

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

T-110506-02

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 Uncontrolled if Printed

Termination Instructions for PIC Shielded RJ45 Plug P/N 110506

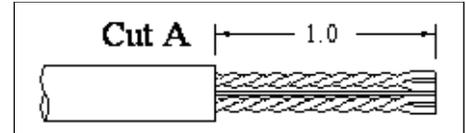
(for PIC E6A0824, E6A2824, E6A3824 & E6A6824 Ethernet Cables)

Recommended Hand Tools :	X-acto Knife, Sharp Razor, Wire Cutters, Eye Loupe / Magnifying device
Required Tooling :	PIC 110288 RJ45 Crimp Tool (Sentinel P/N 900007), Heat Gun

Dimensions in Inches (not to scale)

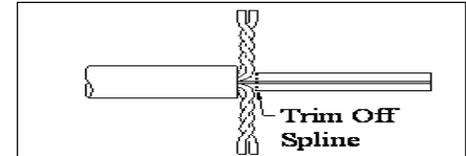
- 1) Install any labels & then the larger diameter 12/3 ATUM heat shrink onto cable. Discard the smaller diameter piece of 8/2 heat shrink, it will not be used. Make Cut A (1.00" from end of cable) through the Jacket. Remove Jacket, Braids, Foil, and white Binder tape.

Step 1



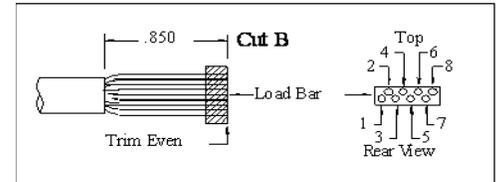
- 2) Fold each pair back, and trim off the center Spline as short as possible, using caution to avoid nicking or cutting into the wires. will not be used.

Step 2



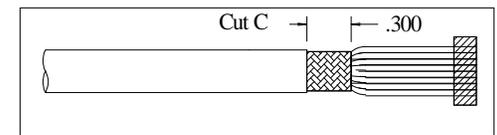
- 3) Untwist and straighten wires. Arrange the wires into the desired configuration, and install the wires into the Load Bar. If necessary, longer wires can be trimmed nearly as short as the shortest wire, to allow easier entry into the Load Bar. Position the Load Bar so that the front edge is .850" from Cut A (as shown). Trim off the end of the wires at Cut B (.850" from Cut A, as shown). All wires should be trimmed evenly, and flush with the end of the Load Bar.

Step 3



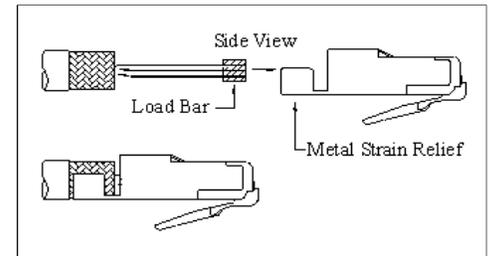
- 4) Make Cut C (.300" from Cut A) through the Jacket (as shown). Do Not nick or cut into wire braids. Score the .300" section of Jacket lengthwise and remove the jacket only.

Step 4



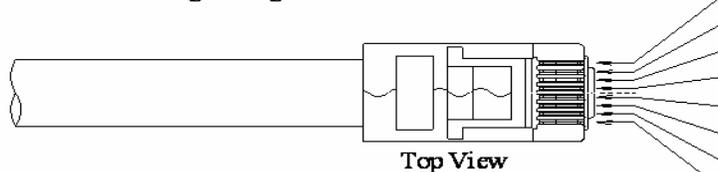
- 5) With the load bar positioned at the end of the wires, install the connector body. Seat the wires fully into the connector, until the stranded conductors of each wire are visible through the front end of the connector body. The use of a magnifying device is recommended.

Step 5



- 6) Verify full insertion before crimping, and the exposed shield aligned with the Metal Strain Relief as shown. Crimp the connector using PIC 110288 Crimp Tool.

RJ45 Wiring Configuration for 568A or 568B



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