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InstallerParts 22811

InstallerParts Professional Network Tool Kit 15 In 1 User Manual

Model: 22811

Introduction

The InstallerParts Professional Network Tool Kit is a comprehensive 15-piece set designed for efficient Ethernet cable installation and troubleshooting. This kit is suitable for both beginners and seasoned professionals, providing high-quality tools for various networking tasks. It includes essential tools such as a crimper, cable tester, wire stripper, punch down tool, screwdriver, and utility knife, all organized in a durable carrying case.



Figure 1: The InstallerParts 15-in-1 Network Tool Kit, showcasing all tools neatly organized within its hard-shell carrying case.

Kit Components Overview

This kit contains the following essential tools:

- **RJ11/RJ45 Crimper:** For crimping, stripping, cutting, and twisting Cat5E/Cat6A/Cat7/Cat7A/Cat8 connectors and 20-30 gauge wires.
- **Electric Network Cable Data Tester:** For testing LAN/Ethernet Cat5/Cat6 cable connections.
- **66/110 Punch Down Installation Tool:** Designed for high-volume punch downs of Cat5 to Cat6A cable installations.
- **Multifunction Screwdriver:** A 2-in-1 screwdriver for various tasks.
- **Utility Knife:** A razor-sharp knife for general utility.
- **Wire Stripper:** For stripping insulation from wires.

- **Portable Carrying Case:** A lightweight, durable hard case for organization and transport.



Figure 2: The RJ45 Crimper, featuring a steel body for durability and ergonomic comfort grips.



Figure 3: The Wire Stripper, designed for fast and easy stripping with long-lasting sharp edges and soft-grip handles.



Figure 4: The Punch Down Tool, offering reliable and easy use with precision blades and adjustable settings.



Figure 5: The Electric Network Cable Data Tester, providing accurate and reliable testing for network cables.



Figure 6: Additional components including the screwdriver, utility knife, and RJ45 connectors, providing everything needed for network tasks.

Setup

Cable Tester Battery Installation

1. Locate the battery compartment on the back of the Electric Network Cable Data Tester.
2. Open the compartment cover.
3. Insert a 9-volt battery (not included), ensuring correct polarity.
4. Close the battery compartment cover securely.

No other tools in this kit require battery installation or complex setup procedures.

Operating Instructions

Using the RJ11/RJ45 Crimper

1. **Stripping Cable:** Insert the cable into the appropriate stripping slot on the crimper. Rotate the crimper around the cable to cut the outer jacket without damaging the inner wires. Remove the stripped jacket.
2. **Arranging Wires:** Untwist the wire pairs and arrange them according to the desired wiring standard (e.g., T568A or T568B). Trim the wires to the correct length, ensuring they are straight and even.
3. **Inserting into Connector:** Carefully insert the arranged wires into the RJ45 or RJ11 connector, ensuring each wire reaches the end of its pin.
4. **Crimping:** Place the connector with the inserted wires into the crimping slot of the tool. Squeeze the handles firmly and completely until the connector is securely crimped onto the cable. The blade guard helps reduce risk of injury.

Using the Wire Stripper

1. Identify the correct gauge slot on the stripper for your wire size (20-30 gauge).
2. Place the wire into the corresponding slot.
3. Squeeze the handles firmly to cut through the insulation.
4. Pull the stripper away from the wire to remove the insulation, leaving the conductor exposed.

Using the Electric Network Cable Data Tester

1. Ensure a 9-volt battery is installed (refer to Setup section).
2. Connect one end of the network cable to the RJ45 port on the main tester unit.
3. Connect the other end of the network cable to the RJ45 port on the remote unit.
4. Turn on the tester. The LED indicators will light up sequentially, showing the continuity of each wire pair.
5. Observe the LED sequence:
    - **Normal Connection:** LEDs light up in sequence (1-8, G) on both units.
    - **Open Circuit:** If a wire is broken, the corresponding LED will not light up.
    - **Short Circuit:** If two wires are shorted, two or more LEDs will light up simultaneously.
    - **Crossed Wires:** The sequence of LEDs will be different between the main and remote units.

Using the 66/110 Punch Down Installation Tool

1. Select the appropriate blade for your punch down block (66 or 110).
2. Place the wire into the slot on the punch down block.
3. Position the punch down tool over the wire and the slot.
4. Apply firm, even pressure downwards until the wire is seated and trimmed (if using a cut blade).

Using the Multifunction Screwdriver and Utility Knife

- The **Multifunction Screwdriver** features interchangeable bits for various screw types. Select the appropriate bit and insert it into the handle. Use for tightening or loosening screws in network components or other applications.
- The **Utility Knife** is suitable for cutting cable jackets, opening packaging, or other general cutting tasks. Always exercise caution when using sharp tools.

Maintenance

- **Cleaning:** After each use, wipe down tools with a clean, dry cloth to remove any dust, dirt, or debris. For stubborn grime, a slightly damp cloth can be used, followed by thorough drying.
- **Storage:** Always store the tools in the provided hard-shell carrying case. This protects them from damage, keeps them organized, and prevents loss. Store in a cool, dry place away from direct sunlight and extreme temperatures.

- **Blade Care:** The crimper and utility knife blades are sharp. Handle with care. If blades become dull over time, replacement may be necessary for optimal performance.
- **Cable Tester:** If the cable tester is not in use for extended periods, remove the 9-volt battery to prevent leakage and damage to the unit.

Troubleshooting

Cable Tester Not Powering On:
Ensure a fresh 9-volt battery is correctly installed in the battery compartment. Check for proper polarity.

Cable Tester Shows Incorrect Readings:
Verify that both ends of the cable are securely connected to the main and remote units. Ensure the cable itself is not damaged or has faulty connectors. Re-crimp connectors if necessary.

Crimper Not Seating Connectors Properly:
Ensure the wires are fully inserted into the RJ45/RJ11 connector and are flush with the end. Apply firm, complete pressure when crimping. Check if the crimper jaws are clean and free of debris.

Punch Down Tool Not Trimming Wires:
Ensure you are using a punch down blade with a cutting edge (some blades are non-cutting). Apply sufficient downward force. Check if the blade is dull or damaged.

Specifications

Attribute	Value
Brand	InstallerParts
Model Number	22811
Item Package Quantity	15 Piece Kit
Item Weight	3.55 Pounds
Color	Multi
Handle Material	Plastic
Grip Type	Ergonomic
Usage	Network installation and maintenance, Professional use, Portable use
Batteries Required	Yes (9-volt for Cable Tester, not included)
UPC	045079444386

Warranty and Support

For information regarding product warranty or technical support, please refer to the official InstallerParts website or contact their customer service directly. Specific warranty terms and support contact details are not provided in this manual.

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