## Brileine Brileine_RJ45_Crimp_Tool_50PCS

# Brileine Cat 6 Pass Through RJ45 Crimp Tool Kit

MODEL: BRILEINE_RJ45_CRIMP_TOOL_50PCS

## 1. Introduction

This manual provides comprehensive instructions for the safe and effective use of your Brileine Cat 6 Pass Through RJ45 Crimp Tool Kit. This kit is designed for creating custom-length Ethernet cables (CAT5, CAT5e, CAT6/6A) using the included crimp tool, shielded RJ45 pass-through connectors, and strain relief boots. Please read this manual thoroughly before operation to ensure proper usage and optimal performance.

## 2. Package Contents

Verify that all items listed below are present in your package:

- 1x RJ45 Pass Through Crimp Tool
- 50x Shielded RJ45 Pass Through Connectors (Cat 6)
- 50x RJ45 Strain Relief Boots
- 1x Mini Cable Stripper
- Replacement Blades (pre-installed or included separately)


*Figure 2.1: Complete Brileine Cat 6 Pass Through RJ45 Crimp Tool Kit showing the crimp tool, 50 shielded RJ45 connectors, and 50 blue strain relief boots.*

## 3. Setup and Cable Preparation

### 3.1. Understanding the Crimp Tool Features


*Figure 3.1: The Brileine crimp tool with labels for its functions: crimp 6P/8P modular connectors, wiring guide*

*(T568B/T568A), unlock, strip, and cut.*

- **Crimp Jaws:** For securing RJ45 (8P) and RJ11/RJ12 (6P) connectors.
- **Wiring Guide:** Integrated color codes for T568A and T568B standards.
- **Cut Blade:** For cleanly cutting Ethernet cable.
- **Strip Blade:** For removing the outer jacket of the cable.
- **Lock Mechanism:** To keep the tool closed for storage.

### 3.2. Preparing the Ethernet Cable

1. **Cut the Cable:** Use the cutting blade on the crimp tool or the mini cable stripper to make a clean, straight cut on the end of your Ethernet cable.
2. **Strip the Outer Jacket:**
    - Insert the cable into the stripping slot of the crimp tool or use the mini cable stripper.
    - Rotate the tool around the cable 1-2 times to score the jacket.
    - Carefully remove approximately 0.5 to 0.75 inches (1.2 to 1.9 cm) of the outer jacket, exposing the twisted pairs.

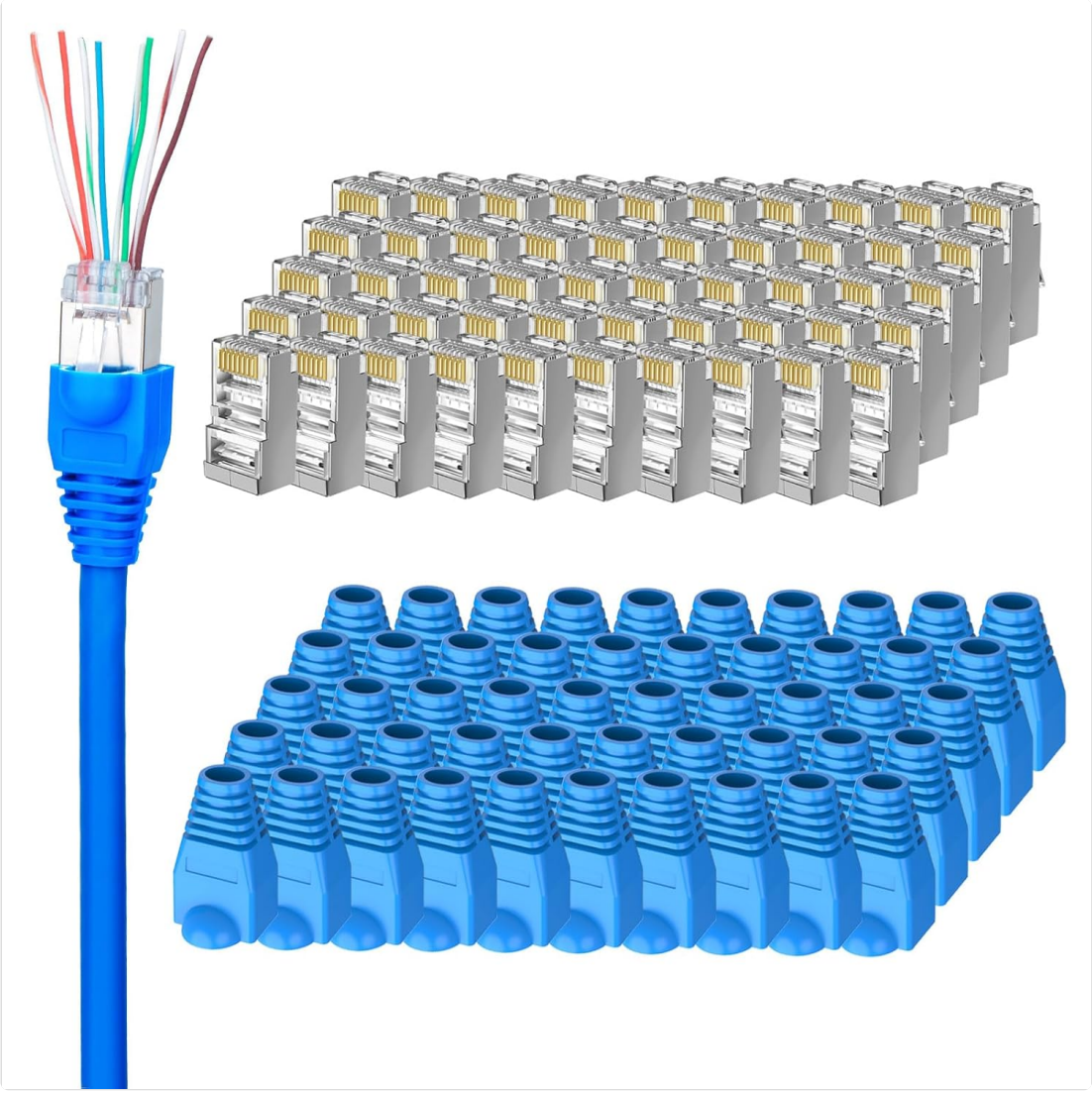

*Figure 3.2: The crimp tool's stripping function in use, removing the outer jacket of an Ethernet cable.*

