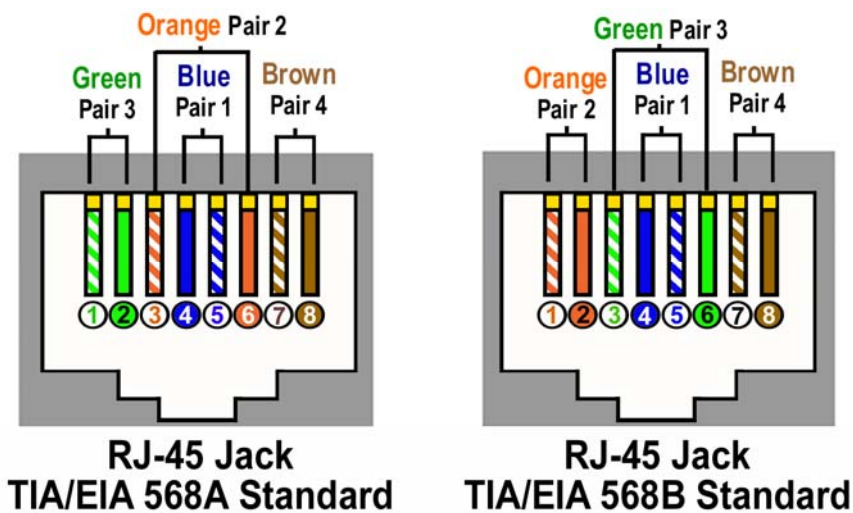# CRIMP-RJ45

8 Contact Modular Crimp Tool
For RJ11, RJ12 and RJ45 Modular Plugs

Introduction

The CRIMP-RJ45 Crimping Tool enables the user to crimp RJ45 plugs to solid and stranded CAT5/5e/6/6a (CATx) cables. The built-in wire trimmer and cable stripper allows for faster cable preparation with just one tool. Plastic-covered handles reduce fatigue and increase comfort.

The correct wiring schemes for the CATx cable are standard EIA/TIA 568A and 568B (Fig. 1).

RJ-45 Jack
TIA/EIA 568A Standard

RJ-45 Jack
TIA/EIA 568B Standard

CRIMP-RJ45

Operation

1. Cut the CATx cable to the desired length.

2. Insert an end of the CATx cable through the cable stripper (see Fig. 2) until it reaches the stop. As you squeeze the tool, rotate the tool approx. 90 degrees (1/4 rotation) around the cable to cut through the cable insulation.

3. Pull back on the tool (holding cable perpendicular to the tool) to remove the insulation and expose the 4 twisted pairs (Fig. 3).
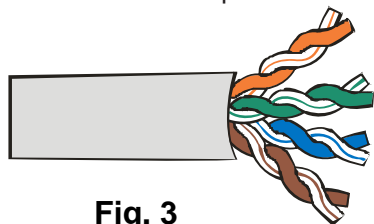

Fig. 3

4. Untwist the wires and fan them out individually. Arrange the wires into the correct color scheme. Note that each of the wires is either a solid color, or a white wire with a colored stripe. The colors are green, orange, blue, and brown. The colors need to be in the order shown in Fig. 1 (either 568A, or 568B).
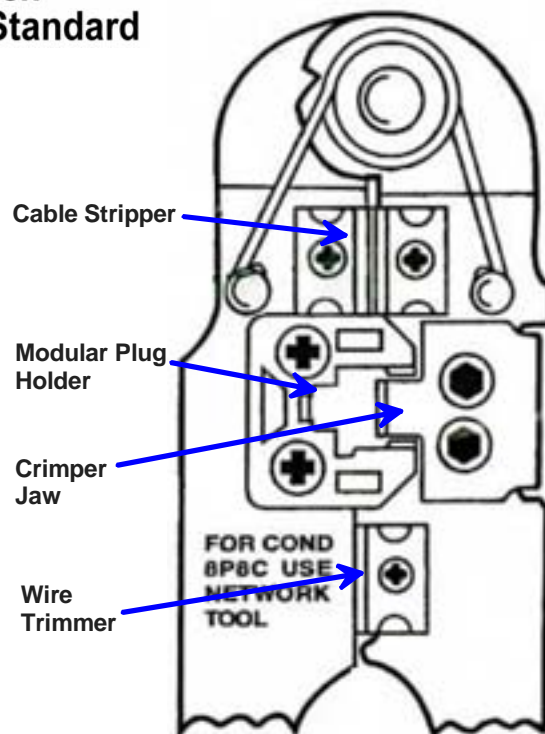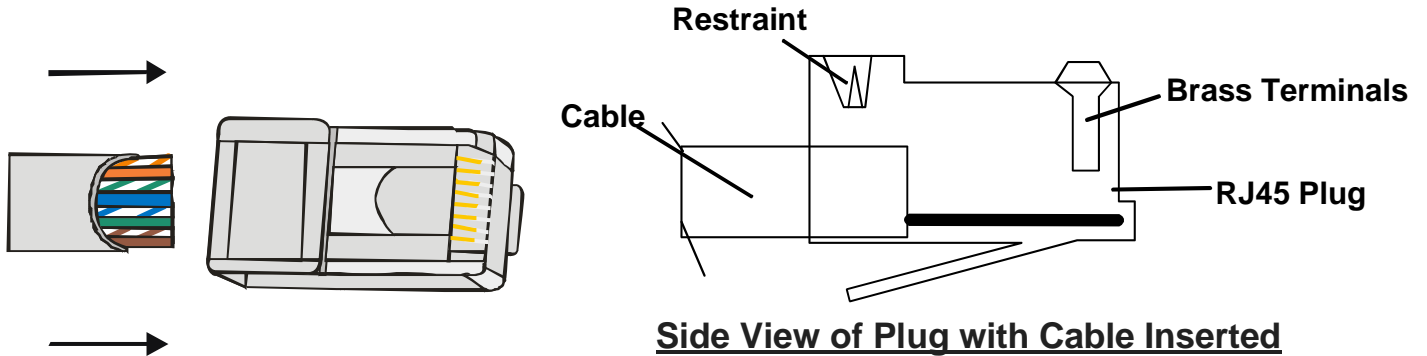
Cable Stripper

