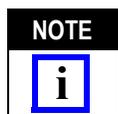


Figure 1

To obtain information on AMP NETCONNECT products, call PRODUCT INFORMATION at the number at the bottom of this page, or visit the AMP NETCONNECT website at [www.ampnetconnect.com](http://www.ampnetconnect.com).

## 1. INTRODUCTION

This instruction sheet provides termination procedures for the Side-Exit, Shielded, SL Series, 110Connect Modular Jack Connectors (Cat 6 and Cat 5e).



*All dimensions are in millimeters [with inches in brackets]. Figures are not drawn to scale.*

Reasons for reissue of this sheet are provided in Section 4, REVISION SUMMARY.

## 2. DESCRIPTION

The jack connectors accept four pair, twisted-pair cable with 22 through 24 AWG solid conductors and 24 AWG stranded conductors. The maximum conductor insulation diameter is 1.45 [.057].

## 3. TERMINATION

1. Strip back cable jacket approximately 50.8 [2.00]. See Figure 2.

2. Fold metal foil or braid back over cable jacket leaving conductive side out (if braid is used, remove foil). This will leave approximately 50.8 [2.00] of foil over the jacket.

3. Remove clear wrapping from twisted-pair wires.

**NOTE** Do NOT cut the drain wire, if present.



4. Wrap drain wire around metal foil or braid (a minimum of 360 degrees is needed). It should be wrapped approximately 6.35 [.250] from the end of the cable jacket.

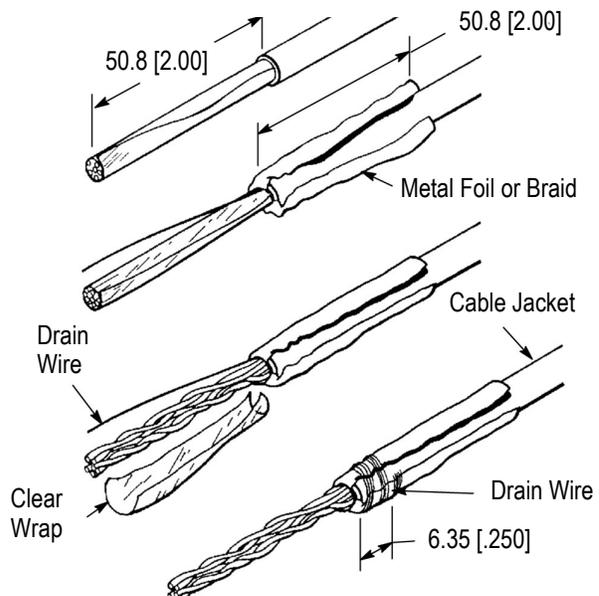
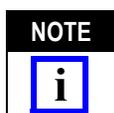


Figure 2



*Keep wire pairs twisted to within 12.7 [.50] of termination for CAT 5e Jacks. Keep wire pairs twisted to within 6.0 [.24] of termination for CAT 6 Jacks.*

5. Choose cable exit (left or right side). Lay cable.

6. Align and lace a color-coded wire pair with the appropriate slots as indicated by the color coding on the wiring label (use minimum slack while maintaining twist, as indicated in Figure 3).