3. **Untwist and Straighten Wires:** Carefully untwist the four pairs of wires. Straighten each individual wire as much as possible.
4. **Arrange Wires According to Standard:** Refer to the T568A or T568B wiring guide on the crimp tool. Most common installations use T568B.

- **T568B Standard:** Orange/White, Orange, Green/White, Blue, Blue/White, Green, Brown/White, Brown
- **T568A Standard:** Green/White, Green, Orange/White, Blue, Blue/White, Orange, Brown/White, Brown

Ensure the wires are arranged in the correct order from left to right, with the insulation of the outer jacket extending slightly into the connector.

5. **Trim Wires Evenly:** Once arranged, hold the wires firmly together and use the cutting blade of the crimp tool to trim them evenly, ensuring they are all the same length and straight. The length should be just enough to reach the end of the RJ45 connector when inserted.

## 4. Operating Instructions: Crimping RJ45 Connectors

Follow these steps to properly crimp an RJ45 pass-through connector onto your prepared Ethernet cable:

1. **Insert Wires into Connector:** Carefully push the arranged and trimmed wires into the RJ45 pass-through connector. Ensure each wire slides into its corresponding channel and passes completely through the front of the connector. The cable jacket should be seated firmly inside the connector body for strain relief.
2. **Verify Wire Order:** Visually inspect the wires through the clear connector body to confirm they are in the correct T568A or T568B order and that each wire extends slightly out of the front of the connector.
3. **Insert Connector into Crimp Tool:** Place the RJ45 connector, with the cable inserted, into the 8P crimping slot of the crimp tool. Ensure the connector is fully seated.
4. **Crimp the Connector:** Squeeze the handles of the crimp tool firmly and completely until you hear a click or feel the tool bottom out. This action pushes the pins down into the wires and simultaneously trims the excess wire extending from the front of the pass-through connector.
5. **Remove and Inspect:** Release the handles and remove the crimped connector. Inspect the connection to ensure all pins are evenly pressed down and the excess wires are cleanly trimmed.
6. **Attach Strain Relief Boot (Optional but Recommended):** Slide an RJ45 strain relief boot over the crimped connector. These boots help protect the cable from bending and provide additional strain relief.


*Figure 4.1: Step-by-step visual guide for crimping an RJ45 connector, from cable preparation to final inspection.*

## 5. Maintenance

- **Cleaning:** Periodically clean the crimp tool with a dry, soft cloth to remove any dust or debris. Avoid using abrasive cleaners or solvents.
- **Lubrication:** Apply a small amount of light machine oil to the pivot points of the tool if the action becomes stiff.
- **Blade Replacement:** The cutting and stripping blades are designed for durability but may dull over time with heavy use. Replace blades as needed to ensure clean cuts and strips. Refer to the tool's design for blade access and replacement.
- **Storage:** Store the tool in a dry environment, preferably in its original packaging or a tool bag, to protect it from moisture and damage. Use the lock mechanism to keep the tool closed during storage.

## 6. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Wires not trimming cleanly | Dull cutting blade; Wires not fully extended through connector. | Replace the cutting blade; Ensure wires pass completely through the connector before crimping. |
| Poor network connection after crimping | Incorrect wiring order (T568A/B mismatch); Wires not fully seated in pins; Pins not fully crimped. | Verify wiring order against standard; Ensure wires are pushed all the way to the front of the connector; Squeeze crimp tool handles completely. Use a cable tester to verify continuity. |
| Cable jacket not secured in connector | Cable stripped too long; Cable not pushed far enough into connector. | Ensure only 0.5-0.75 inches of jacket is removed; Push cable firmly into connector so jacket is under the strain relief tab. |
| Tool feels stiff or difficult to operate | Lack of lubrication; Debris in mechanism. | Apply light machine oil to pivot points; Clean any visible debris. |

## 7. Specifications

- **Brand:** Brileine
- **Model Number:** Brileine_RJ45_Crimp_Tool_50PCS
- **Compatible Cable Types:** CAT5, CAT5e, CAT6, CAT6A Ethernet cables
- **Compatible Connectors:** RJ45 (8P8C) Pass Through, RJ11/RJ12 (6P)
- **Special Feature:** Pass Through technology for improved crimping accuracy
- **Included Connectors:** 50x Shielded RJ45 Pass Through Connectors (Cat 6)
- **Included Boots:** 50x RJ45 Strain Relief Boots
- **Tool Functions:** Cut, Strip, Crimp

## 8. Warranty and Support

Brileine offers an 18-month after-sales service for this RJ45 pass-through crimper kit. If you encounter any questions or require assistance with your product, please do not hesitate to contact Brileine customer support. We are committed to providing a satisfactory solution.

For support, please refer to the contact information provided with your purchase or visit the official Brileine website.