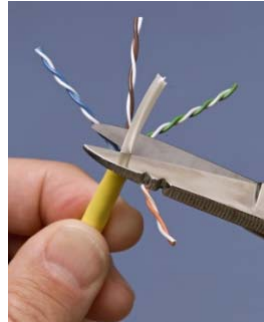


CAT6 Modular Plug Termination Instructions



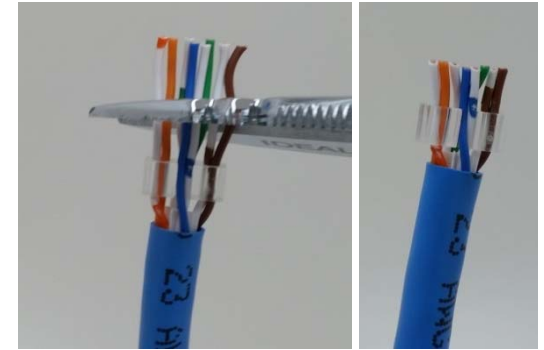
1) Score and remove 1" of outer jacket. Do not nick inner conductors with blade.



2) Remove center spline as close to jacket end as possible.



3) Place sled over twisted pairs. Place pairs based on 568A or 568B order.



4) Untwist top portion of wires, align conductors in 568A or 568B order, and use scissors to trim to 1/4" minimum (3/8" maximum).



5) Place liner over trimmed conductors. Wire tips should touch closed end of liner.



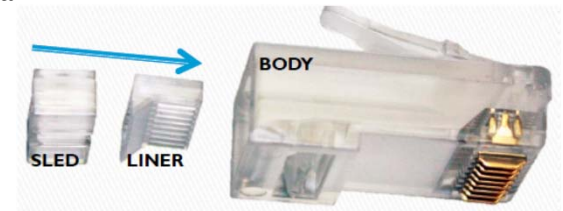
6) Slide assembly into plug body, ensuring conductors are fully inserted to the end of the body.



7) Terminate the plug with a modular plug crimper. Use the RJ45 8-position 8-contact cavity.



8) Verify correct wiring and termination with a wiremap tester.

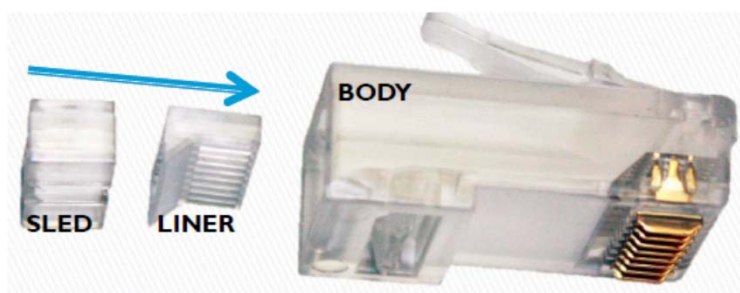


CAT6 Modular Plug Termination Instructions

Assembly Tips:

When assembling the IDEAL 85-366 CAT6 modular plugs keep these tips in mind.

- Place the twisted pairs in the sled according to 568A or 568B scheme chosen. The brown pair should always be in one of the rounded holes. The blue pair should always be in the middle (recessed) section. The location for the orange and green pairs will depend on A or B. configuration chosen. Placing them in the correct order makes it easier to untwist the wires and align the conductors in order in the following steps.
- When untwisting the pairs, only untwist the top section of the pairs. Avoid untwisting the portion of the pair that is in the sled.
- Flex the top portion of the wires to help straighten and align them in order. The straighter they are, the easier it will be to trim and place the liner onto the conductors.
- When trimming the conductors, trim them to 1/4" minimum. Slightly longer, up to 3/8" will make it easier to complete the assembly. Shorter than 1/4" will result in the wires falling short of the contact pins, and having to re-strip the cable. Longer than 3/8" is not recommended for best RF performance.
- When trimming the conductors, keep the cut straight so all conductors reach the end of the liner equally.
- Hold the conductors in the same order on both ends of the cable. Place the liner over the conductors with the liner "fin" facing the same direction on both ends of the cable. This will help prevent accidentally reversing the order of the wires on one end of the cable.
- The liner must be oriented properly to seat correctly into the plug body (see image below). The liners "fin" should point in the same direction as the gold contacts in the plug. If the pin is facing up. The fin should face up.
- The liner should touch, or be close to touching the sled as it is inserted into the plug.
- When crimping the connector, push the cable into the connector with light pressure to prevent the conductors or assembly from sliding backwards in the plug prior to crimping.



Liner "fin" points in same direction as plug pins. Here, the pin is down, and the fin is down. This shows the correct order and orientation of the 3 pieces to seat the wires correctly.

