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PRODUCTS  
INCORPORATED**

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# **CRIMP-RJ45-SFV2**

**Ratchet RJ45 Modular Crimp Tool –  
Compatible with Super/Ultra Flat  
and Round Cable Plugs**

## **Operation Manual**

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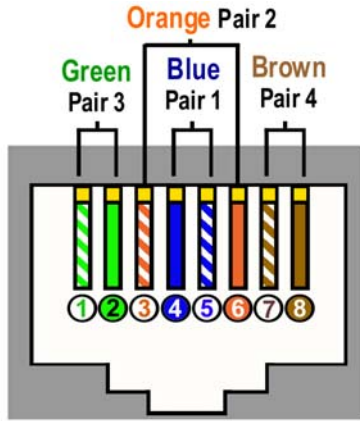
## **CHANGES**

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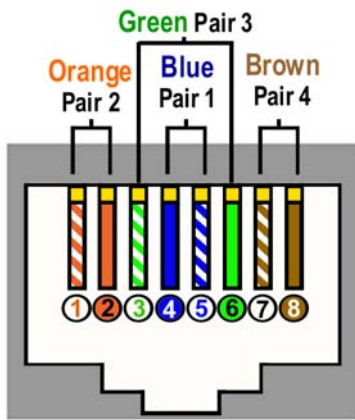
## Introduction

The CRIMP-RJ45-SFV2 Crimping Tool enables the user to crimp RJ45 plugs (long body and short body) to solid and stranded CAT5e/6 (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.

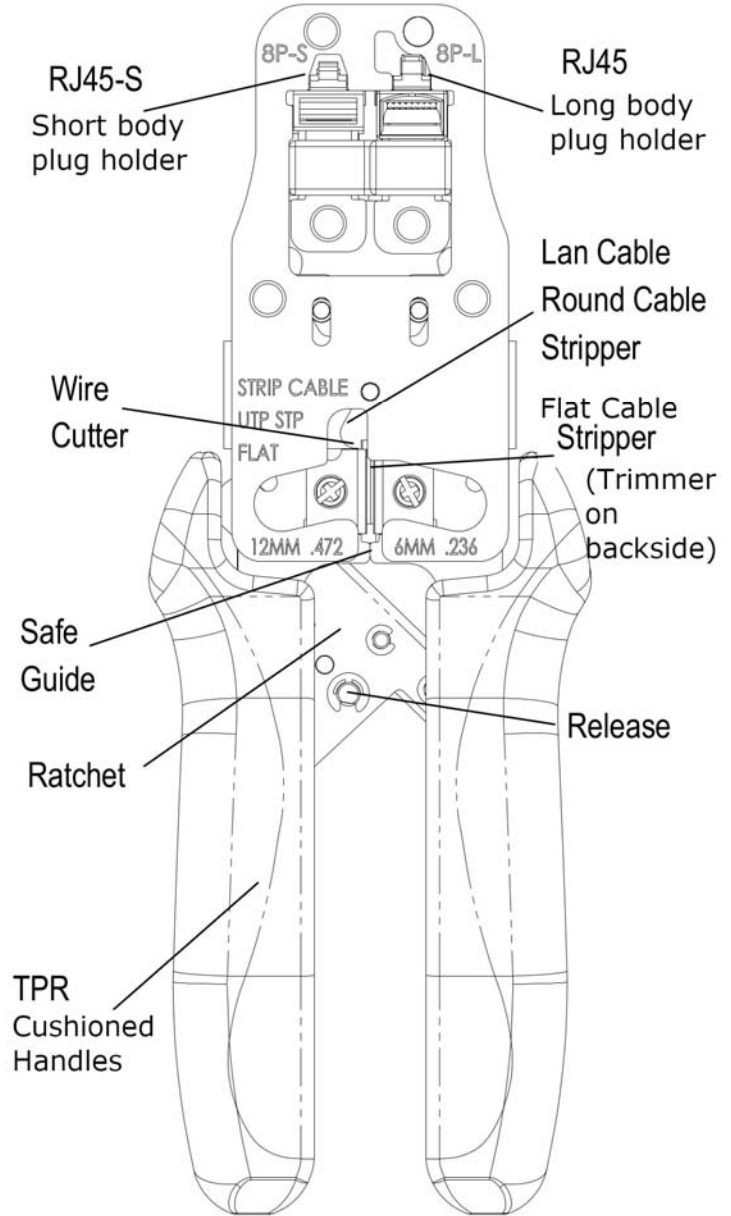
The correct wiring schemes for the CATx cable are standard EIA/TIA 568A and 568B (see below).



