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Preciva TA19580

Preciva Double Wire Ferrule Kit (Model TA19580) Instruction Manual

1. Introduction

This manual provides instructions for the proper use and care of your Preciva 800-piece Double Wire Ferrule Kit. This kit is designed to facilitate secure and efficient electrical connections by terminating stranded wires with insulated ferrules. The ferrules prevent wire fraying, ensure reliable contact, and enhance safety in various electrical, industrial, and DIY applications. The ferrules are constructed from high-quality brass for excellent electrical conductivity and feature insulated sleeves for protection.

2. Product Contents

The Preciva Double Wire Ferrule Kit includes 800 pieces of dual barrel ferrules, organized by size and color in a durable storage box. The kit contains the following types and quantities:

- **TE0508 White:** 170 pieces (2x0.5mm², 2x22AWG)
- **TE7508 Gray:** 150 pieces (2x0.75mm², 2x20AWG)
- **TE1008 Red:** 100 pieces (2x1mm², 2x18AWG)
- **TE1508 Black:** 100 pieces (2x1.5mm², 2x16AWG)
- **TE2508 Blue:** 100 pieces (2x2.5mm², 2x14AWG)
- **TE4012 Gray:** 100 pieces (2x4mm², 2x12AWG)
- **TE6012 Yellow:** 40 pieces (2x6mm², 2x10AWG)
- **TE10-14 Red:** 40 pieces (2x10mm², 2x7AWG)

