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Termination Instructions for PIC P/N 11175 - RJ45 PLUG WITH STRAIN RELIEF SLEEVE (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

- 1) Install Labels (if applicable) then install the strain relief sleeve. Shrink the 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 strain relief sleeve up over the ATUM and the crimped strain relief tabs, up to the shoulder of the connector (Fig. 8).

All Dimensions in inches - Not to Scale

Figure 1

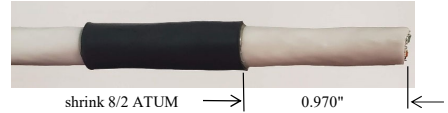


Figure 2



Figure 3



Figure 4

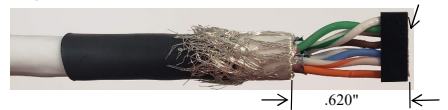


Figure 5

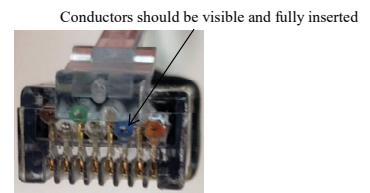


Figure 6

braids fully enclosed



Figure 7

trim excess braids

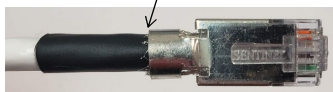


Figure 8

sleeve up to the shoulder



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

RJ45 Wiring Configuration for 568A or 568B

Top View