

PIC Wire & Cable

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Termination Instructions

T-110726-QX

Approved : *TWH*
 Distribution : USER

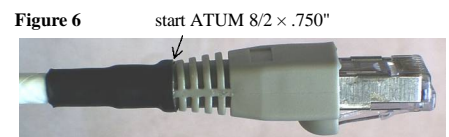
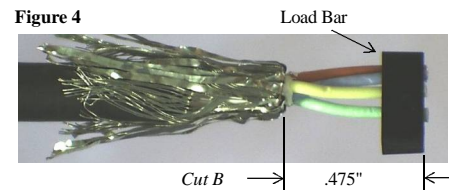
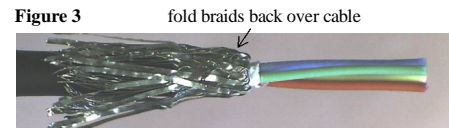
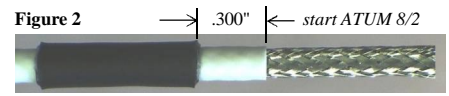
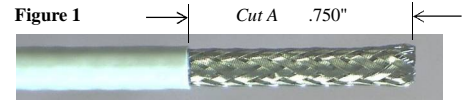
Date : 09/17/13
 Rev 0
 Uncontrolled Document

Termination Instructions for PIC RJ45 Plug Connector P/N 110726 (for PIC Ethernet Quad Cable P/N E51424)

Recommended Hand Tools :	X-acto Knife, Sharp Razor, Wire Cutters, Magnifier
Required Tooling :	PIC 110288 RJ45 Crimp Tool, Heat Gun

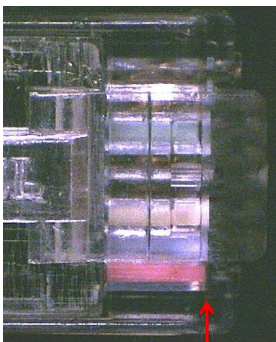
All Dimensions in Inches - NOT TO SCALE

- 1) Install labels (if applicable). Install ATUM 8/2 x .750" dual wall shrink tube and boot onto the cable, small end first.
- 2) Make Cut A @ .750" from end, through jacket. Do Not nick or cut into wire braids (Fig. 1). Remove jacket.
- 3) Install and shrink the ATUM 8/2 x 1.0" dual wall shrink tube onto cable, starting @ .300" from the end of jacket (Fig. 2).
- 4) Fold braids back over cable jacket and ATUM (Fig. 3). Remove teflon tape layer, Do Not nick or cut into wire insulation. Trim filler (in middle of wires), cut as short as possible. Inspect to verify wire insulation integrity.
- 5) Arrange wires to the desired configuration per the dwg. Install the load bar onto wires, locating front edge of load bar @ .475" from the end of shields (Fig. 4). Confirm the wiring configuration, trim wires even with front edge of load bar (Fig. 4).
- 6) Bend the connector strain relief tab down, to allow installation onto cable. Install wires into the connector body, keeping alignment intact.
- 7) Fully insert the wires; proper insertion is indicated by viewing all conductors through the front end of connector body. Bend the connector strain relief tab back up to the original position, keeping braids within the strain relief tab.
- 8) Verify full insertion before crimping the connector. Crimp using the PIC 110288 RJ45 crimp tool (Fig. 5). Trim off any excess braids.
- 9) Push the boot onto the connector until seated (Fig. 6). Shrink ATUM 8/2 x .750" starting over the back end of the boot as shown (Fig. 6).
- 10) Verify all wires are fully seated per 110726-QX Inspection Criteria. Use magnifier and contrasting color background for effective inspection.



Note : Connector Length added to cable = - .300" nominal

110726-QX Inspection Criteria (568A depicted)



all wires fully seated

110726 Wiring Configuration Options:

