PANDUIT T-PMPI-256-PC Copper Compression Connector Heat Shrink

PANDUIT T-PMPI-256-PC Copper Compression Connector Heat Shrink Insulation Instructions

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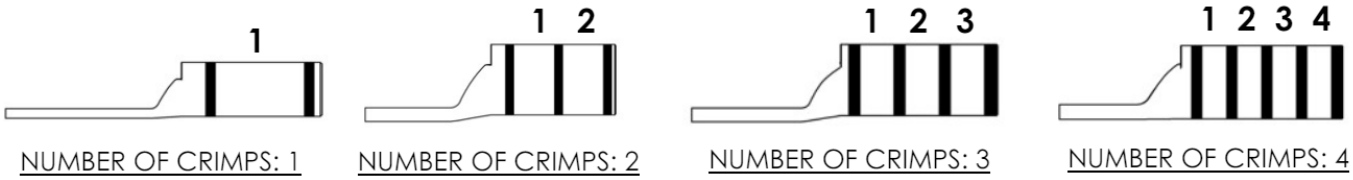
Different Models

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 aluminium wire.
2. Strip wire insulation to the approximate length shown on tool chart. DO NOT nick or ring the conductor strands.
3. Clean the wire.
4. Insert the stripped wire into the connector until the wire stops.
5. Use the tool chart on the reverse side of this sheet to:
    1. select the crimp tool to terminate the part,
    2. select the crimp die listed under tool selection by matching the crimp die colour code and die index number of the crimp die to colour bands and the die index number marked on the connector
    3. Note number of crimps to be placed in the connector is shown in ( ) next to die color code and die index number in the tool chart.
    4. Crimp the connector by placing the first crimp in the 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 the barrel of the connector using barrel stripes as a guide. Barrel stripes do not designate the number of crimps to be placed in a barrel of the connector.



1. After crimping, inspect for sharp edges, flash or burrs and remove if present.

HEAT SHRINK INSULATION INSTRUCTION

1. Refer to the Panduit catalog or 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 indicates shrinkage complete.

INSTALLATION INSTRUCTIONS

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

								CT-3980
Panduit Part Number	Std. Wire Size	Cable Classes	Wire Strip Length (In.)	CT-1700 ①	**A** See the Tool List Below	**B** See the Tool List Below	**C** See the Tool List Below	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-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-2001-6 Blue P24 (1)	CD-920-6 Blue P24 (1)	Std. (1)
LCAX4, LCDX4, LC	#4 AWG	Compact, B, G, H, I, K, M MIL-W-5086*		Gray P2	CD-2001-4	CD-2001-4	CD-920-4	

DXN4, LCEX4 LCJX4, SCSX4	#5, #4, #3	Locomotive (DLO)	5/8	9 (2)	Gray P29 (1)	Gray P29 (1)	Gray P29 (1)	Std. (1)
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-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-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-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-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-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.
2. 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

- CT-3001/ST, CT-3001/STINT, CT-3001/STUK, CT-3001/STAUS, CT-3001/TO
- CT-2001, CT-2001/L, CT-2001/LE, CT-2002, CT-2002/L, CT-3001, CT-3001/E, , CT-3001/CCP, CT-3001/CCPINT, CT-3001/CCPUK, CT-3001/CCPAUS, CT-3001/CCPTO
- CT-920, CT-920/CV, CT-920CH, CT-920CH/CV, CT-920CH/CCP, CT-930, CT-930CH, CT-940CH③, CT-2920, CT-2920/CCP, CT-2920/CCPINT, CT-2920/CCPUK, CT-2920/CCPAUS, CT-2920/CCPTO, CT-2930, CT-2930/L, CT2930/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-2940③, CT-2940/L③, CT-2940/LE③, CT-2940/ST③, CT-2940/STINT③, CT-2940/STUK③, CT-2940/STAUS③, CT 2940/TO③

Panduit Part Number	Std. Wire Size AWG	Cable Classes	Wire Strip Length (In.)	CT-1700①	**A** See the Tool List Below	**B** See the Tool List Below	**C** See the 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-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-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-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, LCDXN450, 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-940-750④ Black P106 (2)	—
LCAX750, LCDX750, LCDXN750, LCEX750, LCJX750	777.7 kcmil	Locomotive (DLO)	1-3/4	—	—	—	CD-940-750X④ Yellow (2)	—

1. The crimp die pockets are integrated into the tool frame.
2. CD-920 dies can be used with CT-940CH and CT-2940 tools with die adapter.
3. 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.
    - CT-3001/ST, CT-3001/STINT, CT-3001/STUK, CT-3001/STAUS, CT-3001/TO

- CT-2001, CT-2001/L, CT-2001/LE, CT-2002, CT-2002/L, CT-3001, CT-3001/E, , CT-3001/CCP, CT-3001/CCPINT, CT-3001/CCPUK, CT-3001/CCPAUS, CT-3001/CCPTO
- CT-920, CT-920/CV, CT-920CH, CT-920CH/CV, CT-920CH/CCP, CT-930, CT-930CH, CT-940CH③, CT-2920, CT-2920/CCP, CT-2920/CCPINT, CT-2920/CCPUK, CT-2920/CCPAUS, CT-2920/CCPTO, CT-2930, CT-2930/L, CT2930/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-2940③, CT-2940/L③, CT-2940/LE③, CT-2940/ST③, CT-2940/STINT③, CT-2940/STUK③, CT-2940/STAUS③, CT-2940/TO③
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Product Specifications

- **Manufacturer:** Panduit Corp.
- **Model:** T-PMPI-256-PC
- **Connector Types**: LCAX, LCAXN, LCDX, LCDXN, LCEX, LCJX, SCSX
- **Wire Sizes**: #8 AWG to 3/0 AWG
- **Material**: Copper

FAQ (Frequently Asked Questions)

Q: Can I use a copper connector on the aluminium wire?

A: No, you should NEVER use a copper connector on the aluminium wire. It is essential to match the connector material to the wire material for safety and performance.

Q: How do I determine the correct wire strip length for the connector?

A: Refer to the tool chart provided in the user manual. The chart specifies the wire strip length based on the wire size and connector type.

Q: What should I do if I notice sharp edges after crimping?

A: If you find any sharp edges flash or burrs after crimping carefully remove them to ensure a secure and safe connection.

Documents / Resources

	PANDUIT T-PMPI-256-PC Copper Compression Connector Heat Shrink Insulation [pdf] Instructions T-PMPI-256-PC, T-PMPI-256-PC Copper Compression Connector Heat Shrink Insulation, Copper Compression Connector Heat Shrink Insulation, Compression Connector Heat Shrink Insulation, Connector Heat Shrink Insulation, Heat Shrink Insulation, Shrink Insulation, Insulation

References

- User Manual