



## COPPER COMPRESSION CONNECTOR INSTALLATION

1. Use a connector marked for the wire size and wire material to be used. NEVER use a copper connector on aluminum wire.
2. Strip wire insulation to approximate length shown on tool chart. DO NOT nick or ring the conductor strands.
3. Clean the wire.
4. Insert stripped wire into connector until the wire stops.
5. Use tool chart on reverse side of this sheet to: a) select crimp tool to terminate part, b) select crimp die listed under tool selection by matching crimp die color code and die index number of crimp die to color bands and die index number marked on connector c) Note number of crimps to be placed in connector is shown in ( ) next to die color code and die index number in tool chart. d) Crimp connector by placing first crimp in barrel near the tongue of the lug or wire stop in the splice and place successive crimps in the barrel of the connector working towards the wire entry. Evenly space crimps on barrel of the connector using barrel stripes as a guide. Barrel stripes do not designate the number of crimps to be placed in barrel of the connector.
6. After crimping, inspect for sharp edges, flash or burrs and remove if present.

## HEAT SHRINK INSULATION INSTRUCTION

1. Refer to Panduit catalog or [www.panduit.com](http://www.panduit.com) for heat shrink material information, tubing size, voltage rating, and shrink temperature.
2. Cut tubing to length allowing insulation coverage as desired. Allow a minimum of 1-1/2" inch overlap on wire insulation.
3. Shrink with a standard propane torch or heat gun, MOVING FROM CRIMPED PORTION OF CONNECTOR TOWARD INSULATED WIRE. Adhesive flow at ends indicate shrinkage complete.

**Tool Chart for Compression Connectors**  
**Types LCAX, LCAXN, LCDX, LCDXN, LCEX, LCJX, and SCSX with Copper Cable**

Panduit Part Number	Std. Wire Size	Cable Classes	Wire Strip Length (In.)	CT-1700 <sup>①</sup>	<b>A</b> See Tool List Below	<b>B</b> See Tool List Below	CT-3980 CT-3980/INT CT-3980/UK CT-3980/AUS CT-3980/TO Uni-Die™ Dieless Tool
				Die Part Number/Color Code and Die Index Number/(Number of Crimps)			
LCAX8, LCDX8, LCDXN8**, LCEX8, LCJX8	#8 SOL #8 STR #6 SOL	Compact, B, G, H, I, K, M, Locomotive (DLO) MIL-W-5086*	1/2	Red P21 (2)	CD-2001-8 Red P21 (1)	CD-920-8 Red P21 (1)	Std. (1)
SCSX8			9/16				
LCAX6, LCDX6, LCDXN6, LCEX6 LCJX6, SCSX6	#6 AWG	Compact, B, G, H, I, K, M, Locomotive (DLO) MIL-W-5086*	9/16	Blue P24 (2)	CD-2001-6 Blue P24 (1)	CD-920-6 Blue P24 (1)	Std. (1)
LCAX4, LCDX4, LCDXN4, LCEX4 LCJX4, SCSX4	#4 AWG	Compact, B, G, H, I, K, M MIL-W-5086*	5/8	Gray P29 (2)	CD-2001-4 Gray P29 (1)	CD-920-4 Gray P29 (1)	Std. (1)
	#5, #4, #3	Locomotive (DLO)					
LCAX2, LCDX2, LCDXN2, LCEX2, LCJX2	#2 AWG	Compact, B, G, H, I, K, M, Locomotive (DLO)	11/16	Brown P33 (2)	CD-2001-2 Brown P33 (1)	CD-920-2 Brown P33 (1)	Std. (1)
LCAX1, LCDX1, LCDXN1, LCEX1, LCJX1	#1 AWG	Compact, B, G, H, I, K, M, Locomotive (DLO)	3/4	—	CD-2001-1 Green P37 (1)	CD-920-1 Green P37 (1)	Std. (1)
LCAX1/0, LCAXN1/0, LCDX1/0, LCDXN1/0, LCEX1/0, LCJX1/0	1/0 AWG	Compact, B, G, H, I, K, M, Locomotive (DLO)	3/4	—	CD-2001-1/0 Pink P42 (2)	CD-920-1/0 Pink P42 (1)	Std. (1)
LCAX2/0, LCAXN2/0, LCDX2/0, LCDXN2/0, LCEX2/0, LCJX2/0, SCSX2/0	2/0 AWG	Compact, B, G, H, I, K, M, Locomotive (DLO) MIL-W-5086*	7/8	—	CD-2001-2/0 Black P45 (2)	CD-920-2/0 Black P45 (1)	Std. (1)
LCAX3/0, LCAXN3/0, LCDX3/0, LCDXN3/0, LCEX3/0, LCJX3/0	3/0 AWG	Compact, B, G, H, I, K, M, Locomotive (DLO)	1	—	CD-2001-3/0 Orange P50 (2)	CD-920-3/0 Orange P50 (1)	Std. (1)

- ① The crimp die pockets are integrated into the tool frame.
- ③ CD-920 dies can be used with CT-940CH and CT-2940 tools with die adapter  
 \* SCSX Parts Only  
 \*\* LCDXN8 to only be used with #8 STR wire

**A** CT-2001, CT-2001/L, CT-2001/LE, CT-2002, CT-2002/L, CT-3001, CT-3001/E, CT-3001/ST, CT-3001/STINT, CT-3001/STUK, CT-3001/STAUS, CT-3001/TO, CT-3001/CCP, CT-3001/CCPINT, CT-3001/CCPUK, CT-3001/CCPAUS, CT-3001/CCPTO