Modular Plug Holder

Crimper Jaw

Wire Trimmer

FOR COND
8P8C USE
NETWORK
TOOL

Fig. 2

5. Flatten the wires in their correct order, and use the built-in wire trimmer to trim them evenly across the top. It is best to trim the wires to about 1/2" in length. Figure 4 shows the wires in order for EIA/TIA 568B.)
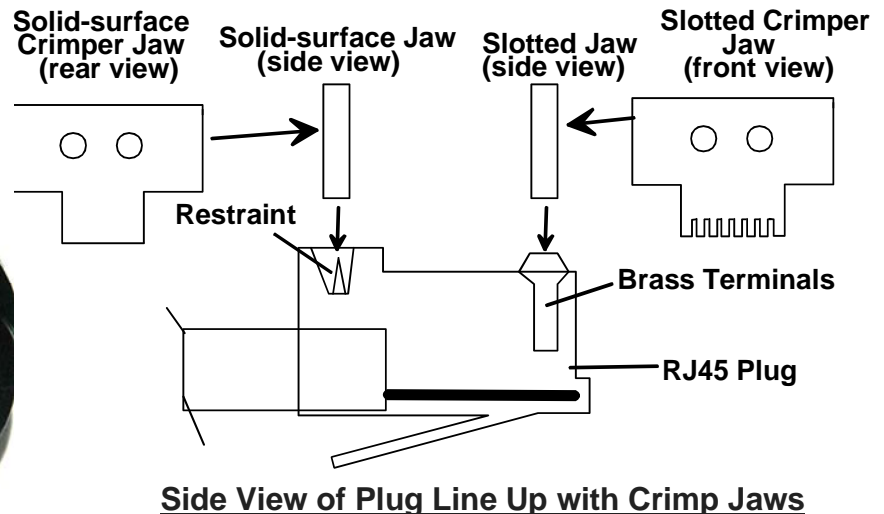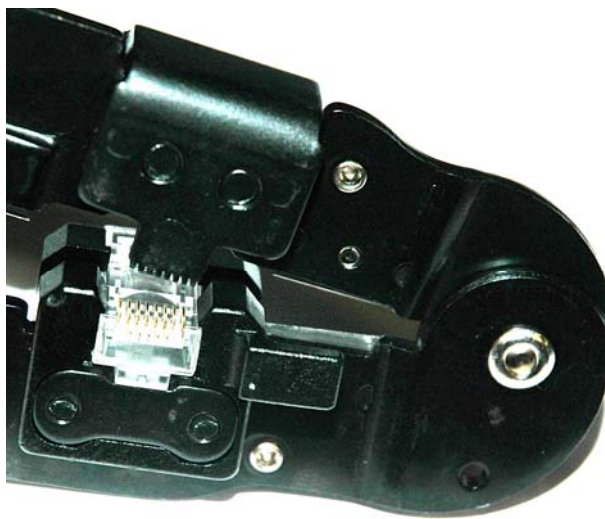

Fig. 4

6. While holding the wires flat between your thumb and forefinger, insert the wires into the RJ45 connector, so each wire is in its own slot. Push the wire into the RJ45, so all 8 conductors touch the end of the connector. The insulation jacket should extend beyond the crimp point of the RJ45 (see Fig. 5).

Side View of Plug with Cable Inserted

Fig. 5

7. Insert the RJ45 into the crimp tool aligned to the slotted jaw (Fig. 6) and squeeze the tool firmly.

Side View of Plug Line Up with Crimp Jaws

Fig. 6

8. The RJ45 should be firmly crimped to the CATx insulation. It is necessary that the wiring scheme be repeated identically on each end of the wire.

9. Testing each termination with a CAT5 wire tester (NTI PN TESTER-CABLE-CAT5 for example-sold separately**)** will insure that your wire terminations were completed successfully for flawless use of the new cable.

Technical Specifications

Applicable Cable Types	CAT5/5e/6/6a UTP and STP
Connector Types	6P2C (RJ11) 6P6C (RJ12) 8P8C (RJ45)
Dimensions W x D x H (in.)	2.375x1.00x7.875
Materials	All Steel Construction