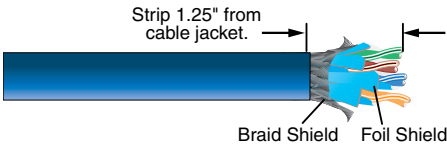


Extron® Shielded DTP RJ-45 Plug for DTP26 Cable Termination Kit

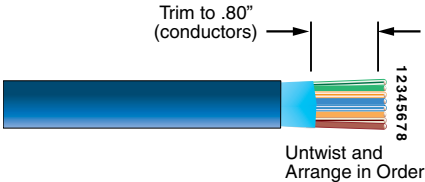
The Extron Shielded DTP RJ-45 Connector kit terminates shielded CAT 5e, CAT 6e, CAT 7, and DTP26 cable. The connector can accommodate solid and stranded conductors with an outside diameter in the range of 0.037 to 0.042 inches.

The kit contains connectors and guides and provides a method to complete a fully shielded cable assembly. To terminate shielded cable, follow these steps:

- 1. Optional: Slide a strain relief or heat shrink over the cable. The strain relief and heat shrink are not included.
- 2. Strip approximately 1.25 inches (31.8 mm) of the cable jacket from the end of the cable.



- 3. Strip approximately 0.8 inches (20.3 mm) of foil shielding from the end of the cable (CAT 7 and DTP26 cables only).
- 4. Separate the four exposed twisted pair wires and trim (but do not strip) the wires to 0.8 inches (20.3 mm).



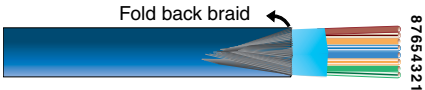
- 5. Arrange and lay flat the eight wires in the correct order to comply with TIA/EIA 568A or 568B wiring standard (see the chart at right). The cables shown in this guide comply with the 568A standard.

NOTES: Plenum cable does not have a stripe on the white conductor. Use the foil shield to identify and group the colored conductors.

The cables must be terminated to one of these wiring standards at each end. Straight-through cables must be terminated to the same standard at each end. The figures in this guide show the 568A standard.

Pin	568 A	568 B
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

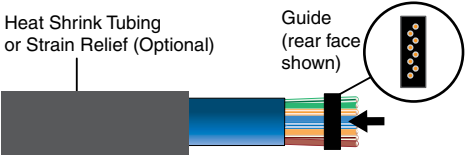
- 6. Turn the cable over and flatten the braid against the bottom of the cable.



NOTE: In figure above, the cable is viewed from beneath, so wires are in reverse order.

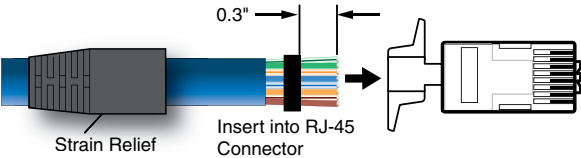
Extron® Shielded DTP RJ-45 Plug for DTP26 Cable Termination Kit (continued)

7. Feed the individual wires, in the correct order, through the open front face of the plastic guide and out through the individual holes at the rear. The rear of the guide should be seated against the end of the foil shield with CAT 7 or DTP26 cables and against the braid for all other types of twisted pair cables.



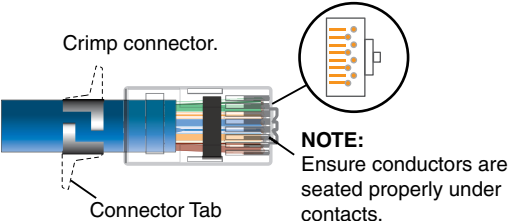
Insert wires through the open front face and out through the holes in the rear face of the guide.

8. Cut the wires to 0.3 inches (7.6 mm), as shown in the figure below. The total length of exposed wire should not exceed 0.6 inches (15.2 mm).
9. Insert the guide and wires into the RJ-45 connector, making sure the wires pass the crimping teeth of the connector.



NOTE: Ensure the wires are in the correct order (see chart on previous page) and the bottom of the connector is next to the braid shield that was folded under the cable in step 6.

10. Insert the connector into the termination tool and crimp it to secure the connector to the cable. Use pliers to secure the connector tabs around the cable and the ground.



NOTE: To ensure correct grounding throughout the cable, the braid shield, folded back in step 6, must make contact with the shielded RJ-45 connector on both ends of the cable.

11. If a strain relief is present, slide it forward to cover the cable and the first 0.4 inches (10.2 mm) of the RJ-45 connector.
12. Test both ends of the cable for conductivity.

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