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Model: 100544

INTRODUCTION

The Platinum Tools 100544 EZ-VIKING Crimp Tool is engineered for precision termination of EZ-RJ45 Cat 5e/6 regular and shielded (external or internal) modular plugs. This professional-grade tool is designed to meet the rigorous demands of data centers, aerospace, and broadcast applications, ensuring high-quality and consistent connections. Its robust construction features a zero-flex frame, which prevents torque loss during the crimping cycle, contributing to its exceptional durability and reliability over a minimum of 50,000 cycles.



Figure 1: The Platinum Tools EZ-VIKING Crimp Tool, showing its ergonomic handles and the crimping mechanism with visible screws and springs.

SAFETY INFORMATION

Always exercise caution when using hand tools. Read and understand all instructions before operation. Keep hands and fingers clear of moving parts during the crimping process. Wear appropriate personal protective equipment, such as safety glasses, to prevent eye injury from flying debris. Store the tool in a dry, secure location away from children and unauthorized users.

- Do not use the tool for purposes other than its intended design.
- Inspect the tool for any damage before each use. Do not use if damaged.
- Ensure the work area is well-lit and free of obstructions.
- Keep the tool clean and free of grease or oil to maintain a secure grip.

SETUP

The EZ-VIKING Crimp Tool is designed for immediate use out of the box. No assembly is required. Before first use, familiarize yourself with the tool's components and operation.

Components Overview:

- **Handles:** Ergonomically designed for comfortable grip and leverage during crimping.
- **Crimping Die:** The precision-machined part that forms the modular plug.
- **Blade Assembly:** For trimming excess wire (if applicable, though this tool is primarily for crimping).
- **Zero Flex Frame:** Ensures consistent pressure and prevents deformation during crimping.

OPERATING INSTRUCTIONS

Follow these steps for proper crimping of EZ-RJ45 Cat 5e/6 modular plugs:

1. **Prepare the Cable:** Strip the outer jacket of the network cable to the appropriate length, typically about 1/2 to 3/4 inch (12-19 mm), exposing the twisted pairs. Be careful not to nick the inner wire insulation.
2. **Arrange Wires:** Untwist the wire pairs and arrange them according to the desired wiring standard (e.g., T568A or T568B). Ensure the wires are straight and parallel.
3. **Insert Wires into Plug:** Carefully insert the arranged wires into the EZ-RJ45 modular plug. The design of EZ-RJ45 plugs allows the wires to pass completely through the front of the connector. Ensure each wire is fully seated and extends slightly beyond the front of the plug.
4. **Insert Plug into Tool:** Place the prepared modular plug, with wires extending through, into the crimping cavity of the EZ-VIKING Crimp Tool. Ensure the plug is seated correctly and securely within the tool's die.
5. **Crimp the Connector:** Firmly squeeze the handles of the crimp tool together until they fully close. The tool will simultaneously crimp the pins into the wires and trim the excess wires extending from the front of the plug.
6. **Release and Inspect:** Release the handles and remove the crimped connector. Inspect the termination to ensure all pins are properly seated, the wires are trimmed flush, and the cable jacket is securely crimped under the strain relief tab.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your EZ-VIKING Crimp Tool.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any dust, debris, or wire fragments. Pay particular attention to the crimping die and blade area.
- **Lubrication:** Periodically apply a light coat of machine oil to the pivot points and moving parts to ensure smooth operation. Do not over-lubricate.
- **Storage:** Store the tool in a clean, dry environment, preferably in its original packaging or a tool case, to protect it from moisture and impact.

- **Blade Inspection:** Although the tool is primarily for crimping and trimming is integrated, regularly check the cutting blade (if accessible and applicable) for sharpness and damage. Replace if dull or chipped.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inconsistent crimps / Loose connections	Wires not fully seated in plug; Insufficient pressure applied; Worn crimping die.	Ensure wires are pushed completely through the EZ-RJ45 plug. Apply firm, consistent pressure until handles fully close. If problem persists, the die may be worn and require professional servicing or tool replacement.
Wires not trimming flush	Dull or damaged cutting blade; Wires not properly aligned.	Inspect the cutting blade for damage. Ensure wires are straight and fully extended through the plug before crimping.
Tool feels stiff or difficult to operate	Lack of lubrication; Accumulation of debris.	Clean the tool thoroughly, especially pivot points. Apply a light amount of machine oil to moving parts.

SPECIFICATIONS

- **Model:** 100544
- **Brand:** Platinum Tools
- **Compatibility:** EZ-RJ45 Cat 5e/6 regular & shielded modular plugs
- **Durability:** Minimum of 50,000 cycles
- **Frame Type:** Zero Flex Frame
- **Dimensions:** 8 x 6 x 1 inches (20.3 x 15.2 x 2.5 cm)
- **Weight:** 1.52 pounds (0.69 kg)
- **Handles:** 2

WARRANTY AND SUPPORT

For warranty information and technical support regarding your Platinum Tools EZ-VIKING Crimp Tool, please refer to the official Platinum Tools website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

Note: This item is not sold directly by Platinum Tools. For specific purchase-related inquiries, please contact your retailer.

