

01 01aq8cogph51519

01 Wire Connector Kit: Crimp Terminal Set (520 Pcs)

INSTRUCTION MANUAL

1. Introduction

This manual provides instructions for the safe and effective use of the 01 Wire Connector Kit. This kit contains 520 cold-pressed crimp terminals, designed for various electrical wiring applications. The terminals are color-coded for different wire gauges, ensuring proper selection for your projects.

The kit includes a durable plastic storage box to keep the terminals organized and easily accessible.

2. Kit Contents

The 01 Wire Connector Kit includes a total of 520 crimp terminals, categorized by color and applicable wire diameter:

- **Red Terminals:** 265 pieces, suitable for 22-18 AWG (American Wire Gauge) wires.
- **Blue Terminals:** 215 pieces, suitable for 16-14 AWG wires.
- **Yellow Terminals:** 40 pieces, suitable for 12-10 AWG wires.



Figure 1: Overview of the 01 Wire Connector Kit with terminals sorted by color and type.

The terminals are made with copper contact material and plastic insulation for reliable electrical connections.

3. Setup

No assembly is required for the kit itself. The terminals are pre-sorted in a plastic storage box. Before use, ensure you have the following tools (not included):

- Wire Stripper
- Crimping Tool suitable for insulated terminals
- Wire Cutter (optional)

Always ensure your work area is clean, dry, and well-lit. Disconnect power to any circuits before working with electrical wires.

4. Operating Instructions

Follow these steps to properly install a crimp terminal:

- Select the Correct Terminal:** Choose a terminal that matches the wire gauge you are using. Refer to the color coding: Red (22-18 AWG), Blue (16-14 AWG), Yellow (12-10 AWG).
- Strip the Wire:** Using a wire stripper, carefully remove approximately 1/4 to 3/8 inch (6-10 mm) of insulation from the end of the wire. Ensure the copper strands are not cut or damaged.
- Insert the Wire:** Insert the stripped end of the wire fully into the metal barrel of the chosen crimp terminal. Ensure no stray wire strands are outside the terminal and that the insulation meets the terminal's plastic sleeve.
- Crimp the Terminal:** Place the terminal's metal barrel into the appropriate crimping jaw of your crimping tool. The crimping tool should be designed for insulated terminals. Squeeze the crimping tool handles firmly until the crimp is complete. A proper crimp will securely hold the wire without damaging the terminal or insulation.
- Test the Connection:** Gently pull on the wire to ensure it is securely fastened within the terminal. The connection should be firm and not pull out.



Figure 2: Examples of various crimp terminal types included in the kit.

5. Maintenance

To ensure the longevity and usability of your wire connectors:

- **Storage:** Always store the terminals in their original plastic box in a cool, dry place, away from direct sunlight and moisture. This prevents corrosion and keeps them organized.
- **Handling:** Avoid bending or deforming the terminals before use, as this can compromise their electrical integrity.

6. Troubleshooting

Problem	Possible Cause	Solution
Wire pulls out of terminal after crimping.	Incorrect crimping tool used, insufficient crimp pressure, or wrong terminal size for wire.	Ensure crimping tool is suitable for insulated terminals. Apply firm, even pressure. Verify terminal color matches wire gauge. Re-crimp with a new terminal.
Terminal insulation is damaged during crimping.	Crimping tool jaws are misaligned or too tight, or incorrect crimping technique.	Adjust crimping tool if possible. Ensure the terminal is seated correctly in the crimping jaw. Use a new terminal and apply less pressure initially, increasing as needed.
Difficulty inserting wire into terminal.	Wire strands are splayed, or wire gauge is too large for the terminal.	Twist wire strands tightly before insertion. Verify terminal color matches wire gauge. Use a larger terminal if necessary.

7. Specifications

- **Product Name:** Wire Connector Kit, Crimp Terminal Set
- **Model Number:** 01aq8cogph51519
- **Total Pieces:** 520
- **Terminal Types:** Cold-Pressed Crimp Terminals (various pin, ring, spade, butt connectors)
- **Material:** Copper (Contact), Plastic (Insulation)
- **Color & Wire Gauge Compatibility:**
 - Red: 265 Pcs, 22-18 AWG
 - Blue: 215 Pcs, 16-14 AWG
 - Yellow: 40 Pcs, 12-10 AWG
- **Product Dimensions:** Approximately 0.39 x 0.39 x 0.39 inches (packaging)
- **Item Weight:** Approximately 11.6 ounces



Figure 3: Close-up of the organized terminals within the storage box.

8. Warranty and Support

Specific warranty information for this product is not provided in the available data. For support or warranty inquiries, please refer to the retailer or manufacturer's official website, or contact their customer service directly.