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Preciva RC68058

Preciva RC68058 Crimping Tool User Manual

Model: RC68058

INTRODUCTION

Thank you for choosing the Preciva RC68058 Crimping Tool Kit. This manual provides essential information for the safe and effective use of your new crimping tool and insulated terminals. Please read these instructions carefully before operation and retain them for future reference.

The kit includes a professional crimping tool designed for insulated terminals (AWG20-10 / 0.5-6mm²) and a comprehensive assortment of 680 insulated connectors, all housed in a durable, double-layer portable storage box.

PRODUCT OVERVIEW

Widely Used



Image: The Preciva RC68058 Crimping Tool Kit, including the crimper and 680 insulated connectors, neatly organized in its portable orange storage case.

The Preciva RC68058 kit is engineered for reliable electrical connections. It features a self-adjusting ratchet mechanism for consistent crimps and an ergonomic handle for reduced effort.

Key Components:

- **Crimping Pliers:** Designed for insulated terminals, with a crimping range of AWG20-10 (0.5-6mm²).
- **Insulated Terminals:** A selection of 680 pieces in various types and sizes, color-coded for easy identification.
- **Portable Storage Box:** A double-layer case for organized storage and transport of the tool and connectors.

SETUP

The Preciva RC68058 Crimping Tool is ready for use directly out of its storage case. No assembly is required for the crimper itself.



Image: Close-up of the crimping tool highlighting its key features: precision jaws (01), adjustable pressure (02), quick release button (03), and ratchet mechanism (04).

1. **Precision Jaws (01):** These are color-coded (red, blue, yellow) to correspond with specific wire gauges and terminal sizes.
2. **Adjustable Pressure (02):** Use the star disk to fine-tune the crimping pressure for optimal results on different wire thicknesses. Turn clockwise to increase pressure, counter-clockwise to decrease.
3. **Quick Release Button (03):** In case of a stuck terminal or an incomplete crimp, press this button to release the jaws.
4. **Ratchet Mechanism (04):** This mechanism ensures a complete crimp cycle before releasing, providing consistent and secure connections.

OPERATING INSTRUCTIONS

Follow these steps for proper and safe crimping:

