

CableWholesale 91D5-56800

CableWholesale RJ11/RJ12/RJ45 Crimp Tool User Manual

Model: 91D5-56800

1. INTRODUCTION AND OVERVIEW

The CableWholesale RJ11/RJ12/RJ45 Crimp Tool is a versatile, all-in-one device designed for terminating network and telephone cables. It integrates essential functions of crimping, cutting, and stripping into a single, hand-operated tool, making it suitable for various cable installation and repair tasks.

This manual provides detailed instructions for the safe and effective use of your crimp tool, covering setup, operation, maintenance, and troubleshooting.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating this tool. Failure to follow these instructions may result in injury or damage to the tool.

- Always wear appropriate personal protective equipment, such as safety glasses, when using this tool to protect against flying debris.
- Keep hands and fingers clear of cutting and crimping blades during operation to prevent cuts or pinches.
- Ensure the tool is clean and in good working condition before each use. Do not use if damaged.
- Store the tool in a safe, dry place, out of reach of children and unauthorized users.
- Do not use the tool for purposes other than its intended use (crimping, cutting, and stripping RJ11, RJ12, and RJ45 cables).
- Avoid applying excessive force beyond what is necessary for the task, as this can damage the tool or the connector.

3. PRODUCT FEATURES

This CableWholesale crimp tool offers the following key features:

- **All-in-One Design:** Combines crimping, cutting, and stripping functions for efficient cable preparation.
- **Durable Construction:** Features a high-quality hardened steel body for longevity.
- **Comfortable Grip:** Equipped with a comfortable plastic grip for ease of use during extended tasks.
- **Rust Resistance:** Black oxide steel finish provides enhanced resistance to rust.
- **Wide Compatibility:** Designed for use with RJ11 (4P/6P), RJ12 (6P), and RJ45 (8P) modular connectors.
- **Cable Types:** Capable of crimping Ethernet, twisted pair, internet, and telephone cables.
- **Stripping Capability:** Effectively cuts and strips unshielded twisted pair (UTP) cables such as CAT5, CAT5e, and CAT6A.
- **RoHS Compliant:** Manufactured in accordance with RoHS environmental standards.



Image: The crimp tool highlighting its integrated stripping, crimping, and cutting capabilities.



Image: Close-up view of the crimp tool, illustrating its hardened steel body and comfortable plastic grip handles.

4. SETUP

The CableWholesale RJ11/RJ12/RJ45 Crimp Tool requires minimal setup before use.

1. **Unpack:** Carefully remove the crimp tool from its packaging.
2. **Inspect:** Visually inspect the tool for any signs of damage, such as bent blades or loose components. Do not use the tool if any damage is observed.
3. **Familiarize:** Identify the different sections of the tool: the cutting blade, the stripping slot, and the crimping dies (typically marked 6P for RJ11/RJ12 and 8P for RJ45).

5. OPERATING INSTRUCTIONS

Follow these steps to properly prepare and terminate network or telephone cables using your crimp tool.

5.1. Stripping the Cable Jacket

1. Open the tool handles. Locate the stripping blade section.
2. Insert the end of the cable into the appropriate stripping slot. Ensure the cable is seated firmly against the depth guide (if present) to achieve the correct strip length.
3. Gently squeeze the handles to engage the blade with the cable jacket. Rotate the tool around the cable 1-2 times, or squeeze and pull the cable straight out, to cut and remove the outer jacket.
4. Carefully remove the stripped jacket, ensuring the inner insulated wires are not cut or nicked.

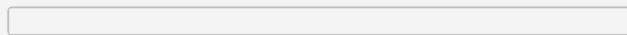


Image: Detail of the crimp tool's integrated stripping and cutting blades.

5.2. Arranging and Trimming Wires

1. Untwist and straighten the individual insulated wires exposed after stripping.
2. Arrange the wires according to the desired wiring standard (e.g., T568A or T568B for RJ45 Ethernet cables, or the specific pinout for RJ11/RJ12).
3. Use the cutting blade on the tool to trim the arranged wires to a uniform length, typically about 1/2 inch (12-13 mm) from the end of the cable jacket, ensuring they are straight and even.

5.3. Inserting and Crimping the Connector

1. Carefully insert the trimmed and arranged wires into the modular connector (RJ11, RJ12, or RJ45). Ensure each wire slides into its correct channel and reaches the front of the connector, making contact with the metal pins. The cable jacket should extend slightly into the connector body for strain relief.
2. Place the connector, with the wires fully inserted, into the appropriate crimping die on the tool. Use the 6P die for RJ11/RJ12 connectors and the 8P die for RJ45 connectors. Ensure the connector is seated flush and correctly oriented.
3. Squeeze the handles of the crimp tool firmly and completely until they meet. This action pushes the metal pins down, piercing the wire insulation and making electrical contact, and also secures the cable jacket with the connector's strain relief tab.
4. Release the handles and carefully remove the crimped connector.
5. Visually inspect the crimped connector to ensure all pins are fully seated and the cable is securely held.

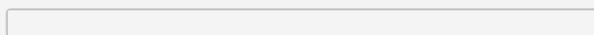


Image: Detailed view of the crimp tool's 8P (RJ45) and 6P (RJ11/RJ12) crimping dies.

6. MAINTENANCE

Proper maintenance will extend the life and performance of your CableWholesale crimp tool.

- **Cleaning:** After each use, wipe the tool clean with a dry cloth to remove any wire fragments, dust, or debris.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and moving parts to ensure smooth operation and prevent rust.
- **Blade Inspection:** Regularly check the cutting and stripping blades for sharpness and damage. While blades are generally not user-replaceable, a dull blade can lead to poor performance.
- **Storage:** Store the tool in a dry environment to prevent corrosion. Keep the handles closed to protect the blades and dies.

7. TROUBLESHOOTING

If you encounter issues while using your crimp tool, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Wires are not cutting cleanly.	Dull or damaged cutting blade; incorrect cable positioning.	Ensure the cable is positioned correctly in the cutting slot. If the blade is dull, consider replacing the tool.
Connector pins are not fully seated after crimping.	Insufficient pressure applied; incorrect crimping die used; wires not fully inserted.	Apply firm, complete pressure to the handles until they meet. Verify the correct crimping die (6P/8P) is used for the connector type. Ensure wires are fully inserted into the connector.
Cable jacket is not stripping cleanly or inner wires are cut.	Incorrect stripping technique; wrong stripping slot used; dull blade.	Adjust the pressure or rotation when stripping. Ensure the correct stripping slot is used for the cable gauge. Ensure the blade is clean.
Tool feels stiff or difficult to operate.	Lack of lubrication; debris in moving parts.	Clean the tool and apply a light machine oil to pivot points.

8. SPECIFICATIONS

- **Brand:** CableWholesale
- **Model Number:** 91D5-56800
- **Handle Material:** Metal with Plastic Grip
- **Grip Type:** Textured
- **Compatible Connectors:** RJ11 (4P/6P), RJ12 (6P), RJ45 (8P)
- **Functions:** Crimping, Cutting, Stripping
- **Compliance:** RoHS
- **Color:** Black (tool body), Red (handles)

9. WARRANTY AND SUPPORT

For specific warranty information, technical assistance, or to inquire about replacement parts, please contact CableWholesale directly through their official website or customer service channels. You can visit the [CableWholesale Store on Amazon](#) for more details.

