BELDEN
SENDING ALL THE RIGHT SIGNALS®

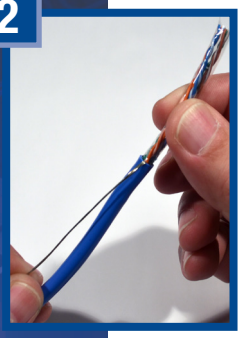
Installation Instructions for an RJ45 Modular Plug on CAT5e Shielded Cable

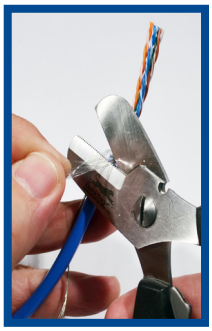
1



Cut cable to needed length. Remove the outer jacket of the cable using the Cable Pro™ PS-NET Cable Prep Tool. Place the tool approximately 1.5” from end of the cable. Rotate tool at least twice around the cable, both clockwise and counter-clockwise. That will score the jacket allowing you to remove it without damaging the conductors inside the jacket.

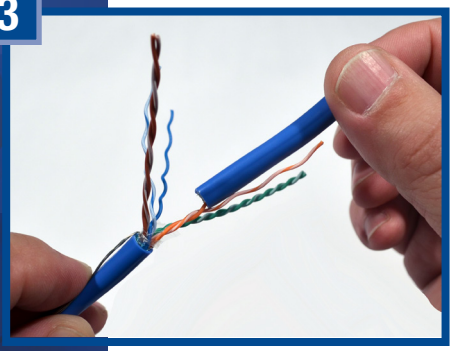
2





Pull the wire braid back over the outer jacket. Trim off the clear plastic jacket.

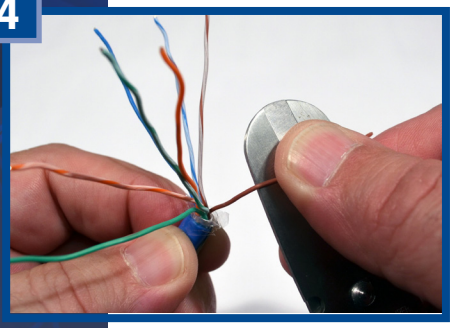
3



Untwist and separate all of the conductor pairs.

TIP: Use the jacket that was just removed and feed each conductor down the jacket to untwist it. Bonded twisted pair cable can be separated using a 1797B cable separator.

4



Use the outer edge of the cable scissors to straighten conductors. Using gentle pressure (to avoid damage to the conductors), put each conductor between thumb and edge of cutter and pull up from outer jacket to end of the conductor.

5



Arrange the conductors in the order shown:

1. White/Orange
2. Orange
3. White/Green
4. Blue
5. White/Blue
6. Green
7. White/Brown
8. Brown

Note: Wiring instructions for 568B method.

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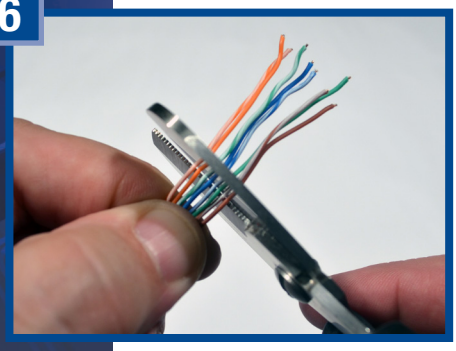
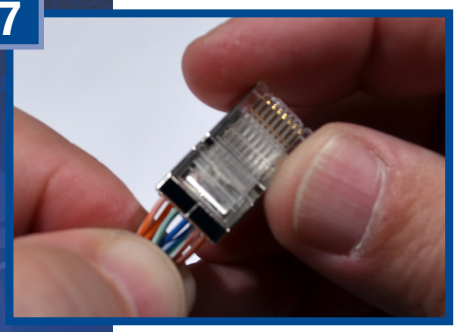
6



Bring the sorted conductors together, holding tightly between the thumb and forefinger. Recheck to ensure the wiring sequence is correct. Cut the wires at a 90º angle about 1/2” from the end of the jacket.

7



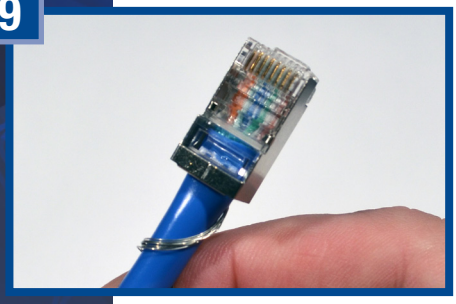
Insert the conductors into the plug Hold the plug with the copper contacts facing up and the locking tab facing down. In this position, the orange/white conductor should be the first conductor on the left. Insert the conductors into the plug. Make sure the drain wire is wrapped around the jacket underneath the back of the plug prior to crimping in order to complete the ground.

8



Crimp the plug using the Cable Pro™ CPRJ11-45 Crimp Tool. Place the plug into the crimp tool and squeeze handles tightly. The copper splicing tabs on the plug will pierce into each of the eight conductors. The locking tab will cinch onto the outer jacket of the cable.

9



Remove plug from tool. Check the conductor sequence and ensure outer jacket is inside the plug and secured by the locking tab.

Trim excess drain wire just below entry into plug.

10



Repeat steps for other end of cable. Then use a cable tester to ensure proper installation and wiring of plugs.

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