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YGiTK KTY069

YGiTK RJ45 Crimping Tool with Network Tester KTY069 User Manual

Model: KTY069 | Brand: YGiTK

1. Introduction

The YGiTK RJ45 Crimping Tool Kit KTY069 is a comprehensive solution for network cable installation, maintenance, and repair. This multifunctional tool integrates cutting, stripping, and crimping capabilities for RJ45 (8P8C) and RJ11/RJ12 (6P4C/6P6C) connectors. It is compatible with various cable categories, including CAT5, CAT5e, CAT6, CAT6a, CAT7, and CAT7a. The kit also includes a network cable tester to verify correct wiring and ensure stable data transfer.

Package Contents:

- 1 x YGiTK RJ45 Crimping Tool (with CAT7 pass-through holes)
- 1 x Set of Replacement Blades
- 50 x Gold-Plated CAT6 RJ45 Connectors
- 50 x Blue Strain Relief Boots
- 1 x Network Cable Tester
- 1 x Mini Wire Stripper



Image 1.1: Complete contents of the YGiTK RJ45 Crimping Tool Kit KTY069, including the crimping tool, cable tester, connectors, boots, and accessories.

2. Setup and Preparation

Before crimping, ensure you have all necessary components and understand the wiring standards.

2.1 Cable Preparation

1. **Strip the Cable Jacket:** Use the integrated stripper on the crimping tool or the mini wire stripper to carefully remove approximately 15-20mm of the outer jacket from the network cable. Ensure not to cut or damage the internal wires.
2. **Untwist and Straighten Wires:** Untwist the four pairs of wires and straighten each individual wire.
3. **Arrange Wires:** Arrange the wires according to the desired wiring standard (T568A or T568B). Ensure the wires are straight and parallel.



Image 2.1: Visual guide for preparing the network cable, including stripping, untwisting, and arranging wires.

2.2 Wiring Standards (T568A and T568B)

The YGiTK crimping tool supports both T568A and T568B wiring standards for RJ45 connectors. Refer to the diagrams below for correct wire order.

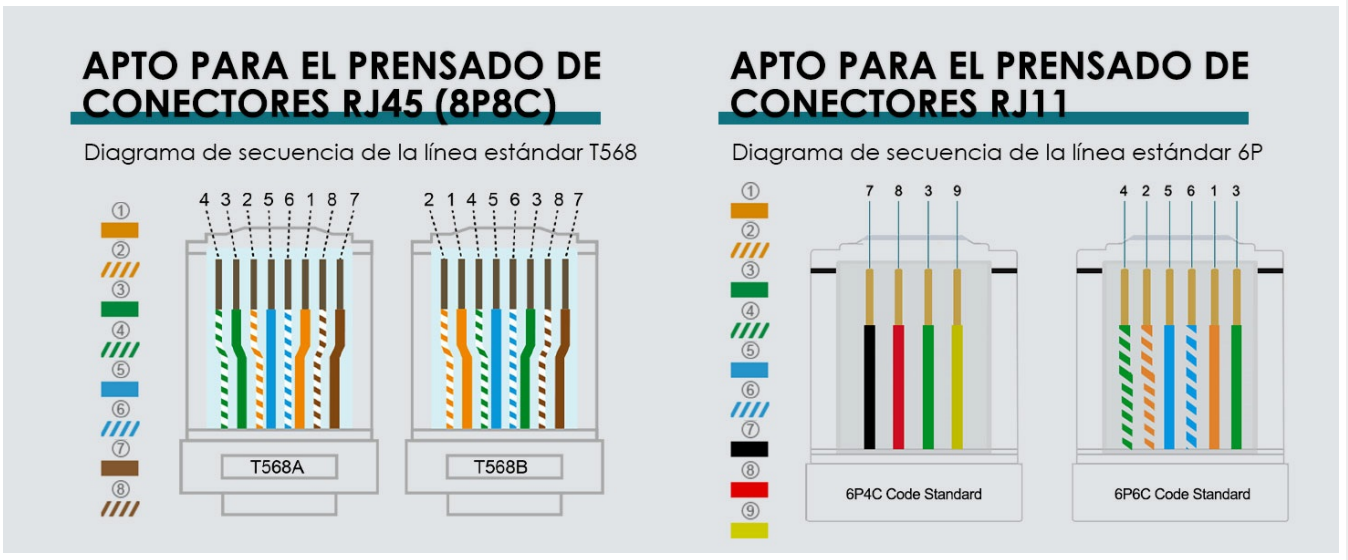

Image 2.2: Detailed wiring diagrams for RJ45 (T568A, T568B) and RJ11 (6P4C, 6P6C) connectors.

