Cat 6 RJ45 Modular Plug for Solid Wire - 50 Pack

Product Diagram (CRJ45C6SOL50)



Connector		Function
1	Pins x 8	• Used to connect the eight wires within the Ethernet cable to the **Modular Connector**.

Requirements

- Unshielded Twisted Pair Patch Cable (UTC) x 1
- Modular Connectors x 2
- Crimping Tool x 1
- Cable Tester x 1
- Wire Cutter x 1

Installation

Notes: *Wire Cutter's are very sharp and should be used with extreme care.*

Wiring should be completed by a certified professional as per the local safety and building code guidelines.

1. Carefully using a **Wire Cutter** strip the jacket off of the **UTC Cable,** 1.5" from the end of the cable exposing the four pairs of twisted wires.
2. Spread the four pairs of twisted wires apart.

   Note: *CAT5e cables have a pull sting that will need to be removed.*

   CAT6 Cables have a spine that will need to be removed.
3. Untwist the four pairs of wires, creating eight separate wires.
4. Arrange the eight wires using either the T568A or T568B pattern. See Wire Orientation for more information.
5. Using the **Wire Cutters**, cut the eight wires 0.5" from the end of the wires, leaving a clean straight cut at the end of the wires.
6. Carefully insert the wires in the **Modular Connector**. Ensure that each of the wires passes through the guides that are inside of the **Modular Connector**.
7. Push the **Modular Connector** into the slot in the **Crimping Tool** and squeeze down on the handle to secure the wires in the **Modular Connector**.
8. Repeat steps 1 - 7 on the other end of the **UTC Cable**.
9. Using the **Cable Tester** on both ends of the **UTC Cable** to test each of the pins in the **Modular Connector**.

Wire Orientation

T568A Standard:

Note: *Start from the left of the* **Modular Connector** *and work towards the right (Pin 1 - 8).*

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

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T568B Standard:

Note: *T568B Standard is the mostly commonly used method for Ethernet cables.*

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

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