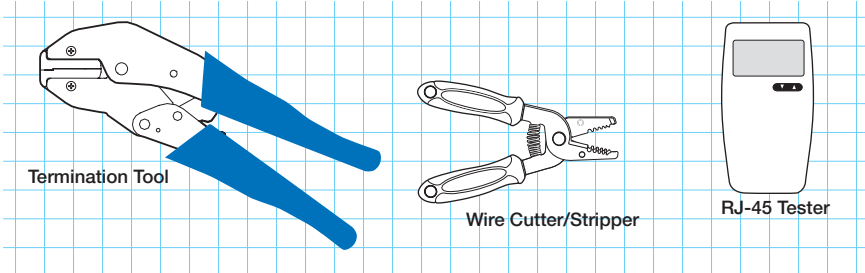


## XTP DTP 22 Plug Kit for XTP DTP 22 Cable • Setup Guide

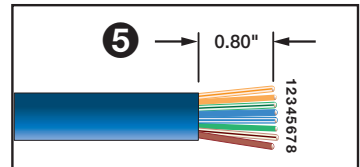
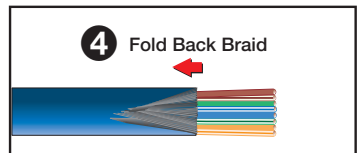
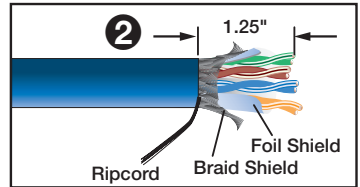
The Extron Shielded XTP DTP 22 RJ-45 Plug kit terminates XTP DTP 22 shielded twisted pair cable. The plug can accommodate 22 AWG to 23 AWG solid or stranded wires. The insulated conductor diameter must be in the range of 0.063 to 0.065 inch.

The following tools are required to complete a fully shielded cable assembly:



This guide provides instructions for completing a fully shielded cable assembly. To terminate XTP DTP 22 shielded twisted pair 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. Make a circular score around the cable jacket at approximately 1.25 inches (31.8 mm) from the end of the cable. Use the rip cord to remove the jacket, then cut the rip cord.
3. Remove the foil and mylar shielding (if present) from the end of the cable.
4. Turn the cable over and fold back and flatten the braid against the bottom of the cable jacket for grounding purposes.



### NOTES:

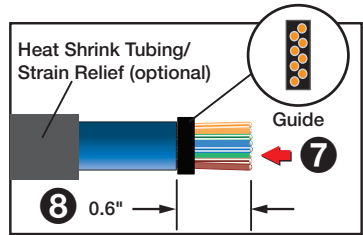
- In the figure to the right (4), the cable is viewed from beneath, so the wires are in reverse order.
- To ensure correct grounding throughout the cable, the braid shield must make contact with the shielded RJ-45 connector on both ends of the cable.

5. Separate and untwist the four exposed twisted pair wires and trim (but do not strip) the wires to 0.8 inch (20.3 mm).
6. Arrange and lay flat the eight wires in the correct order to comply with the TIA/EIA 568B wiring standard (see the T568B wiring table).

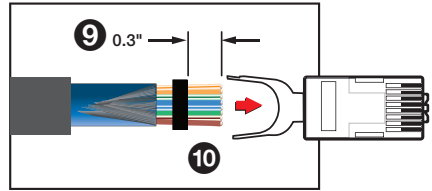
T568B Wiring	
Pin	T568B Wire Colors
1	White/Orange
2	Orange
3	White/Green
4	Blue
5	White/Blue
6	Green
7	White/Brown
8	Brown

# XTP DTP 22 Plug Kit for XTP DTP 22 Cable • Setup Guide

7. Feed the individual wires, in the correct order (see the **T568B wiring table** on page 1), through the open front face of the plastic guide and out through the individual holes at the other side. The rear of the guide should be seated against the end of the jacket and braid.
8. Cut the wires to 0.6 inch (15.2 mm) as shown at right.
9. Push the guide up, leaving 0.3 inch of the wires exposed above the guide (see image at right).
10. Insert the guide and wires into the RJ-45 connector, making sure the wires pass the crimping teeth of the connector.

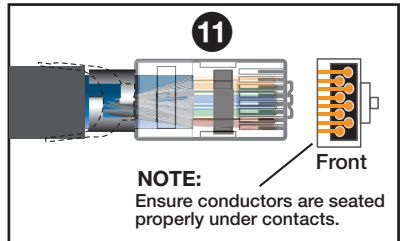


**NOTE:** Ensure the wires are in the correct order (see the **T568B wiring table**) and the bottom of the connector is next to the braid shield that was folded under the cable in **step 4** on page 1.



11. Insert the connector into the termination tool and crimp it to secure the connector to the cable.

**NOTE:** To ensure correct grounding throughout the cable, the braid shield (folded back in step 4) must make contact with the shielded RJ-45 connector on both ends of the cable.



**NOTE:** Ensure conductors are seated properly under contacts.

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

**NOTE:** If there is a need to re-terminate the cable, cut off the terminated end of the cable and repeat steps 2 through 12.

For information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the **Extron Safety and Regulatory Compliance Guide** on the Extron website.