG G,H,I,K,M DLO #6 Sol #8 Sol	RED 49	X8CRT (2) W8CRT (2) W8CVT (2)	X8CRT (2) W8CRT (2) W8CVT (2)	2 CRIMPS	2 CRIMPS	—	2 CRIMPS	2 CRIMPS
YSV6CFX	#6 AWG G,H,I,K,M DLO	BLUE 7	X5CRT (2) W5CRT (2) W5CVT (2)	X5CRT (2)	2 CRIMPS	2 CRIMPS	—	1 CRIMP	1 CRIMP
YSV4CFX	#4 AWG G,H,I,K,M DLO	GRAY 8	X4CRT (2) W4CRT (2) W4CVT (2)	X4CRT (2)	2 CRIMPS	2 CRIMPS	—	4 CRIMPS	4 CRIMPS
YSV3CFX	#3 AWG G,H,I,K,M DLO	WHITE 9	W3CRT (2)	W3CRT (2)	2 CRIMPS	2 CRIMPS	—	4 CRIMPS	4 CRIMPS
YSV2CFX	#2 AWG G,H,I,K,M DLO	BROWN 10	X2CRT (2) W2CRT (2) W2CVT (2)	X2CRT (2)	2 CRIMPS	2 CRIMPS	—	4 CRIMPS	4 CRIMPS
YSV1CFX	#1 AWG G,H,I,K,M DLO	GREEN 11	X1CRT1 (2) W1CRT1 (2) W1CVT (2)	X1CRT1 (2)	2 CRIMPS	2 CRIMPS	—	—	—
YSV25FX	1/0 AWG G,H,I,K,M DLO	PINK 12	X25RT (4) W25RT (4) W25VT (4)	X25RT (4) W25VT (4)*	2 CRIMPS	4 CRIMPS	—	—	—
YSV26FX	2/0 AWG G,H,I,K,M DLO	BLACK 13	X26RT (4) W26RT (4) W26VT (4)	X26RT (4) W26VT (4)*	2 CRIMPS	4 CRIMPS	—	—	—
YSV27FX	3/0 AWG G,H,I,K,M DLO	ORANGE 14	X27RT (4) W27RT (4) W27VT (4)	X27RT (4) W27VT (4)*	2 CRIMPS	4 CRIMPS	—	—	—
YSV28FX	4/0 AWG G,H,I,K,M DLO	PURPLE 15	X28RT (6) W28RT (4) W28VT (4)	X28RT (6) W28VT (4)*	2 CRIMPS	4 CRIMPS	—	—	—
YSV29FX	4/0 AWG G,H,I,K,M DLO	YELLOW 16	X29RT (8) W29RT (4) W29VT (4)	X29RT (8) W29VT (4)*	2 CRIMPS	—	—	—	—
YS30FX	250 kcmil G, H	YELLOW 16	X29RT (4) W29RT (4)* W29VT (4)	X29RT (8) W29VT (4)*	—	—	—	—	—
YS31FX	250 kcmil I,K,M 262 DLO	WHITE 17	W30VT (4)	—	—	—	—	—	—
YS32FX	300 kcmil G,H,I,K,M 313 DLO	RED 18	W31VT (4)	—	—	—	—	—	—
YS34FX	350 kcmil G,H,I,K,M 373 DLO	BLUE 19	W32VT (4)	—	—	—	—	—	—

*Due to handle force not recommended.