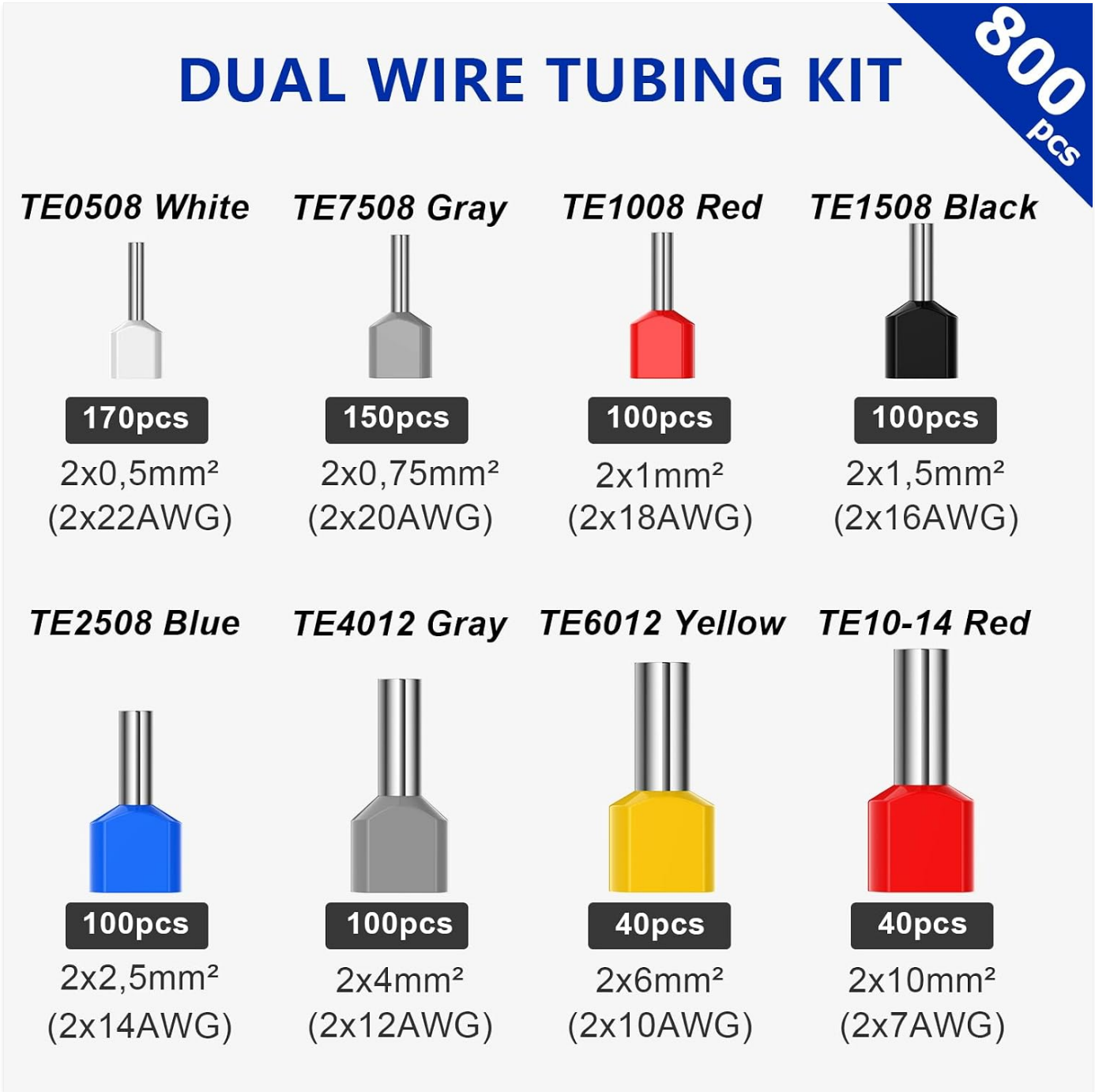


Figure 1: Overview of the 8 types of double wire ferrules included in the kit, showing quantities, colors, and corresponding AWG sizes.

3. Specifications

Feature	Detail
Manufacturer	Preciva
Part Number	TA19580
Item Weight	9.9 ounces
Product Dimensions	7.68 x 5.12 x 1.42 inches
Measurement System	Wire Size (AWG)
Certification	UL

Feature	Detail
Included Components	Wire Ferrules Terminals Kit

4. Setup

Before using the ferrules, ensure you have the necessary tools and observe safety precautions:

- **Safety First:** Always disconnect power to circuits before working with electrical wires. Wear appropriate personal protective equipment (PPE), such as safety glasses.
- **Required Tools:** A wire stripper suitable for the wire gauge you are using and a crimping tool specifically designed for ferrules are essential for proper installation.
- **Wire Preparation:** Ensure the wires are clean and free from damage. Select the appropriate ferrule size that matches the AWG of your wires.

5. Operating Instructions

Follow these steps to properly install a double wire ferrule:

1. **Strip the Wires:** Using a wire stripper, carefully strip the insulation from the ends of the two wires you intend to connect. The stripped length should be slightly less than the metal barrel length of the chosen ferrule.
2. **Insert Wires into Ferrule:** Twist the exposed strands of each wire slightly to keep them together. Insert both stripped wire ends into the metal barrel of the selected double wire ferrule. Ensure all strands are contained within the ferrule and no insulation is inside the metal barrel.
3. **Crimp the Ferrule:** Place the ferrule (with wires inserted) into the appropriate crimping die of your ferrule crimping tool. Apply firm, even pressure to the crimping tool handles until the crimp cycle is complete. This will securely fasten the ferrule to the wires.
4. **Verify Connection:** After crimping, gently tug on the wires to ensure they are securely held by the ferrule. The connection should be tight and stable.