**RJ-45 Jack  
TIA/EIA 568A Standard**

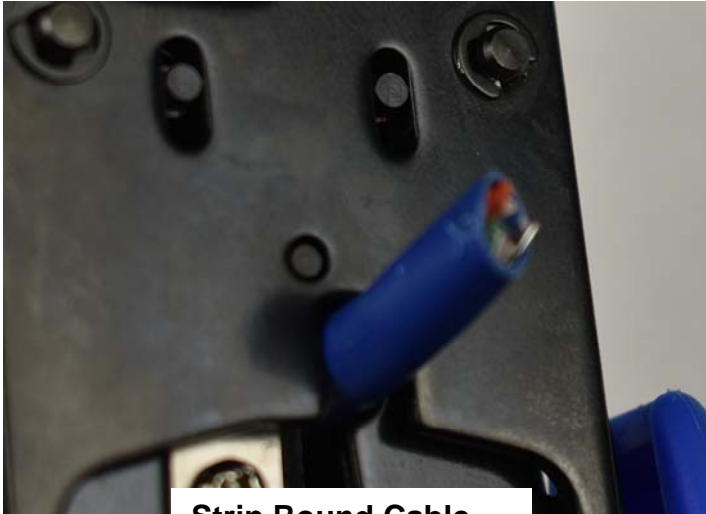


**RJ-45 Jack  
TIA/EIA 568B Standard**



## Operation

1. Cut the CATx cable to the desired length.
2. Insert an end of the CATx cable through the cable stripper to the desired depth. Insert through the Round Cable Stripper if you have a round CATx cable, or insert through the Flat Cable Stripper if you have a flat CATx cable.



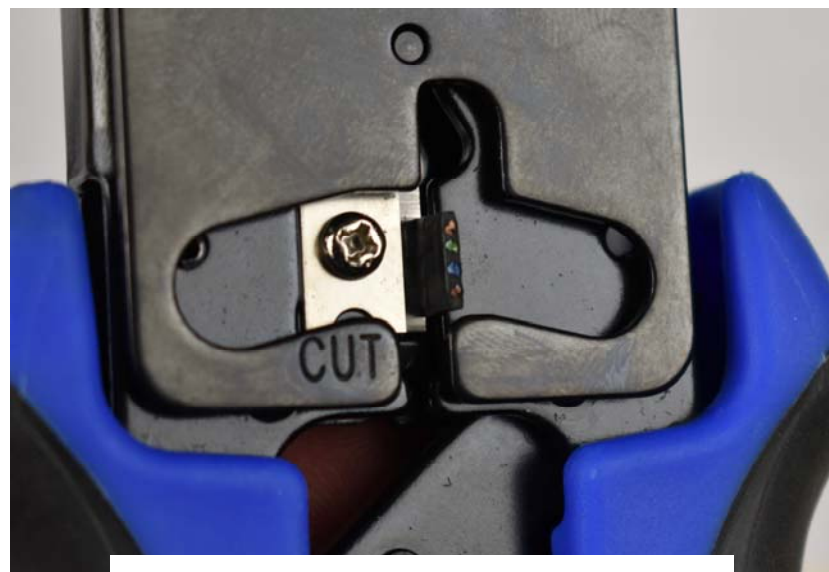
**Strip Round Cable**



**Strip Flat Cable**

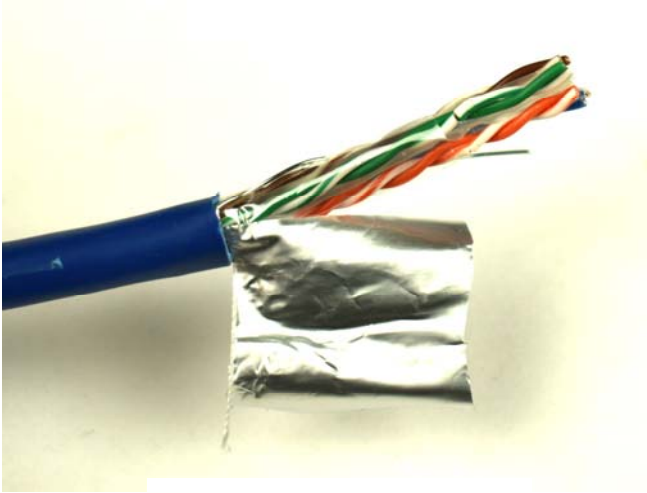
When stripping round cables, as you squeeze the tool, rotate the tool 360 degrees (1 rotation) around the cable to cut through the cable insulation. Then pull the jacket off.

**Note:** When stripping a flat cable, if you stick it through too far, the extra portion will be cut off clean by the blade on the other side. This blade can also be used to trim the wires after you have lined them up to go into the body of the RJ45 plug.

