



227-PC

## ALUMINUM 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. Wire brush the stripped wire to remove oxide film.
4. Insert stripped wire into connector until the wire stops.
5. Using installation tooling shown on tool chart, insert connector in die and place crimps evenly spaced in crimp zone defined by two color bands on barrel or if connector is marked with knurl markings, use these markings as a guide to evenly space crimps on barrel of connector. Remove excess joint compound from the wire insulation.

### REQUIRED NUMBER OF CRIMPS SHOWN ON TOOL CHART

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.

## WASHER INSTALLATION - ALUMINUM LUGS

1. To ensure a secure bolt connection, best practices requires the use of Belleville spring washers, like Panduit Type CW washers.
2. Wire brush unplated mounting surfaces and hardware to remove oxidation and coat these surfaces with anti-oxidation compound like Panduit CMP-100.
3. Tighten the bolt to the recommended torque requirement.

## Tool Chart for Compression Connectors - Types LAA, LAB, SA, SAR

Die Index Number or Color (No. of compressions per Wire)

PANDUIT PART NUMBER	STUD WIRE SIZE	WIRE STRIP LENGTH (in.)	CT-700 (Obsolete)	CT-1700	CT-720	CT-2940**, CT-940CH** CT-930, CT-930CH CT-920, CT-920CH, CT-2920, CT-2930, CT-2931 DIE INDEX NO. COLOR (COMPRESSIONS PER WIRE)
LAA6 SA6	6 AWG	1 3/4	CD-700-8-2 GRAY P29 (5)	GRAY P29 (5)	CD-720-1 GRAY P29 (2)	CD-920-4 GRAY P29 (2)
LAA4 SA4	4 AWG	1-1/16 7/8	CD-700-1-1/0 GREEN P37 (5)	GREEN P37 (5)	CD-720-2 GREEN P37 (2)	CD-920-1 GREEN P37 (2)
LAA2 SA2	2 AWG	1 7/16	CD-700-1-1/0 PINK P42 (5)	-----	CD-720-2 PINK P42 (3)	CD-920-1/0 PINK P42 (2)
LAA1 SA1	1 AWG	1 7/16	-----	-----	CD-720-2 GOLD P45 (3)	CD-920-2/0 GOLD P45 (2)
LAA1/0, LAB1/0 SA1/0	1/0 AWG	1-9/16 1	-----	-----	CD-720-2 TAN P50 (3)	CD-920-3/0 TAN P50 (2)
LAA2/0, LAB2/0 SA2/0	2/0 AWG	1-9/16 1-1/8	-----	-----	CD-720-3 OLIVE P54 (3)	CD-920-4/0 OLIVE P54 (2)
LAA3/0, LAB3/0 SA3/0	3/0 AWG	1-9/16 1-1/4	-----	-----	CD-720-3 RUBY P60 (4)	CD-920-250 RUBY P60 (2)
LAA4/0, LAB4/0 SA4/0	4/0 AWG	1-3/4 1-5/16	-----	-----	CD-720-4 WHITE P66 (4)	CD-920-300 WHITE P66 (2)
LAA250, LAB250 SA250	250 kcmil	1-3/4 1-7/16	-----	-----	CD-720-5 RED P71 (4)	CD-920-350 RED P71 (2)
LAA300, LAB300 SA300	300 kcmil	2-5/16 1-1/2	-----	-----	CD-720-6 BLUE P76 (4)	CD-920-400 BLUE P76 (2)
LAA350, LAB350 SA350	350 kcmil	2-5/16 1-5/8	-----	-----	CD-720-7 BROWN P87 (4)	CD-920-500 BROWN P87 (2)
LAA400, LAB400 SA400	400 kcmil	2-9/16 1-13/16	-----	-----	-----	CD-920-600 GREEN P94 (4)
LAA500, LAB500 SA500	500 kcmil	3-1/16 1-7/8	-----	-----	-----	CD-920-500A PINK P99 (4)
LAA600, LAB600 SA600	600 kcmil	3-1/16 2	-----	-----	-----	CD-920-750 CD-940-750* BLACK P106 (4)
LAA750, LAB750 SA750	750 kcmil	3-7/16 2-1/4	-----	-----	-----	CD-940-750A* RED P125 (4)
LAA800, LAB800 SA800	800 kcmil	3-7/16 2-5/16	-----	-----	-----	CD-940-800A* GRAY P140 (4)
***LAA900, LAB900 SA900	900 kcmil	3-7/16 2-5/16	-----	-----	-----	CD-940-800A* GRAY P140 (4)
LAA1000, LAB1000 SA1000	1000 kcmil	4-3/4 2-9/16	-----	-----	-----	CD-940-1000A* BROWN P161 (4)



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CERTIFIED

\* CD-940 dies to be used exclusively with CT-940CH and CT-2940 tools.  
 \*\* CD-920 dies can be used with CT-940CH and CT-2940 tools with CD-940-DA die adapter.  
 \*\*\* LAA900, LAB900, SA900 to be used with aluminum wire only.

PANDUIT PART NUMBER	ALUMINUM WIRE SIZE	ALUMINUM OR COPPER WIRE SIZE	WIRE STRIP LENGTH (in.) BOTH ENDS	CT-720	CT-2940**, CT-940CH** CT-930, CT-930CH, CT-2931 CT-920, CT-920CH, CT-2920 DIE INDEX NO. COLOR (COMPRESSIONS PER WIRE)
SAR2-4	2 AWG	4 AWG	2-1/16	CD-720-2 TAN P50 (3)	CD-920-3/0 TAN P50 (2)
SAR1/0-2	1/0 AWG	2 AWG	2-1/16	CD-720-2 TAN P50 (3)	CD-920-3/0 TAN P50 (2)
SAR3/0-1/0	3/0 AWG	1/0 AWG	2-5/16	CD-720-5 RED P71 (3)	CD-920-350 RED P71 (2)
SAR4/0-2/0	4/0 AWG	2/0 AWG	2-3/16	CD-720-5 RED P71 (3)	CD-920-350 RED P71 (2)
SAR350-4/0	350 kcmil	4/0 AWG	3-3/16	CD-720-7 BROWN P87 (4)	CD-920-500 BROWN P87 (4)
SAR500-350	500 kcmil	350 kcmil	4-1/4	-----	CD-920-500A PINK P99 (4)
SAR600-500	600 kcmil	500 kcmil	4	-----	CD-920-750 CD-940-750* BLACK P106 (4)
SAR750-600	750 kcmil	600 kcmil	4-7/16	-----	CD-940-750A* RED P125 (4)

**SARS NOT  
UL LISTED OR  
CSA CERTIFIED**

\* CD-940 dies to be used exclusively with CT-940CH and CT-2940 tools.  
 \*\* CD-920 dies can be used with CT-940CH and CT-2940 tools with CD-940-DA die adapter.

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