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Preciva CP10016

Preciva CP10016 Ferrule Crimping Tool Kit User Manual

Model: CP10016

1. Introduction

Thank you for choosing the Preciva CP10016 Ferrule Crimping Tool Kit. This kit provides a comprehensive solution for electrical wiring tasks, featuring a hexagonal ferrule crimper, a wire stripper, and a wide assortment of ferrule connectors. This manual provides detailed instructions for safe and effective use, maintenance, and troubleshooting of your new tool kit.



The Preciva Ferrule Crimping Tool Kit, including the crimper, wire stripper, and ferrule connectors, neatly organized in its portable case.

2. Safety Instructions

Always read and understand all safety warnings and instructions before using this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment (PPE), such as safety glasses, to protect against flying debris.
- Ensure the work area is clean, well-lit, and free from clutter.
- Do not use the tools near flammable liquids, gases, or dust.
- Keep children and bystanders away while operating the tools.
- Do not force the tools. Use the correct tool for the application.
- Inspect tools for damage before each use. Do not use damaged tools.
- Disconnect power from circuits before working on electrical wires.

- Store tools properly when not in use, out of reach of children.

3. Package Contents

The Preciva CP10016 Ferrule Crimping Tool Kit includes the following items:

- 1 x Hexagonal Ferrule Crimper (AWG 28-5 / 0.08-16mm²)
- 1 x Wire Stripper (0.2-6mm² for multi-strand/single-core, 2-8pin for ribbon, 0.75mm² for coaxial)
- 1660 x Insulated Ferrule Connectors (various sizes from E0508 to E16-12)
- 1 x Sturdy, Portable Carry Case



Detailed view of the 1660-piece ferrule assortment, categorized by size and color for easy identification.

4. Product Overview

4.1 Hexagonal Ferrule Crimper

The ferrule crimper features an upgraded jaw design with built-in stoppers to prevent over-closure, ensuring consistent and reliable hexagonal crimps. It includes an efficient ratchet mechanism, adjustable crimping force, and a quick-release function for ease of use. The ergonomic non-slip handle provides comfort during prolonged operation.

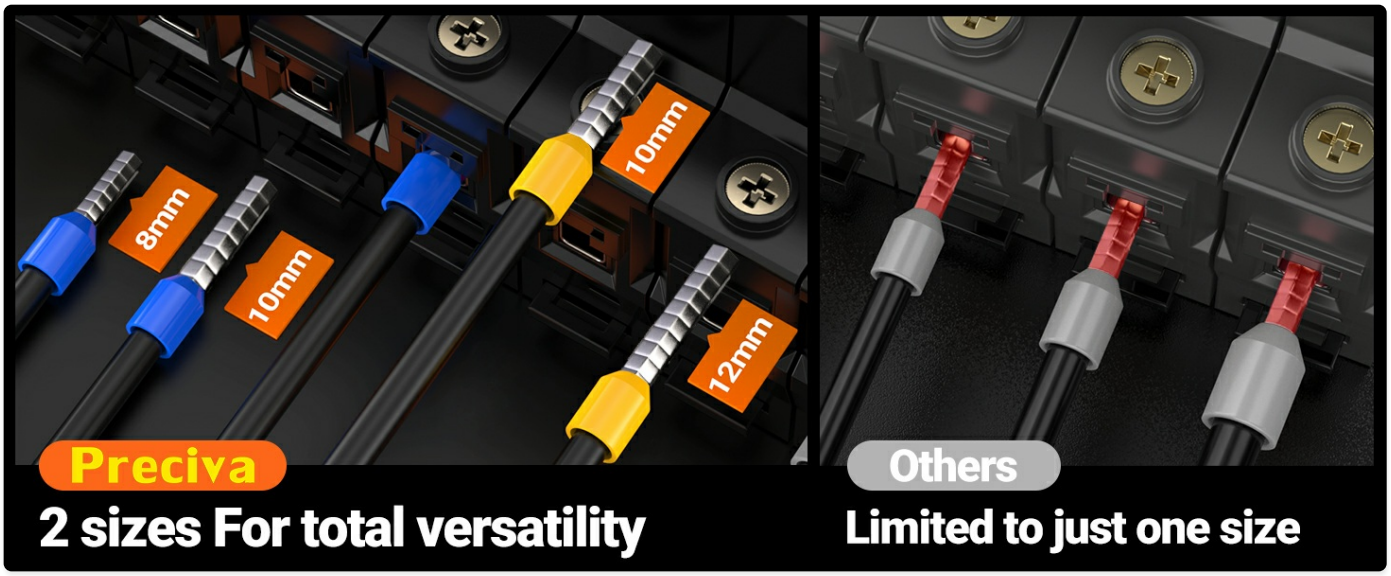


Illustration of the crimper's internal mechanism, highlighting its effort-saving design and hexagonal crimping action.

4.2 Wire Stripper

The included wire stripper is designed for precise and effortless insulation removal. It features sharp, adjustable blades suitable for multi-strand wires, single-core wires (0.2-6mm²), 2-8pin ribbon cables, and coaxial cable jackets (0.75mm²). This tool enhances efficiency by ensuring clean and accurate stripping without damaging the wire conductors.



Visual guide demonstrating the wire stripping process, from initial wire to stripped conductor.