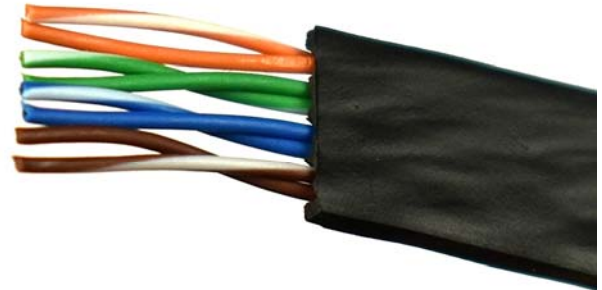


**Cutting/Trimming blade on backside**

The resulting stands are ready to terminate.

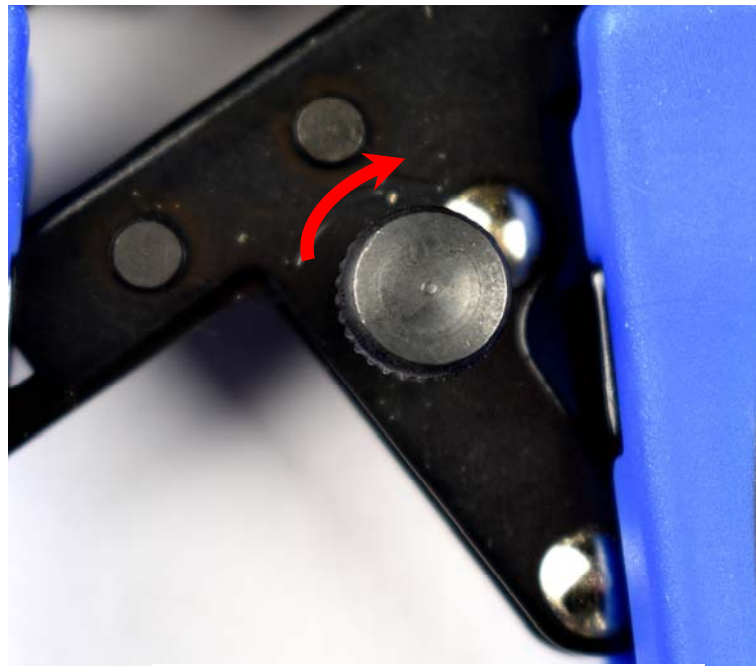


**Stripped Round Cable**



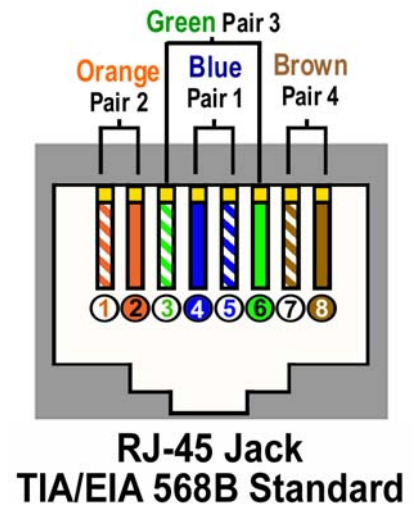
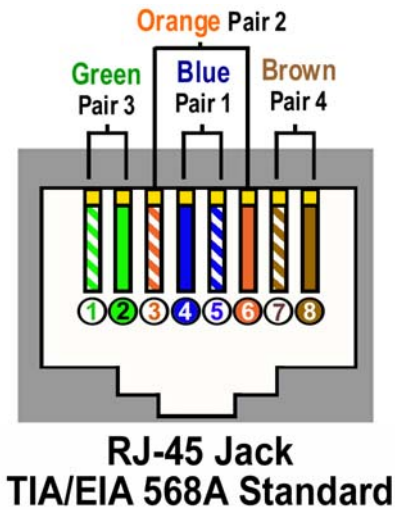
**Stripped Flat Cable**

If for some reason you need to release the jaws of the stripper and adjust the cable, simply rotate the knob on the ratchet clockwise. The ratchet will release and the handles will separate.



