

Figure 1

1. INTRODUCTION

This instruction sheet describes the application of Category 6A UTP AMP-Twist modular jacks.

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.



NOTE

Dimensions in this instruction sheet are in metric units [with U.S. customary units in brackets]. Figures are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in Section 5, REVISION SUMMARY.

2. DESCRIPTION (See Figure 1)

The modular jack consists of a front housing and back housing. The back housing features a lacing cap and identification label to aid in conductor arrangement. The front housing features an interchangeable color cap to color code the modular jack without having to re-terminate the modular jack.

3. ASSEMBLY PROCEDURE

3.1. Cable Selection and Stripping

The jacks accept four-pair twisted cable having solid conductors sizes 24 through 22 and stranded conductors size 24 AWG with a cable outer diameter range of 5.0 through 9.0 mm [.197 through .354 in.].

Strip the cable to the dimension shown in Figure 2.

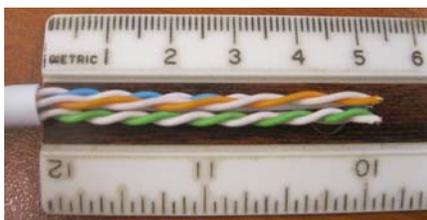


Figure 2

Note: Not to Scale

3.2. Terminating

1. Orient the cable conductors according to the wire identification label on the lacing cap, then insert the cable into the lacing cap as shown in Figure 3.
2. Insert the cable until the jacket hits the stops as shown in Figure 4.
3. Following the wire identification label, separate the wire pairs by untwisting enough wire to lay straight across the lacing cap and to the outside edges. Refer to Figure 5.



Figure 3

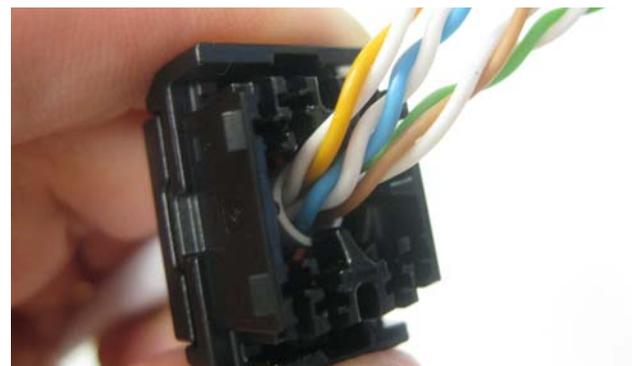


Figure 4

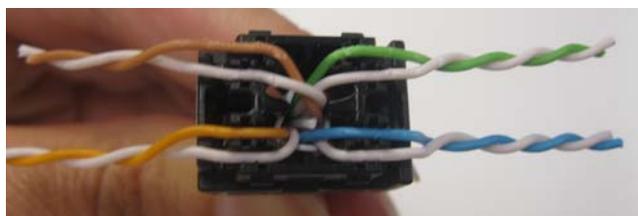


Figure 5

4. Orient the lacing cap with the modular jack so that the blue side is aligned with the latch side as indicated on the wire identification label. Refer to Figure 6.



NOTE

The lacing cap will not assemble to the modular jack if it is oriented incorrectly.

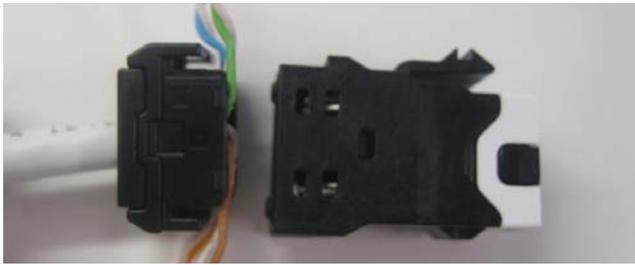
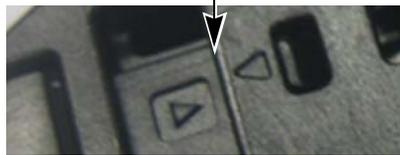
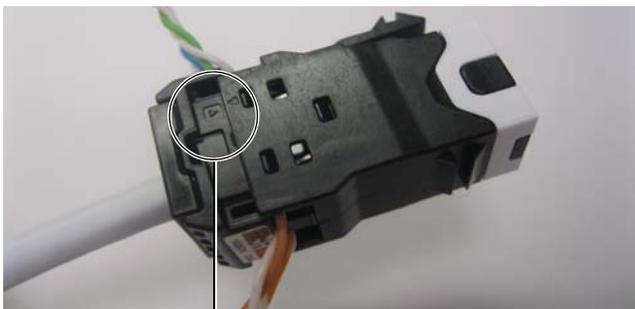


Figure 6

5. Pre-assemble the modular jack by snapping it onto the lacing cap as shown in Figure 7. This will secure the lacing cap to the modular jack for termination. Confirm that the arrows on either side of the modular jack are aligned as shown in Figure 7.



