

## Proster PST186

# Proster RJ45 Pass-Through Crimping Tool Kit

Model: PST186 - Instruction Manual

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## 1. INTRODUCTION

This manual provides instructions for the safe and effective use of the Proster RJ45 Pass-Through Crimping Tool Kit. This tool is designed for crimping RJ45 (8P8C) connectors onto Cat5e and Cat6 Ethernet cables, featuring a pass-through design for simplified wire trimming.

## 2. PRODUCT COMPONENTS

The Proster RJ45 Pass-Through Crimping Tool Kit includes the following items:

- RJ45 Pass-Through Crimping Tool
- 50 x Cat6 Pass-Through RJ45 Connectors
- 50 x Cat6 RJ45 Connector Covers
- Mini Cable Stripper
- Replacement Blades

# Outil de Sertissage RJ45 Cat5 Cat6 Pass Through



50 x Cat6 Pass Through Connectors



50 x Cat6 Protections



Mini-Pince à Dénuder

Image: Contents of the Proster RJ45 Crimping Tool Kit, including the crimper, 50 Cat6 pass-through connectors, 50 blue connector covers, a mini cable stripper, and replacement blades.

## 3. TOOL SETUP AND PREPARATION

### 3.1 Locking and Unlocking the Tool

The crimping tool features a locking mechanism for safe storage and to maintain its compact form. To unlock the tool, simultaneously press the handle and the lock button. To lock it, press the handle and engage the lock button.

## Statut Verrouillé

Appuyer simultanément sur la poignée et le bouton de verrouillage pour déverrouiller la sertisseuse.



## Statut Déverrouillé

Verrouiller la sertisseuse en appuyant simultanément sur la poignée et le bouton de verrouillage.



Image: Demonstrates the locked and unlocked states of the crimping tool. The top image shows the tool in a locked position, while the bottom image shows it unlocked, ready for use.

### 3.2 Tool Functions (3-in-1 Design)

This crimping tool integrates three essential functions for Ethernet cable preparation:

- **Cutting:** For cleanly cutting the Ethernet cable to the desired length.
- **Stripping:** For removing the outer jacket of the cable to expose the twisted pairs.
- **Crimping:** For securely attaching RJ45 connectors to the prepared cable.

# 3 En 1 Design

Découpage, rayage et sertissage de boîtes



Image: Illustrates the three functions of the crimping tool: cutting, stripping, and crimping, highlighting the dedicated slots for each operation.

## 4. OPERATING INSTRUCTIONS: CRIMPING RJ45 CONNECTORS

Follow these steps to properly crimp an RJ45 connector onto an Ethernet cable:

- 1. Prepare the Cable:** Use the stripping function of the tool or the included mini stripper to carefully remove approximately 1 inch (2.5 cm) of the outer jacket from the end of the Ethernet cable. Ensure not to cut the inner wires.
- 2. Untwist and Straighten Wires:** Untwist the four pairs of wires and straighten them out.
- 3. Arrange Wires:** Arrange the wires according to either the T568A or T568B wiring standard (refer to Section 5 for diagrams). Ensure the wires are flat and aligned.
- 4. Trim Wires:** Use the cutting blade on the crimping tool to trim the wires evenly, leaving about 0.5 inches (1.2 cm) exposed from the jacket.

5. **Insert into Connector:** Carefully insert the arranged and trimmed wires into the RJ45 pass-through connector. Push firmly until all wires pass through the front of the connector and the cable jacket is seated inside the connector body.
6. **Crimping:** Place the prepared connector into the 8P crimping slot of the tool. Squeeze the handles firmly and completely until the tool clicks or the handles meet. The pass-through design will automatically trim any excess wire protruding from the front of the connector.
7. **Verify Connection:** After crimping, visually inspect the connector to ensure all wires are properly seated, the jacket is secured, and the excess wires are cleanly trimmed.

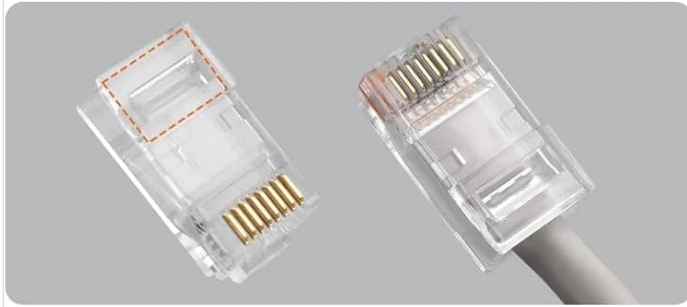


Image: A nine-panel sequence illustrating the complete process of preparing an Ethernet cable and crimping an RJ45 pass-through connector, from stripping to final connection.

