

# 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-110362

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Uncontrolled Document

### Termination Instructions for PIC P/N 110362 RJ45 Plug Connector

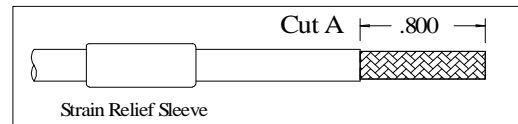
(for PIC Ethernet Cable P/N's E10424, E40424 & E12424)

Required Tooling :	PIC P/N 110288 RJ45 Crimp Tool, Insulation Compression Tool P/N 190048
Recommended Hand Tools :	X-acto Knife, Sharp Razor, Wire Cutters, Eye Loupe / Magnifying device

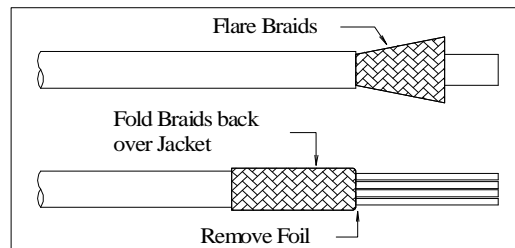
Dimensions In inches (not to scale)

- 1) Install strain relief sleeve onto the cable.
- 2) Make Cut A ( 0.80" from cable end) through jacket only. DO NOT nick or cut into the braid. Remove the jacket.
- 3) Flare the wire braid out. Fold the wire braid back over the jacket as shown. Remove the exposed foil shield.
- 4) Verify the arrangement of the wires to the desired configuration, in preparation for insertion into the connector. Trim ends to 0.55" as shown, with sharp wire cutters.
- 5) Using the insulation compression tool (PIC 190048), compress the insulation of all 4 wires to a length of 0.35". The  $\varnothing .060$ " diameter insulation will require thorough compression to fit into the  $\varnothing .048$  wire entry holes in the connector. When compressing the wires, compress each wire only slightly, remove & rotate tool and compress on different area of wire to slowly compress each wire without shearing off any insulation. Trim all wires even w/ razor blade, trimming off 0.05" max from ends.
- 6) Using the 0.17" opening on the 190048 Tool, compress the braid onto cable directly in back of the exposed wires for insertion into rear of the RJ45 body. Just prior to insertion into the connector front body, verify arrangement of wires per the desired pin-out. Install wires into the connector body, keeping alignment intact. To complete full insertion, push while gripping folded braids. Proper insertion is indicated by viewing ALL of the wire conductors through the front end of the connector body. Use magnifying device as needed or required.
- 7) Trim excess shield braid. Crimp RJ45 connector using PIC Crimp Tool P/N 110288. Verify all wires are in place using magnifying device as needed.
- 8) Slide sleeve over exposed braids and crimped section, up to the main body of the RJ45 connector.

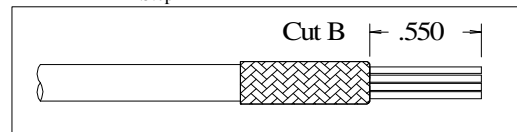
Step 1 & 2



Step 3



Step 4



Step 7