Arrows Must Align

Figure 7

6. Insert the pre-assembled modular jack into the SL termination tool (refer to Instruction Sheet 408-8858). If the modular jack has a dust cover, the dust cover must be opened before inserting the modular jack into the tool. See Figure 8.

Modular Jack Without Dust Cover



Modular Jack With Dust Cover

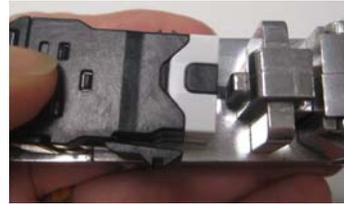


Figure 8

7. Squeeze the tool handle until the hook on the bottom of the handle meets the top of the ram. The wires will be cut automatically. See Figure 9.

8. Release the tool handle, and remove the modular jack from the tool. The terminated modular jack should appear as shown in Figure 10.

Modular Jack Without Dust Cover



Modular Jack With Dust Cover

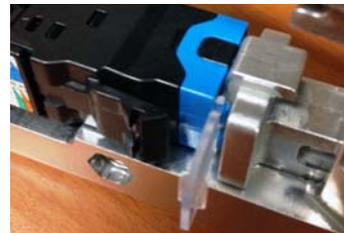


Figure 9



Figure 10

4. COLOR CAP CHANGE AND RE-TERMINATION

4.1. Changing Color Cap

The color cap of the modular jack can be changed as follows:

1. Carefully insert a small flat screwdriver under the color cap in the recessed area as shown in Figure 11.



Figure 11

2. Gently lift the color cap.
3. On the opposite side of the modular jack, lift the color cap in the same manner to remove it.
4. Position the replacement color cap on the back housing so that the top tab is oriented with the corresponding cut-out in the color cap. See Figure 12.
5. Rotate the color cap until the sides snap into place.

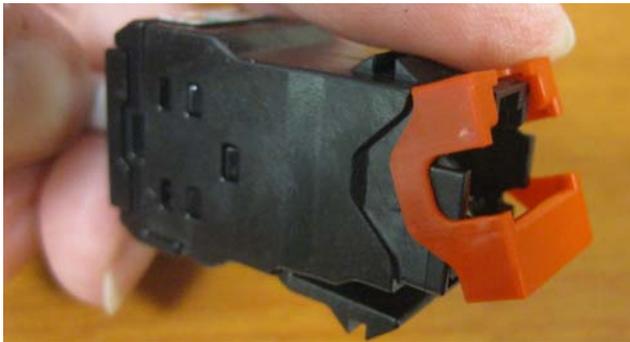


Figure 12

4.2. Re-Terminating Modular Jack

1. Insert two small, flat head screwdrivers into the channels in the back housing of the modular jack to deflect the front housing side walls outward as shown in Figure 13.



CAUTION
To avoid damage to the modular jack, do not pry the housings apart when using the screwdrivers.



Figure 13

2. When the front housing side walls are fully deflected, hold the front housing and the cable as shown in Figure 14, and pull until the back housing separates from the lacing cap and front housing. See Figure 15.
3. Remove the cable, and terminate the modular jack following the termination procedure.

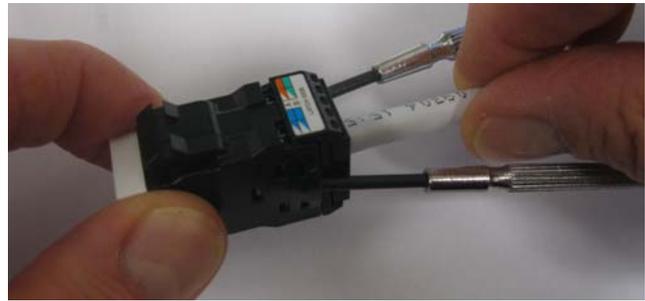


Figure 14

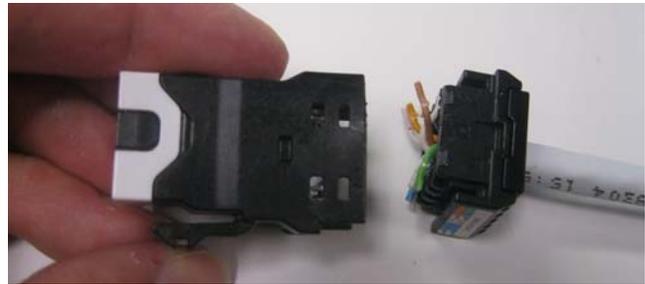


Figure 15

5. REVISION SUMMARY

Revisions to this instruction sheet include:

- Removed AMP NETCONNECT logo
- Added Section 2
- Added modular jack with dust cover to Figures 8 and 9
- Added CAUTION to Paragraph 4.2