

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-110384

Approved : *M.E.T.*

Date : 11/08/06

Distribution : USER

Rev. 1 (06/22/15)

Uncontrolled if Printed

Termination Instructions for PIC P/N 110384, RJ45 Blade Patch Connectors

for PIC E50824, G50824 & G53824 Cable

Recommended Hand Tools :	X-acto Knife, Sharp Razor, Wire Cutters, Tweezers
Required Tooling :	Simon Blade Patch RJ45 Crimp Tool (Pneumatic Press)

- 1) Install connector boot, smaller end first.
- 2) Make cut @ 1.20" from end of cable. Remove Jacket and Braid. Then, 0.5" back from end of cable, wrap the foil with scotch tape tightly around foil. Use a piece of tape long enough to wrap 1.5 to 2 times.
- 3) Remove foil, teflon tape and spline 0.5" from end of cable, up to the tape.
- 4) Following the 568A or 568B configuration below, lay wires in proper orientation to match the pinout. Trim wires even and apply load bar with wire for position #1 away from you and the wedge on load bar facing upwards. Wires should be flush with end of load bar, trim even if necessary. Total length from cable jacket to wire trim is 1.20" Max / 1.10" Min.
- 5) Cut 0.375" of jacket off of cable to expose braid by scoring the jacket. Do Not cut into or nick braids. Split jacket where scored and remove. Assemble the connector shield onto the connector body, snapping the shield into place. Bend Strain Relief Tab up, as shown.
- 6) Making sure the wedge of the load bar is facing up and the contacts on the connector are facing up, install the load bar and cable into the connector. Confirm wires are all the way into the connector by looking at end of connector.
- 7) Bend Strain Relief Tab back into place, as shown. Start the closure of the Strain Relief tabs using a needlenose pliers. Verify that the load bar is positioned under the contacts. The wire conductors must be visible through the front end of the connector. Install the connector into the Blade Patch connector press (contacts and strain relief both face UP), push cable and connector firmly into the press, and crimp. The Press operates at 80 - 100 psi.
- 8) Slide the boot all the way up onto the connector, place in rubber-jaw vise, square window up. Apply silicone grease to two front tabs on the red cover. Install these tabs into boot at front end of boot. Tabs must snap into position (may carefully expand entry by using tweezers to close the connector latching clip halves on the connector body). If the front tabs of the cover are bent or damaged at all, discard and replace. Once the front tabs snap into position, push down rear of red cover until the cover snaps shut. Cycle the boot forward and back to verify the latch release, clean off any excess silicone grease.

Steps 1,2,3



Step 4



Step 5



Step 7



Step 8



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