**Rotate knob to release ratchet**

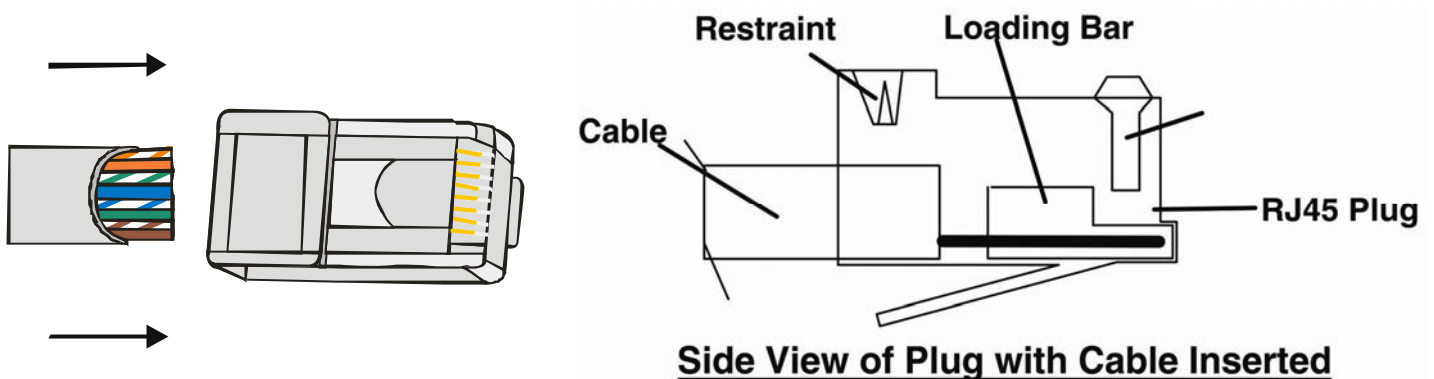
3. Untwist the wires and fan them out individually. Arrange the wires into the correct color scheme. Note that each of the wires is either a solid color, or a white wire with a colored stripe. The colors are green, orange, blue and brown. The colors need to be in the order shown below (either 568A, or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



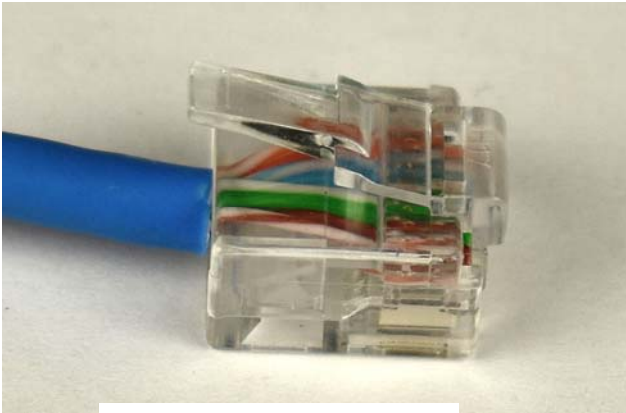
4. Flatten the wires in their correct order, and use the built-in wire trimmer to trim them evenly across the top. It is best to trim the wires to about 1/2" in length.



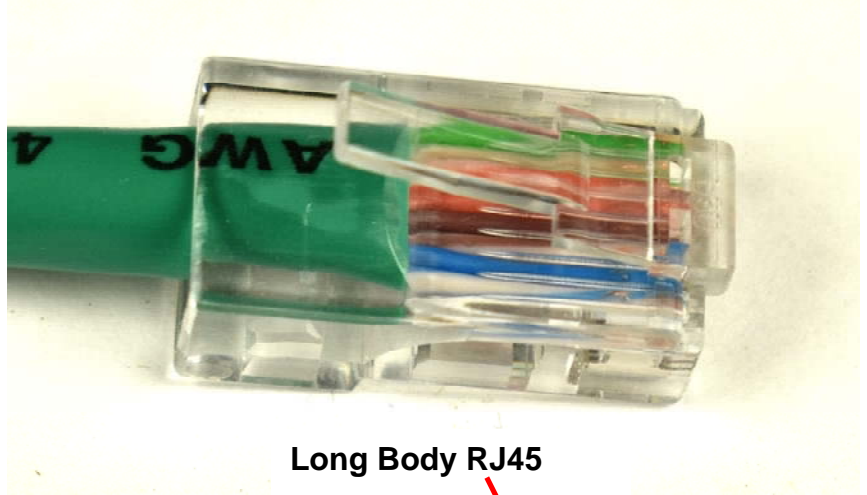
5. While holding the wires flat between your thumb and forefinger, insert the wires into the RJ45 connector, so each wire is in its own slot. (If your connector comes with a loading bar, like RJ45-PLG-SF, insert the wires into the loading bar in the proper order first.) Push the prepared cable into the RJ45, so all 8 conductors touch the end of the connector. The insulation jacket should extend beyond the crimp point of the RJ45.



6. Insert the RJ45 into the crimp tool and squeeze the tool firmly. If crimping a short body RJ45, use the "8P-S" side, if a long body RJ45, use the "8P-L" side.



**Short Body RJ45**



**Long Body RJ45**



**Crimping the Short Body RJ45**



**Crimping the Long Body RJ45**

7. 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 cable.

8. Testing each termination with a CATx cable tester (NTI PN [TESTER-CABLE-LG1200](#) 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	CAT5e/6 UTP and STP Round or Flat or Superflat or Ultra-superflat
Connector Types	8P8C (RJ45) short or long body
Dimensions W x D x H (in.)	2.875 x.875 x 7.875
Materials	All Steel Construction
Finish	Black Oxide
Weight	370g