**Four-Pair Color-Coded Universal Wiring Label**

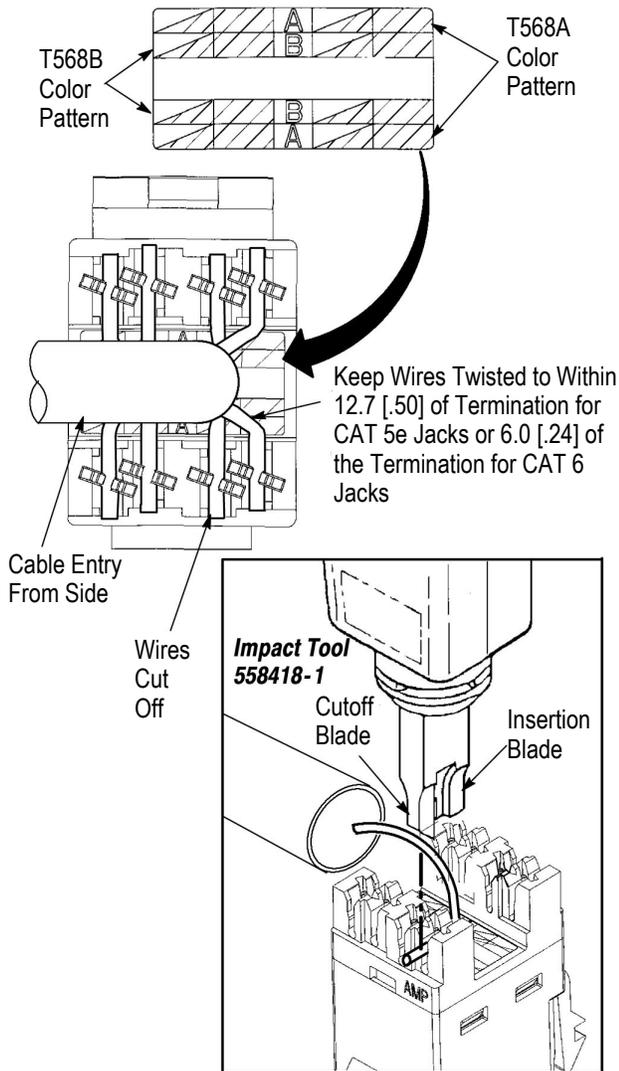


Figure 3



Wire termination requires the use of Impact Tool 558418-1 or SL Jack Termination Tools 1725150-1 or 1725150-2. Refer to 408-8858 for SL Jack Termination Tool instructions.



Set impact setting for low-impact. Orient tool so cutoff blade is on outside of block and vertical.

7. Use tool to punch wires down into slot and cut off excess wire. Remove loose wire pieces.

8. Repeat Steps 6 and 7 with all wire pairs.

9. Choose direction of cable exit (left or right). Break out the corresponding two side tabs for cable exit on front shield. Bend center tab to 90°.

10. Install front shield around jack as shown in Figure 4. Pinch sides of shield and simultaneously pinch top and bottom of shield. The latches should engage securely on the top and bottom of the shield.

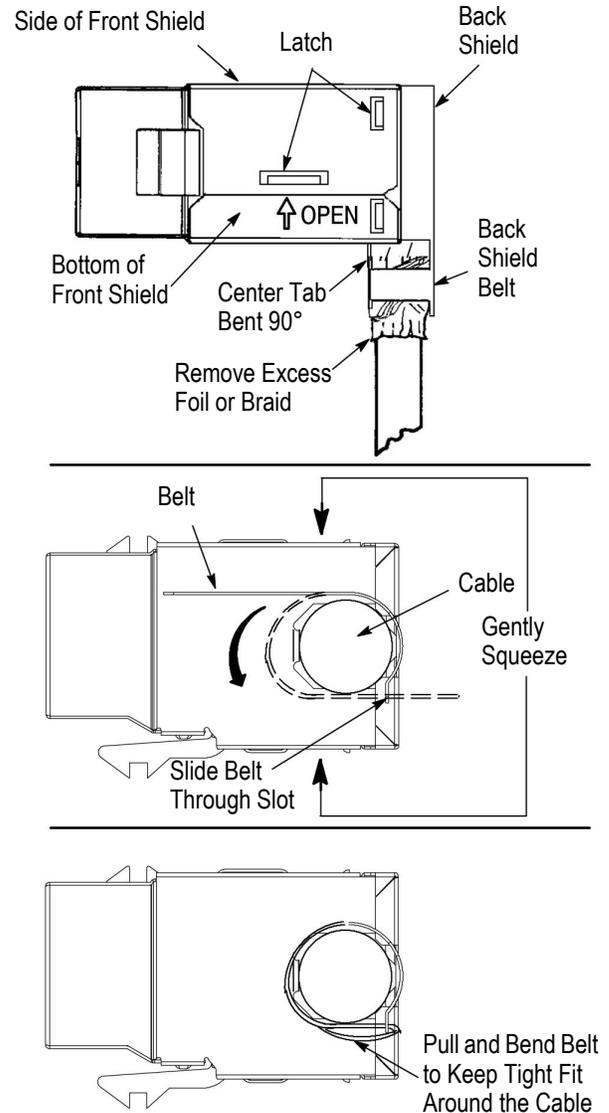


Figure 4

11. Orient back shield so that the shield belt is aligned with cable exit. While slightly squeezing top and bottom of front shield, slide back shield into front shield assembly.

12. Inspect all latches of shield to ensure proper assembly. Slide belt through slot on back shield and firmly pull the belt until the shield is tight around the cable foil. Bend belt to keep tight fit around cable.

#### **4. DISASSEMBLY PROCEDURES**

Insert a small screwdriver under the latches on the top and bottom front shields (area indicated by "OPEN" and an arrow - see Figure 4). Pry latches apart and open front shields.

#### **5. REVISION SUMMARY**

Revisions to this instruction sheet include:

- Logo update;
- Format was updated to the current corporate requirements.