**B** CT-920, CT-920/CV, CT-920CH, CT-920CH/CV, CT-920CH/CCP, CT-930, CT-930CH, CT-940CH<sup>③</sup>, CT-2920, CT-2920/CCP, CT-2920/CCPINT, CT-2920/CCPUK, CT-2920/CCPAUS, CT-2920/CCPTO, CT-2930, CT-2930/L, CT-2930/LE, CT-2931, CT-2931/ST, CT-2931/STINT, CT-2931/STUK, CT-2931/STAUS, CT-2931/TO, CT-2931/STCV, CT-2931/STCVINT, CT-2931/STCVUK, CT-2931/STCVAUS, CT-2931/CVTO, CT-2940<sup>③</sup>, CT-2940/L<sup>③</sup>, CT-2940/LE<sup>③</sup>, CT-2940/ST<sup>③</sup>, CT-2940/STINT<sup>③</sup>, CT-2940/STUK<sup>③</sup>, CT-2940/STAUS<sup>③</sup>, CT-2940/TO<sup>③</sup>

**Tool Chart for Compression Connectors**  
**Types LCAX, LCAXN, LCDX, LCDXN, LCEX, LCJX, and SCSX with Copper Cable**

Panduit Part Number	Std. Wire Size AWG	Cable Classes	Wire Strip Length (In.)	CT-1700 <sup>①</sup>	<b>A</b> See Tool List Below	<b>B</b> See Tool List Below	CT-3980 CT-3980/INT CT-3980/UK CT-3980/AUS CT-3980/TO Uni-Die™ Dieless Tool
				Die Part Number/Color Code and Die Index Number/(Number of Crimps)			
LCAX4/0, LCAXN4/0, LCDX4/0, LCDXN4/0, LCEX4/0, LCJX4/0, SCSX4/0+	4/0	Compact, B, G, H, I, K, M, Locomotive (DLO) MIL-W-5086*	1-1/16	—	CD-2001-4/0 Purple P54 (2)	CD-920-4/0 Purple P54 (1)	Std. (1)
LCAX250, LCAXN250, LCDX250, LCDXN250, LCEX250, LCJX250	250 kcmil	G, H, I, K, M	1-1/16	—	CD-2001-250 Yellow P62 (2)	CD-920-250 Yellow P62 (1)	Std. (1)
	262.6 kcmil	Locomotive (DLO)					
LCAX300, LCAXN300, LCDX300, LCDXN300, LCEX300, LCJX300	300 kcmil	G, H, I, K, M	1-1/4	—	CD-2001-350 Red P71 (2)	CD-920-350 Red P71 (2)	Std. (1)
	313.1 kcmil	Locomotive (DLO)					
LCAX350, LCAXN350, LCDX350, LCDXN350, LCEX350, LCJX350	350 kcmil	G, H, I, K, M	1-3/8	—	CD-2001-400 Blue P76 (2)	CD-920-400 Blue P76 (2)	Std. (1)
	373.7 kcmil	Locomotive (DLO)					
LCAX450, LCAXN450, LCDX450, LCEX450, LCJX450	450 kcmil	G, H, I, K, M	1-7/16	—	—	CD-920-500 Brown P87 (2)	—
	444.4 kcmil	Locomotive (DLO)					
LCAX500, LCAXN500, LCDX500, LCDXN500, LCEX500, LCJX500	500 kcmil	G, H, I, K, M	1-9/16	—	—	CD-920-500A Pink P99 (2)	—
	535.3 kcmil	Locomotive (DLO)					
LCAX600, LCDX600, LCDXN600, LCEX600, LCJX600	600 kcmil	G, H, I	1-9/16	—	—	CD-920-500A Pink P99 (2)	—
LCAX650, LCDX650, LCDXN650, LCEX650, LCJX650	646.4 kcmil	Locomotive (DLO)	1-1/2	—	—	CD-940-750 <sup>④</sup> Black P106 (2)	—
LCAX750, LCDX750, LCDXN750, LCEX750, LCJX750	777.7 kcmil	Locomotive (DLO)	1-3/4	—	—	CD-940-750X <sup>④</sup> Yellow (2)	—

- ① The crimp die pockets are integrated into the tool frame.
  - ③ CD-920 dies can be used with CT-940CH and CT-2940 tools with die adapter.
  - ④ CD-940 dies to be used exclusively with CT-940CH and CT-2940 series tools.
- \* SCSX Parts Only  
 + SCSX4/0 Not UL Listed with Class M Wire.

**A** CT-2001, CT-2001/L, CT-2001/LE, CT-2002, CT-2002/L, CT-3001, CT-3001/E, CT-3001/ST, CT-3001/STINT, CT-3001/STUK, CT-3001/STAUS, CT-3001/TO, CT-3001/CCP, CT-3001/CCPINT, CT-3001/CCPUK, CT-3001/CCPAUS, CT-3001/CCPTO

**B** CT-920, CT-920/CV, CT-920CH, CT-920CH/CV, CT-920CH/CCP, CT-930, CT-930CH, CT-940CH<sup>③</sup>, CT-2920, CT-2920/CCP, CT-2920/CCPINT, CT-2920/CCPUK, CT-2920/CCPAUS, CT-2920/CCPTO, CT-2930, CT-2930/L, CT-2930/LE, CT-2931, CT-2931/ST, CT-2931/STINT, CT-2931/STUK, CT-2931/STAUS, CT-2931/TO, CT-2931/STCV, CT-2931/STCVINT, CT-2931/STCVUK, CT-2931/STCVAUS, CT-2931/CVTO, CT-2940<sup>③</sup>, CT-2940/L<sup>③</sup>, CT-2940/LE<sup>③</sup>, CT-2940/ST<sup>③</sup>, CT-2940/STINT<sup>③</sup>, CT-2940/STUK<sup>③</sup>, CT-2940/STAUS<sup>③</sup>, CT-2940/TO<sup>③</sup>

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