

## **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.



ALUMINUM COMPRESSION CONNECTORS

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INSTALLATION INSTRUCTIONS

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| Panduit Part Number | Wire Manufacturer Name | Wire Size - mm <sup>2</sup> | Wire Strip Length                                                      |        | A<br>See Tool<br>List Below     |                               | B<br>See Tool<br>List Below     | C<br>See Tool<br>List Below   |  |  |
|---------------------|------------------------|-----------------------------|------------------------------------------------------------------------|--------|---------------------------------|-------------------------------|---------------------------------|-------------------------------|--|--|
|                     |                        |                             | (in)                                                                   | (mm)   |                                 |                               |                                 |                               |  |  |
|                     |                        |                             | Die Part Number<br>Color Code & Die Index Number<br>(Number of Crimps) |        |                                 |                               |                                 |                               |  |  |
|                     |                        |                             | Panduit                                                                | Burndy | Panduit                         | Burndy                        |                                 |                               |  |  |
| LAAM38U             | Furukawa               | 38                          | 1 3/8                                                                  | 35.4   | CD-920-1/0<br>Pink P42<br>(2)   | U163<br>Pink 348<br>(1)       | ---                             | U163<br>Pink 348<br>(1)       |  |  |
| LAAM58              | Sumitomo               | 58                          | 1 5/8                                                                  | 41.8   | CD-920-3/0<br>TAN P50<br>(2)    | ---                           | ---                             | ---                           |  |  |
| LAAM60              | Sumitomo               | 60                          | 1 3/4                                                                  | 45.1   | CD-920-4/0<br>OLIVE P54<br>(2)  | ---                           | ---                             | ---                           |  |  |
| LAAM60B             | Furukawa               | 60                          | 1 5/8                                                                  | 41.8   | CD-920-4/0<br>Tan P50<br>(2)    | U25ART<br>Tan 296<br>(1)      | ---                             | U25ART<br>Tan 296<br>(1)      |  |  |
| LAAM100             | Sumitomo               | 100                         | 1 7/8                                                                  | 48.1   | CD-920-300<br>WHITE P66<br>(2)  | U28ART<br>White 298<br>(2)    | ---                             | U28ART<br>White 298<br>(2)    |  |  |
| LAAM100U            | Furukawa               | 100                         | 1 7/8                                                                  | 48.1   | CD-920-300<br>WHITE P66<br>(2)  | U28ART<br>White 298<br>(2)    | ---                             | U28ART<br>White 298<br>(2)    |  |  |
| LAAM150             | Sumitomo               | 150                         | 2 5/8                                                                  | 67.2   | CD-920-400<br>BLUE P76<br>(2)   | U30ART<br>Blue 470<br>(2)     | ---                             | U30ART<br>Blue 470<br>(2)     |  |  |
| LAAM150U            | Furukawa               | 150                         | 2 5/8                                                                  | 67.2   | CD-920-400<br>BLUE P76<br>(2)   | U30ART<br>Blue 470<br>(2)     | ---                             | U30ART<br>Blue 470<br>(2)     |  |  |
| LAAM200             | Sumitomo               | 200                         | 2 7/8                                                                  | 73.5   | CD-920-600<br>GREEN P94<br>(4)  | ---                           | ---                             | ---                           |  |  |
| LAAM200B            | Furukawa               | 200                         | 2 5/8                                                                  | 67.2   | CD-920-600<br>Brown P87<br>(2)  | U31ART<br>Brown 299<br>(2)    | ---                             | U31ART<br>Brown 299<br>(2)    |  |  |
| LAAM250             | Sumitomo               | 250                         | 3 3/8                                                                  | 86.2   | CD-920-500A<br>PINK P99<br>(4)  | U34ART<br>Pink 300<br>(4)     | ---                             | U34ART<br>Pink 300<br>(4)     |  |  |
| LAAM250U            | Furukawa               | 250                         | 3 3/8                                                                  | 86.2   | CD-920-500A<br>PINK P99<br>(4)  | U34ART<br>Pink 300<br>(4)     | ---                             | U34ART<br>Pink 300<br>(4)     |  |  |
| LAAM325             | Sumitomo               | 325                         | 3 3/8                                                                  | 86.2   | CD-920-750<br>BLACK P106<br>(4) | U36ART<br>Black 473<br>(4)    | CD-940-750<br>BLACK P106<br>(4) | U36ART<br>Black 473<br>(4)    |  |  |
| LAAM325U            | Furukawa               | 325                         | 3 3/8                                                                  | 86.2   | CD-920-750<br>BLACK P106<br>(4) | U36ART<br>Black 473<br>(4)    | CD-940-750<br>BLACK P106<br>(4) | U36ART<br>Black 473<br>(4)    |  |  |
| LAAM400             | Sumitomo               | 400                         | 3 3/4                                                                  | 95.9   | ---                             | ---                           | CD-940-750A<br>RED P125<br>(4)  | ---                           |  |  |
| LAAM400B            | Furukawa               | 400                         | 3 3/4                                                                  | 95.9   | ---                             | U39ART-2<br>Yellow 936<br>(4) | ---                             | U39ART-2<br>Yellow 936<br>(4) |  |  |

① CD-920 dies can be used with CT-2940 & CT-940CH tools with CD-940-DA die adapter

A

CT-920, CT-920/CV, CT-920CH, CT-920CH/CV, CT-920CH/CCP, CT-930, CT-930CH, CT-930LPCH, CT-940CH①, CT-2920, CT-2920CCP, CT-2920CCPINT, CT-2920CCPUK, CT-2920CCPAUS, CT-2920CCPPTO, 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-2940①, CT-2940/L①, CT-2940/LE①, CT-2940/ST①, CT-2940/STINT①, CT-2940/STUK①, CT-2940/STAUS①, CT-2940/TO①

B

CT-940CH, CT-2940, CT-2940/L, CT-2940/LE, CT-2940/ST, CT-2940/STINT, CT-2940/STUK, CT-2940STAUS, CT-2940/TO

C

Burndy PAT750

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