#### 4.1 Connector Compatibility

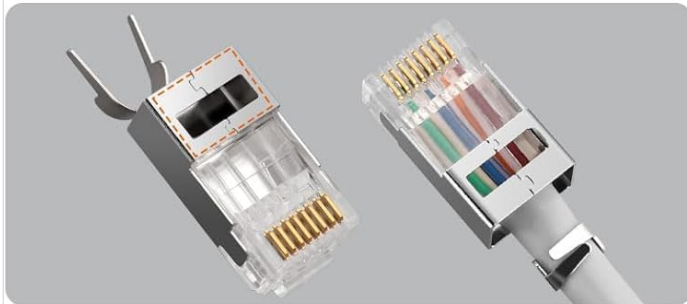
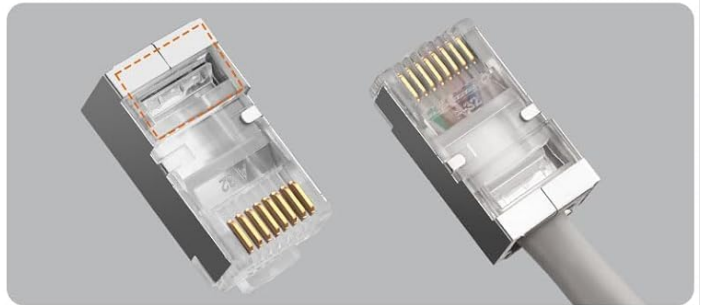
This tool is compatible with RJ45 (8P8C) pass-through connectors for Cat5e, Cat6, Cat6A, and Cat7 cables. It is designed to automatically trim excess wire for pass-through connectors. It is not suitable for closed-end connectors where wires do not pass through.

# Pour Sertir les Connecteurs RJ45 (8P8C)



« Convient pour les bouchons qui ont un trou dans cette zone

Peut sertir des connecteurs RJ45 Cat5/Cat5E/Cat6/ Cat6A/Cat7 »



« Peut sertir des connecteurs de type "pass-thru" et "non-pass-thru".  
Coupe automatiquement l'excédent de câblage pour les connecteurs RJ45 de type "pass-thru".

Ne s'applique pas aux bouchons dont la pièce est de construction fermée »

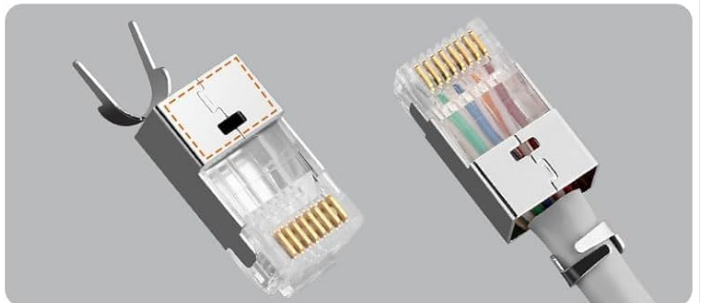


Image: Shows various types of RJ45 connectors, indicating which ones are compatible (pass-through types) and incompatible (closed-end types) with the crimping tool.

## 5. T568A AND T568B WIRING STANDARDS

Ethernet cables use specific wiring standards to ensure proper network connectivity. The two most common standards are T568A and T568B. Ensure you follow one standard consistently for both ends of a straight-through cable, or use T568A on one end and T568B on the other for a crossover cable.

# T568 Diagramme de Séquence de Lignes Standard

Le diagramme de séquence est également joint à la pince à sertir RJ45



**T568A**



**T568B**



Image: Detailed diagrams illustrating the wire color order for both T568A and T568B wiring standards within an RJ45 connector.

## 6. MAINTENANCE

- **Cleaning:** Keep the tool clean and free from dust and debris. Use a dry cloth to wipe down the surfaces.
- **Blade Replacement:** The cutting and stripping blades are sharp and can be replaced when they become dull. Refer to the included replacement blades and instructions for safe replacement.
- **Storage:** Store the tool in a dry, cool place, preferably in its locked position, to prevent accidental injury and prolong its lifespan.

## 7. TROUBLESHOOTING

- **Poor Connection:** If a network cable does not function after crimping, check the following:
  - Ensure the wires are arranged correctly according to T568A or T568B standards.
  - Verify that all wires are fully inserted into the connector and make contact with the metal pins.

- Confirm that the crimp was firm and complete.
- Check for any nicks or damage to the individual wires.
- **Difficulty Stripping/Cutting:** If the blades are not cutting or stripping cleanly, they may be dull and require replacement.

## 8. SPECIFICATIONS

|                                |                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------|
| Brand                          | Proster                                                                            |
| Model Number                   | PST186                                                                             |
| Product Dimensions (L x W x H) | 13.5 x 3.2 x 0.1 cm (5.32 x 1.26 x 0.04 inches)                                    |
| Item Weight                    | 490 Grams (1.08 lbs)                                                               |
| Handle Material                | Eco-friendly materials                                                             |
| Handle Type                    | Ergonomic and Anti-slip                                                            |
| Specific Uses                  | Network tasks, cable installation, repair work in homes, offices, and data centers |

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the manufacturer's official website or contact their customer service directly. Details are typically provided with your purchase documentation.

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Question

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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