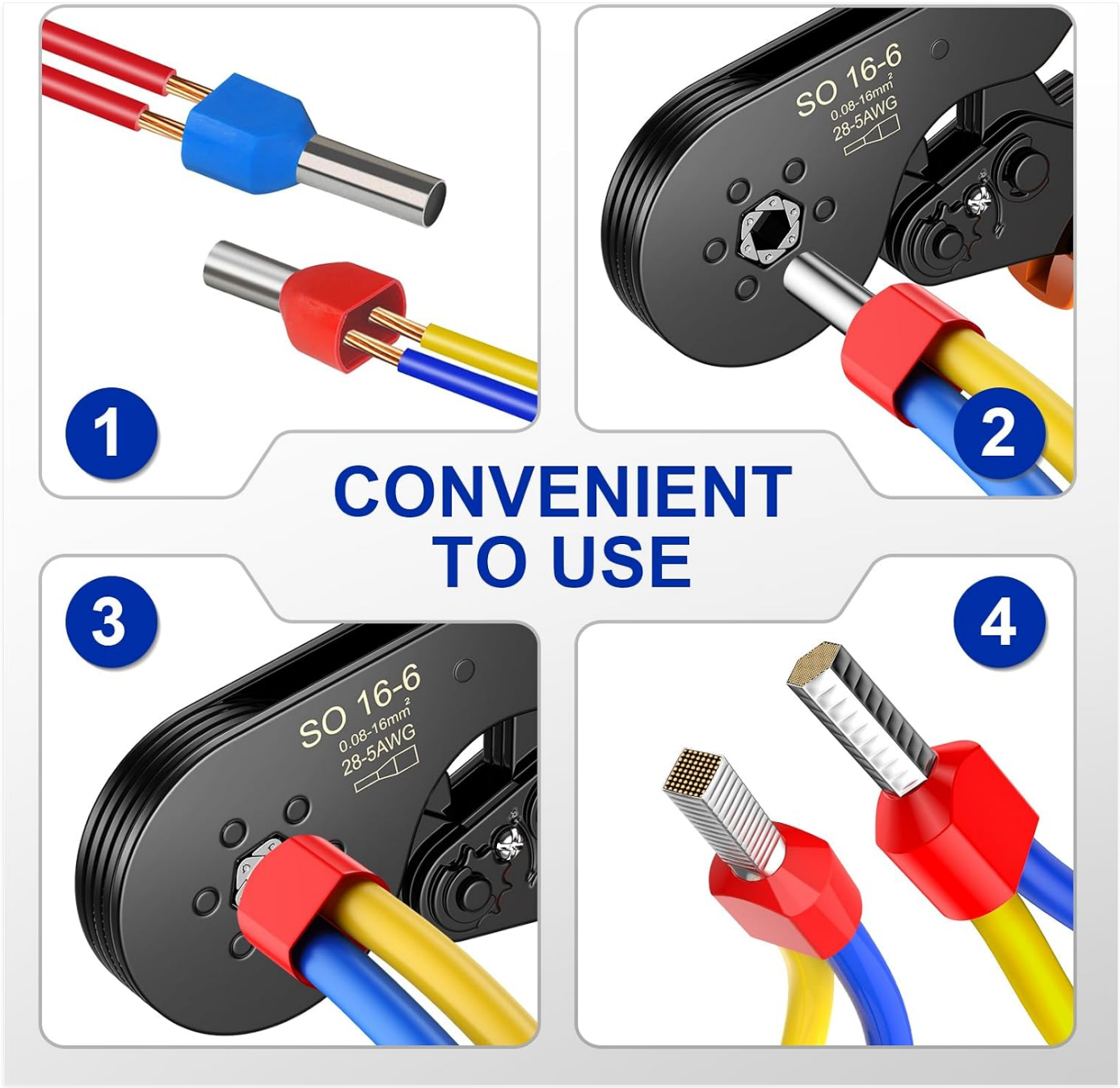


Figure 2: Step-by-step guide for using double wire ferrules with a crimping tool.



Figure 3: Example of two wires connected using double wire ferrules for a neat and secure termination.



Figure 4: Illustration of the ferrule's construction, featuring a high-quality brass core and a flame-retardant insulated shell.

6. Maintenance

Proper maintenance ensures the longevity and usability of your ferrule kit:

- **Storage:** Always store the ferrules in their original PP box packaging. This keeps them organized, prevents loss, and protects them from dust and moisture.
- **Cleanliness:** Keep the ferrules clean and dry. Avoid exposure to corrosive chemicals or extreme temperatures.



Figure 5: The PP box packaging provides convenient storage and organization for the ferrules.

7. Troubleshooting

If you encounter issues during installation, consider the following:

- **Loose Connection:** Ensure the wires were stripped to the correct length and fully inserted into the ferrule. Verify that the crimping tool was set to the correct size and fully actuated.
- **Wires Not Fitting:** Double-check that you are using the correct ferrule size for your wire's AWG. If using two wires, ensure the double barrel ferrule is appropriately sized for the combined cross-sectional area.
- **Damaged Ferrule:** If a ferrule appears damaged or deformed before crimping, discard it and use a new one.

8. Applications

These electrical wire ferrules are suitable for a wide range of applications, including:

- Electrical panel wiring

- Industrial control systems
- Automotive electrical work
- Household appliance repairs
- DIY electronics projects



Figure 6: Examples of wide-ranging applications for double wire ferrules in electrical installations.

9. Warranty and Support

Preciva products are manufactured to high-quality standards. For information regarding warranty coverage or technical support, please refer to the manufacturer's official website or contact their customer service directly. Keep your purchase receipt for warranty claims.

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