

# PIC Wire & Cable

A Division of the Angelus Corporation  
Ph (262)-246-0500 Fax (262) 246-0450 www.picwire.com  
PO Box 330 Sussex, WI 53089

## Termination Instructions

Approved : PFT  
Distribution : USER

T-111107

Date : 11/01/2019  
Rev. 0  
Uncontrolled if Printed

### Termination Instructions for PIC P/N 111107, RJ45 Cat 8 Plug (568B configuration Only)

(for E74824 Ethernet Cables)

Required Tooling : X-acto Knife, Sharp Razor, Wire Cutters  
PIC 110701 Soft Jaw Clamping Pliers  
(Note : Similar Pliers are acceptable)  
Heat Gun



- 1) Slide on backshell nut and cord grip provided with connector (**Fig. 1**). Make Cut A @ 1.25" from cable end, through cable jacket (**Fig. 1**).
- 2) Fold the wire braids back over the cable jacket and trim to 0.375" (**Fig. 2**).
- 3) Install 8/2 ATUM x 0.75" over the wire braids, leaving .25" exposed (**Fig. 3**). Shrink the ATUM (**Fig. 3**).
- 4) Remove the foil from the twisted pairs (**Fig. 4**).
- 5) Untwist pairs and straighten them out. Insert wires into load block, matching the colors of the wires to the colors on the block (**Fig. 5**). Using needle nose pliers, pull on each wire one at a time to ensure each wire is firmly in the load block.
- 6) Adjust the soft jaw clamping pliers height to crimp squarely on the wire carriers (**Fig. 6**). Keeping wire pairs firmly in the wire carrier (wire transition as short as possible), crimp the wire carriers onto the circuit board until seated flat on the circuit board (**Fig. 6**).
- 7) Trim off wire ends flush with the end of the wire carrier (**Fig. 7**). Remove the black protective cover on the circuit board (**Fig. 7**).
- 8) Install the circuit board / wire carriers / cable into the RJ45 connector body, until fully seated (**Fig. 8**). The wire carrier is keyed to align correctly with the connector body.
- 9) With the circuit board / wire carriers / cable fully seated into the RJ45 connector body, push the cable firmly into the connector until the shields aligns with the shield contacts. Close main housing and slide up cord grip making sure to align the sides with the groove in the housing (**Fig. 9**).
- 10) Tighten the clamp nut fully onto housing (**Fig. 10**).