3. Operating Instructions

3.1 Using the Crimping Tool

1. **Cutting:** Use the integrated cutting blade to trim the straightened wires to the appropriate length before inserting them into the connector. The tool's pass-through design allows for excess wire to be cut during crimping.
2. **Stripping:** The tool features a stripping function for removing the cable's outer jacket. Insert the cable into the designated stripping slot and rotate the tool or squeeze the handles gently.
3. **Inserting Wires into Connector:** Carefully insert the arranged and trimmed wires into the RJ45 connector, ensuring each wire reaches the front of the connector and maintains its correct order.
4. **Crimping:** Place the prepared connector into the appropriate crimping slot on the tool (8P for RJ45, 6P for RJ11/RJ12). For CAT7 shielded connectors, ensure the tool is set to the CAT7 adjustment. Squeeze the handles firmly and completely until the connector's pins are fully seated and the strain relief is secured. The pass-through design will trim any excess wires during this step.



Image 3.1: The 3-in-1 functionality of the crimping tool: cutting, stripping, and crimping.

3.2 Using the Network Cable Tester

The included network cable tester verifies the correct wiring of your crimped cables.

1. **Connect Cable:** Plug one end of the crimped network cable into the RJ45 port of the main tester unit and the other end into the RJ45 port of the remote unit.
2. **Power On:** Turn on the cable tester using the power switch.
3. **Observe Indicators:** The indicator lights on both units will illuminate sequentially, corresponding to each wire. If all lights illuminate in the correct order on both units, the cable is wired correctly. Any skipped, out-of-order, or non-illuminating lights indicate a wiring fault.



Image 3.2: The network cable tester in operation, showing indicator lights for wiring verification.

4. Maintenance

Proper maintenance ensures the longevity and performance of your YGiTK crimping tool kit.

- **Cleaning:** After each use, wipe down the crimping tool and tester with a clean, dry cloth to remove any dust, debris, or wire fragments.
- **Blade Replacement:** The crimping tool comes with a set of replacement blades. If the cutting or stripping blades become dull, carefully replace them according to the tool's design. Ensure the tool is locked or closed securely before attempting blade replacement.
- **Storage:** Store the tools in a dry, clean environment, away from moisture and extreme temperatures, to prevent corrosion and damage.

5. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Cable not crimped securely	Insufficient pressure during crimping; incorrect connector type; wires not fully inserted.	Ensure firm, complete pressure on the handles. Verify the connector matches the cable type (e.g., CAT6 for CAT6). Push wires fully into the connector until they reach the front.
Network tester shows incorrect wiring (lights out of order or missing)	Incorrect wire arrangement; faulty crimp; damaged cable.	Re-check the wire order against T568A/B standards. Re-crimp the connector, ensuring all pins make contact. Inspect the cable for visible damage.
Cable jacket not stripping cleanly	Dull stripping blade; incorrect cable size for stripper slot.	Replace the stripping blade if dull. Ensure the cable is placed in the correct slot for its diameter.

6. Specifications

Feature	Detail
Brand	YGiTK
Model Number	KTY069
Color	Blue
Material (Handle)	Plastic
Material (Tool Body)	Carbon Steel
Compatible Connectors	RJ45 (8P8C), RJ11 (6P4C), RJ12 (6P6C)
Supported Cable Categories	CAT5, CAT5e, CAT6, CAT6a, CAT7, CAT7a
Functions	Cutting, Stripping, Crimping, Cable Testing
Crimping Tool Dimensions (Approx.)	135mm (Length) x 67mm (Width)
Origin	China



Image 6.1: Approximate dimensions of the YGiTK RJ45 crimping tool.

7. Warranty and Support

7.1 Warranty Information

Specific warranty details for the YGiTK RJ45 Crimping Tool Kit KTY069 are not provided in this manual. Please refer to the product packaging, the seller's website, or contact the manufacturer directly for comprehensive warranty information.

7.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your product, please contact the seller or the YGiTK manufacturer's customer support. Contact information can typically be found on the product packaging or the official YGiTK website.

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