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Termination Instructions for PIC P/N 111176 - RJ45 PLUG WITH PROTECTIVE BOOT
 (for E6A5826 & E74826 ETHERNET CABLES)

| | |
|--------------------------|--|
| Required Tooling : | PIC P/N 111183 Crimp Tool, Heat Gun |
| Recommended Hand Tools : | X-acto Knife, Sharp Razor, Wire Cutters, Magnifier, Small Side Snips |

All Dimensions in inches - Not to Scale

- 1) Install Labels (if applicable), install the 3/8" long piece of 8/2 ATUM, then install the protective boot with the opening toward the end of cable. Shrink the 1" long piece of 8/2 ATUM starting at .970" from the end of the cable (Fig. 1).
- 2) Make Cut A at .675" from the end of the cable, through the jacket only. DO NOT nick cut into the braids. Remove the jacket, and roll the braids back over the jacket and the ATUM (Fig. 2).
- 3) Remove the foil shields around each pair at Cut A to expose the twisted pairs (Fig. 3). Verify insulation integrity.
- 4) Carefully straighten each wire. Align wires into desired wire configuration per work print, and install wires into the load bar. Use installed load bar to "comb" or work the wires into shape, until thoroughly straight for approximately half the cut length. Set far edge of load bar at .620" and trim conductors flush (Fig. 4).
- 5) Bend the connector strain relief tab down, to allow entry for wires. Install wires into the connector body, keeping alignment intact. To complete full insertion, push cable into the connector past Cut A, while lightly wiggling the cable to help the conductors slide into their channels. Proper insertion is indicated by viewing ALL of the wire conductors through the front end of the connector body. Use Magnifier if needed (Fig. 5).
- 6) Bend the strain relief tab to align with the cable, careful to keep the braid strands enclosed (Fig. 6). Lightly bend the ends of the strain relief tabs in to prep for crimping.
- 7) Verify full insertion before crimping the connector. Crimp using PIC P/N 111183 crimp tool. Trim any braids past the end of the crimped strain relief tab (Fig 7).
- 8) Slide the boot up over the crimped strain relief tabs until fully seated. Shrink 8/2 ATUM at the base to lock it in place (Fig. 8).

Figure 1

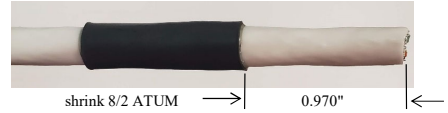


Figure 2



Figure 3

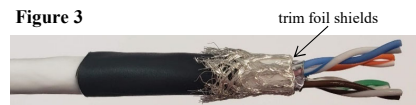


Figure 4

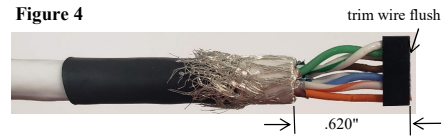


Figure 5

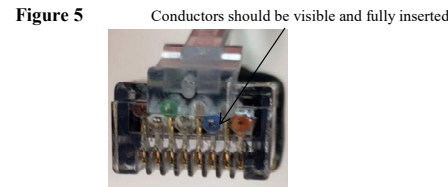


Figure 6

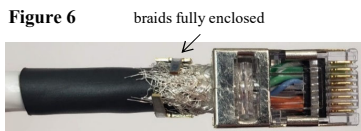


Figure 7

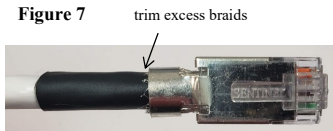
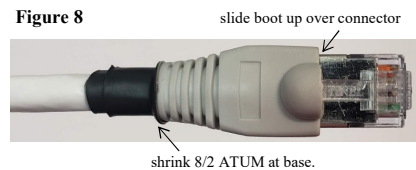


Figure 8



| Pin | 568A Configuration | 568B Configuration |
|-----|--------------------|--------------------|
| 1 | White / Green | White / Orange |
| 2 | Green | Orange |
| 3 | White / Orange | White / Green |
| 4 | Blue | Blue |
| 5 | White / Blue | White / Blue |
| 6 | Orange | Green |
| 7 | White / Brown | White / Brown |
| 8 | Brown | Brown |