4.3 Ferrule Connectors

The kit contains 1660 insulated ferrule connectors in 16 different sizes, ranging from AWG 28 (0.08mm²) to AWG 5 (16mm²). These ferrules are color-coded for easy identification and selection, providing versatility for a wide range of electrical applications.

5. Setup

Before first use, unpack all components from the portable carry case. Inspect each tool and the ferrule connectors for any signs of damage. Familiarize yourself with the layout of the ferrule assortment in the case. Ensure the work area is clean and well-lit.

6. Operating Instructions

6.1 Using the Wire Stripper

1. **Adjust Stripping Length:** Use the adjustable stopper on the wire stripper to set the desired stripping length. This ensures consistent strip lengths for ferrule application.
2. **Insert Wire:** Place the wire into the appropriate stripping slot.
3. **Strip Insulation:** Squeeze the handles firmly to cut and remove the insulation. The stripper will automatically adjust to the wire gauge.
4. **Wire Cutting:** The stripper also includes a wire cutting function. Insert the wire into the cutting blades and squeeze the handles.
5. **Wire Twisting:** For stranded wires, the stripper can assist in twisting the exposed strands together for easier ferrule insertion.

6.2 Using the Ferrule Crimper

1. **Prepare Wire:** Strip the wire insulation to the appropriate length for the chosen ferrule. The exposed conductor should fill the metal tube of the ferrule without insulation entering the crimp area.
2. **Select Ferrule:** Choose the correct size ferrule connector that matches the wire gauge (AWG/mm²). Refer to the ferrule assortment chart in the case for guidance. The kit provides two lengths per gauge for maximum versatility.
3. **Insert Wire into Ferrule:** Fully insert the stripped wire conductor into the metal tube of the ferrule. Ensure all strands are contained within the ferrule.
4. **Position Ferrule in Crimper:** Open the crimper handles and insert the ferrule (with wire) into the hexagonal crimping jaws. Ensure the ferrule is seated correctly and centered.
5. **Crimp:** Squeeze the crimper handles firmly until the ratchet mechanism releases. This ensures a complete and secure hexagonal crimp. The crimper applies uniform force on six sides for a perfect hexagon shape.
6. **Inspect Crimp:** After crimping, gently pull on the wire to ensure the ferrule is securely attached and the crimp is uniform. The copper wire should fill at least 70% of the terminal for optimal connection.



Visual representation of the three-step crimping process for quick and efficient terminal connections.



Illustration demonstrating the availability of two different lengths per wire gauge for enhanced application versatility.

Your browser does not support the video tag.

Official product video demonstrating the use of the Preciva Ferrule Crimping Tool Kit, including wire stripping and crimping processes.

7. Maintenance

- **Cleaning:** After each use, wipe down the crimper and wire stripper with a clean, dry cloth to remove any dust, debris, or wire fragments.
- **Lubrication:** Periodically apply a light machine oil to the moving parts and pivot points of the tools to ensure smooth operation and prevent rust.
- **Storage:** Store the entire kit in its original portable carry case in a dry, cool place, away from direct sunlight and moisture. Ensure all components are securely placed in their designated compartments to prevent loss or damage.
- **Inspection:** Regularly inspect the crimping jaws and stripper blades for wear or damage. Replace tools if significant wear or damage is observed to maintain performance and safety.

8. Troubleshooting

- **Poor Crimp Quality:**
  - Ensure the correct ferrule size is used for the wire gauge.
  - Verify the wire is fully inserted into the ferrule before crimping.
  - Ensure the crimper handles are fully squeezed until the ratchet releases.
- **Wire Slipping from Ferrule:**
  - Check if the wire was stripped to the correct length. Too short a strip may result in insufficient contact.
  - Ensure the crimper was fully engaged and the ratchet mechanism completed its cycle.
- **Wire Stripper Not Cutting/Stripping Cleanly:**
  - Check if the blades are clean and free from debris.
  - Ensure the wire is placed in the correct stripping slot for its gauge.
  - The blades may be worn and require replacement (if applicable) or the tool may need replacement.
- **Crimper Jaws Jamming:**
  - This model features built-in stoppers to prevent jamming. If jamming occurs, ensure no foreign objects are obstructing the jaws.
  - Do not attempt to force the jaws open or closed. Use the quick-release function if available.

9. Specifications

Feature	Specification
Brand	Preciva
Model Number	CP10016
Crimping Range	AWG 28-5 (0.08-16mm²)
Crimping Type	Hexagonal
Wire Stripper Capacity	0.2-6mm² (multi-strand/single-core), 2-8pin (ribbon), 0.75mm² (coaxial)
Ferrule Connectors Included	1660 Pcs
Handle Material	Acrylonitrile Butadiene Styrene (ABS), High Carbon Steel
Grip Type	Ergonomic

Feature	Specification
Item Weight	2.94 pounds
Product Dimensions	9.84 x 7.48 x 0.04 inches
Included Components	Ferrule Crimping Tool, Wire Stripper, 1660Pcs Ferrules Connectors

10. Warranty and Support

Preciva products are manufactured to high-quality standards. For warranty information, technical support, or customer service inquiries, please refer to the contact information provided with your purchase or visit the official Preciva website. Please retain your proof of purchase for warranty claims.

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Question

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

Details

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