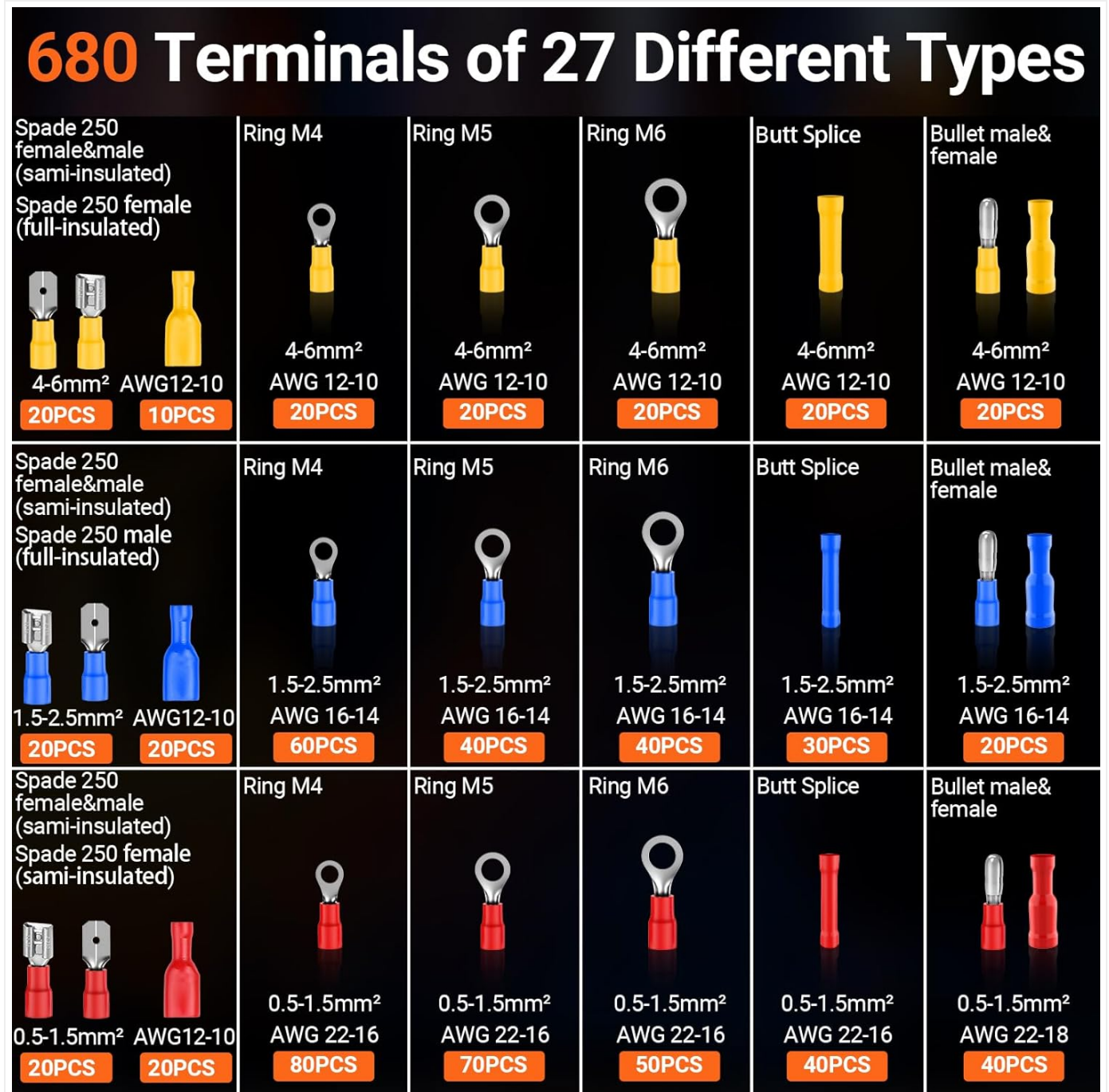


Image: Visual guide demonstrating the three steps of the crimping process: preparing the wire and terminal, adjusting and crimping, and the final crimped connection.

1. Step 1: Prepare to Crimp

- Select the appropriate insulated terminal from the kit based on your wire gauge and application. Refer to the color-coding:
 - **Red:** AWG 22-16 (0.5-1.5mm²)
 - **Blue:** AWG 16-14 (1.5-2.5mm²)
 - **Yellow:** AWG 12-10 (4-6mm²)
- Strip the insulation from the end of your wire to the correct length, ensuring the conductor will fully enter the terminal's barrel without excess insulation being crimped.
- Insert the stripped wire into the terminal.

2. Step 2: Adjust and Crimp

- Open the crimping tool jaws. Place the terminal (with the wire inserted) into the correct color-coded crimping slot on the tool's jaws. Ensure the terminal is seated properly.
- Squeeze the handles of the crimping tool firmly. The ratchet mechanism will engage, preventing the jaws from opening until a complete crimp cycle is achieved. Continue squeezing until the handles release.

3. Step 3: Crimp Complete

- Once the handles release, remove the crimped terminal.
- Inspect the crimp for security and integrity. The wire should be firmly held, and the insulation should be properly compressed without being cut.

Terminal Types Included:



Image: A visual representation of the 680 insulated terminals, detailing various types such as Spade, Ring (M4, M5, M6), Butt Splice, and Bullet connectors, along with their respective quantities and wire gauge compatibility (AWG 22-16, 16-14, 12-10).

The kit provides a wide array of insulated terminals to suit various electrical applications. Each type is color-coded for easy matching with the crimping tool's jaws and specific wire gauges.

MAINTENANCE

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

- **Cleaning:** After each use, wipe the crimping tool with a clean, dry cloth to remove any dust, debris, or residue.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and moving parts of the crimper to ensure smooth operation. Do not over-lubricate.
- **Storage:** Store the crimping tool and terminals in the provided portable storage box in a dry environment to prevent rust and damage. Keep out of reach of children.
- **Inspection:** Regularly inspect the jaws for wear or damage. Ensure the ratchet mechanism functions correctly. If any part is damaged, discontinue use and contact customer support.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Incomplete Crimp / Loose Connection	<ul style="list-style-type: none">• Incorrect terminal size for wire gauge.• Insufficient crimping pressure.• Wire not fully inserted into terminal.	<ul style="list-style-type: none">• Ensure terminal color matches wire gauge (Red: AWG 22-16, Blue: AWG 16-14, Yellow: AWG 12-10).• Adjust the star disk clockwise to increase crimping pressure.• Verify the wire is fully seated in the terminal barrel before crimping.
Wire Insulation Cut During Crimp	<ul style="list-style-type: none">• Excessive crimping pressure.• Incorrect terminal size.• Wire stripped too long.	<ul style="list-style-type: none">• Adjust the star disk counter-clockwise to decrease crimping pressure.• Use the correct terminal size for your wire.• Ensure only the conductor is exposed, not the insulation, when inserting into the terminal.
Jaws Stuck / Cannot Open	<ul style="list-style-type: none">• Ratchet mechanism engaged.• Terminal jammed.	<ul style="list-style-type: none">• Squeeze handles completely until the ratchet releases, or use the quick release button.• Press the quick release button to disengage the ratchet and free the jaws.

SPECIFICATIONS

Feature	Detail
Model Number	RC68058
Brand	Preciva
Crimping Range	AWG 20-10 (0.5-6mm ²)
Terminal Quantity	680 Pcs
Handle Material	Rubber (Ergonomic, Soft/Rubberized)
Item Weight	3.17 pounds (approx. 1.44 kg)

Feature	Detail
Package Dimensions	10.63 x 8.27 x 2.4 inches (approx. 27 x 21 x 6.1 cm)
Power Source	Hand Powered
Included Components	Crimper, 680 Pcs Insulated Connectors
Usage	Electrical work, wiring installation and repair

CUSTOMER SUPPORT

For any questions regarding the use, maintenance, or troubleshooting of your Preciva RC68058 Crimping Tool Kit, please contact our customer support team. We are committed to providing prompt solutions and ensuring your satisfaction. *Contact information is typically found on the product packaging or the official Preciva website.*