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Copper Flex Long Barrel Splice 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	
	Class B, C 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
YS8C	#8 AWG G,H,I,K,M DLO #6 Sol #8 Sol	RED 49	X8CRT (2) W8CRT (2) W8CVT (2)	U8CRT (2)	U8CRT (2)	U8CRT (2)	—	1 CRIMP	—
YSV6CFX	#6 AWG Str Sol	BLUE 7	X5CRT (2) W5CRT (2) W5CVT (2)	U5CRT (2)	U5CRT (2)	U5CRT (2)	—	1 CRIMP	—
YSV4CFX	#4 AWG G,H,I,K,M DLO	GRAY 8	X4CRT (2) W4CRT (2) W4CVT (2)	U4CRT (2)	U4CRT (2)	U4CRT (2)	—	1 CRIMP	—
YSV3CFX	#3 AWG G,H,I,K,M DLO	WHITE 9	W3CRT (2)	U3CRT (2)	U3CRT (2)	U3CRT (2)	—	2 CRIMPS	—
YSV2CFX	#2 AWG G,H,I,K,M DLO	BROWN 10	X2CRT (2) W2CRT (2) W2CVT (2)	U2CRT (2)	U2CRT (2)	U2CRT (2)	—	2 CRIMPS	1 CRIMP
YSV1CFX	#1 AWG G,H,I,K,M DLO	GREEN 11	X1CRT1 (2) W1CRT1 (2) W1CVT (2)	U1CRT1 (2)	U1CRT1 (2)	U1CRT1 (2)	—	2 CRIMPS	1 CRIMP
YSV25FX	1/0 AWG G,H,I,K,M DLO	PINK 12	X25RT (4) W25RT (4) W25VT (4)	U25RT (2)	U25RT (2)	U25RT (2)	—	2 CRIMPS	1 CRIMP
YSV26FX	2/0 AWG G,H,I,K,M DLO	BLACK 13	X26RT (4) W26RT (4) W26VT (4)	U26RT (2)	U26RT (2)	U26RT (2)	—	2 CRIMPS	1 CRIMP
YSV27FX	3/0 AWG G,H,I,K,M DLO	ORANGE 14	X27RT (6) W27RT (4) W27VT (4)	U27RT (2)	U27RT (2)	U27RT (2)	—	2 CRIMPS	1 CRIMP
YSV28FX	4/0 AWG G,H,I,K,M DLO	PURPLE 15	X28RT (6) W28RT (4) W28VT (4)	U28RT (2)	U28RT (2)	U28RT (2)	L28RT (1)	2 CRIMPS	1 CRIMP
YSV29FX	4/0 AWG G,H,I,K,M DLO	YELLOW 16	X29RT (8) W29RT (4) W29VT (4)	U29RT (2)	U29RT (2)	U29RT (2)	L29RT (1)	2 CRIMPS	1 CRIMP
YS30FX	250 kcmil G, H	YELLOW 16	X29RT (8) W29RT (4) W29VT (4)	U29RT (2)	U29RT (2)	U29RT (2)	L30RT (1)	2 CRIMPS	1 CRIMP
YS31FX	250 kcmil I,K,M 262 DLO	WHITE 17	W30RT (4) W30VT (4)	U30RT (4)	U30RT (4)	U30RT (4)	L31RT (1)	2 CRIMPS	1 CRIMP
YS32FX	300 kcmil G,H,I,K,M 313 DLO	RED 18	W31RT (4) W31VT (4)	U31RT (4)	U31RT (4)	U31RT (4)	L32RT (1)	2 CRIMPS	1 CRIMP
YS34FX	350 kcmil G,H,I,K,M 373 DLO	BLUE 19	W32RT (4) W32VT (4)	U32RT (4)	U32RT (4)	U32RT (4)	L34RT (1)	2 CRIMPS	1 CRIMP

Compression Connections

Copper Flex Long Barrel Splice 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	
	Class B, C 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
YS36FX	500 kcmil G,H 444 DLO	BROWN 20	—	U34RT (4)	U34RT (4)	U34RT (4)	L36RT (1)	2 CRIMPS	1 CRIMP
YS38FX	500 kcmil H,I,K 550 kcmil G,H,I 535 DLO	PINK L99	—	U38XRT (4)	U38XRT (4)	U38XRT (4)	L38RT (2)	2 CRIMPS	1 CRIMP
YS40FX	650 kcmil G 646 DLO	BLACK 24	—	U39RT (4)	U39RT (4)	U39RT (4)	L40RT (1)	3 CRIMPS	1 CRIMP
YS44FX	750 kcmil G,H,I 777 DLO	YELLOW L115	—	U44XRT (4)	U44XRT (4)	U44XRT (4) P44XRT (4)	L44RT (2)	3 CRIMPS	1 CRIMP

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 Flex Long Barrel Splice 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 until flush against the conductor stops halfway into the splice connector.
- Apply the proper number of crimps specified by the appropriate illustration for the side with conductor inserted.
- Use the same steps 2-5 for the other side of the splice.
- Once all crimps have been completed, the connection can be easily inspected for proper installation with the die/indicia embossment.

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

Example: YSV26FX

Go to the YSV26FX Catalog Number Designation for 2/0 AWG G,H,I,K,M or DLO.
 Confirm the Tool (750 Series for this example).
 Confirm the Die Set Needed (U26RT for this example)
 Confirm the Number of Crimps Necessary (2 each side for this example)
 For proper crimp placement refer to the image on this page corresponding to the number of crimps.

The BURNDY® Engineered System:



Splice

750 Series Tool

Die Set

Completed Crimp Installation

