

# PIC Wire & Cable

## Termination Instructions

T-110303

A Division of the Angelus Corporation

Ph (262) 246-0500 Fax (262) 246-0450 www.picwire.com

PO Box 330 Sussex, WI 53089

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### Termination Instructions for PIC Shielded RJ45 P/N 110303

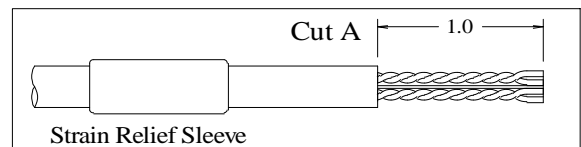
(for PIC P/N E50824, E50824-X, G50824 & G53824 Ethernet Cables)

Required Tooling :	RJ45 Crimp Tool, PIC P/N 110288 (Sentinel P/N 900007)
Recommended Tooling :	X-acto Knife, Sharp Razor, Wire Cutters, Eye Loupe / Magnifier

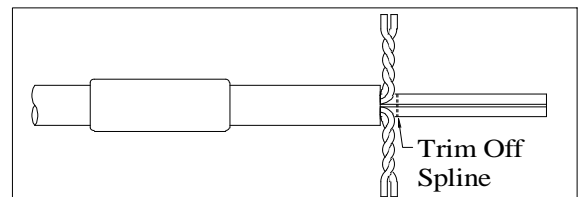
All Dimensions in Inches - Not to Scale

- 1) Install Strain Relief Sleeve onto cable. Make Cut A (1.00" from end) through the Jacket. Remove Jacket, Braids, Foil, and white Binder tape.
- 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.
- 3) 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 0.85" from Cut A (as shown). Trim off the end of the wires at Cut B (0.85" from Cut A, as shown). All wires should be trimmed evenly, and flush with the end of the Load Bar.
- 4) Make Cut C (0.30" from Cut A) through the Jacket (as shown). Do Not nick or cut into wire braids. Score the 0.30" section of Jacket lengthwise and remove the jacket only.
- 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.
- 6) Verify full insertion before crimping. Use of a magnifier is recommended. Crimp the connector using the 110288 Crimp Tool.
- 7) Slide the Strain Relief Sleeve up over metal strain relief tab, to be flush with the connector body .

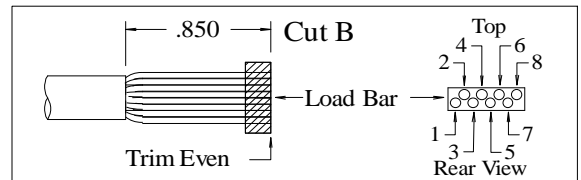
Step 1



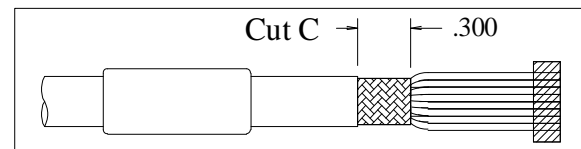
Step 2



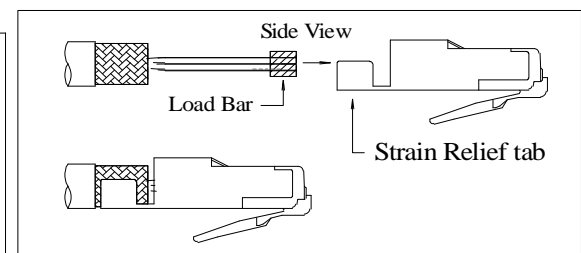
Step 3



Step 4



Step 5



RJ45 Pin Assignments		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	