KNIPEX 16 65 125 SB

KNIPEX Data Cable Stripping Tool - Instruction Manual

Model: 16 65 125 SB

Introduction

This manual provides detailed instructions for the safe and effective use of the KNIPEX 16 65 125 SB Data Cable Stripping Tool. Designed for precision and efficiency, this tool is ideal for stripping various data and communication cables. Please read this manual thoroughly before operation to ensure proper handling and to maximize the tool's lifespan.

Figure 1: Top view of the KNIPEX 16 65 125 SB Data Cable Stripping Tool, showing the brand name and model number.

Product Overview

The KNIPEX 16 65 125 SB is a specialized tool engineered for stripping the outer sheath of data cables without damaging the inner conductors. Its compact design and ergonomic features make it suitable for professional use in various applications.

Key Features:

- Precision-ground stripping blades for clean cuts.
- Integrated length stop for consistent stripping lengths.
- Ergonomic design for comfortable handling.

- Durable construction for long-term reliability.

Figure 2: Front view of the stripping tool, highlighting its compact form factor.

Setup

The KNIPEX 16 65 125 SB tool requires minimal setup. It is ready for use directly out of the packaging. Before first use, familiarize yourself with the tool's components and functions.

Components:

- **Tool Body:** The main housing of the stripping tool.
- **Stripping Blades:** Internal blades designed to cut the cable sheath.
- **Length Stop:** An adjustable or fixed mechanism to control the stripping length.
- **Cable Guides:** Grooves or openings to properly position the cable.

Figure 3: Side view of the stripping tool, showing its profile and internal mechanism when open.

Operating Instructions

Follow these steps for effective and safe cable stripping:

1. **Prepare the Cable:** Ensure the cable end is clean and free from damage.
2. **Open the Tool:** Gently open the two halves of the stripping tool.
3. **Insert the Cable:** Place the cable into the appropriate stripping slot. Ensure the cable is fully seated against the length stop for consistent results.

Figure 4: Demonstrates inserting a data cable into the stripping tool's designated slot.

4. **Close the Tool:** Firmly close the tool around the cable. You should feel the blades engage with the cable sheath.

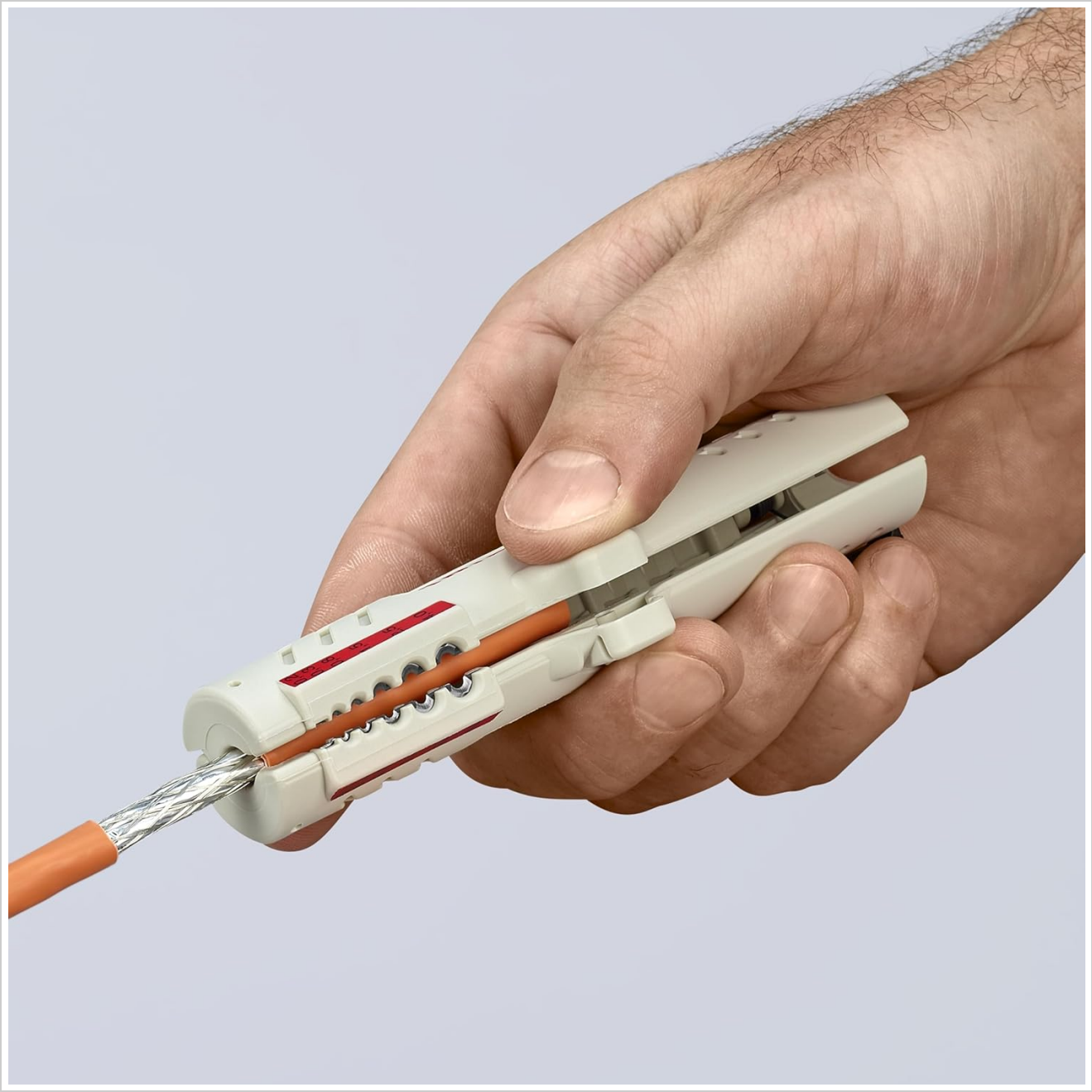

Figure 5: Shows the tool closed around the cable, ready for the stripping action.

5. **Rotate and Pull:** Rotate the tool around the cable a few times to score the sheath. Then, pull the tool away from the cable end to remove the stripped sheath.

Figure 6: The cable sheath has been removed, revealing the twisted pairs inside.

6. **Inspect:** Verify that the sheath has been cleanly removed and the inner conductors are undamaged.

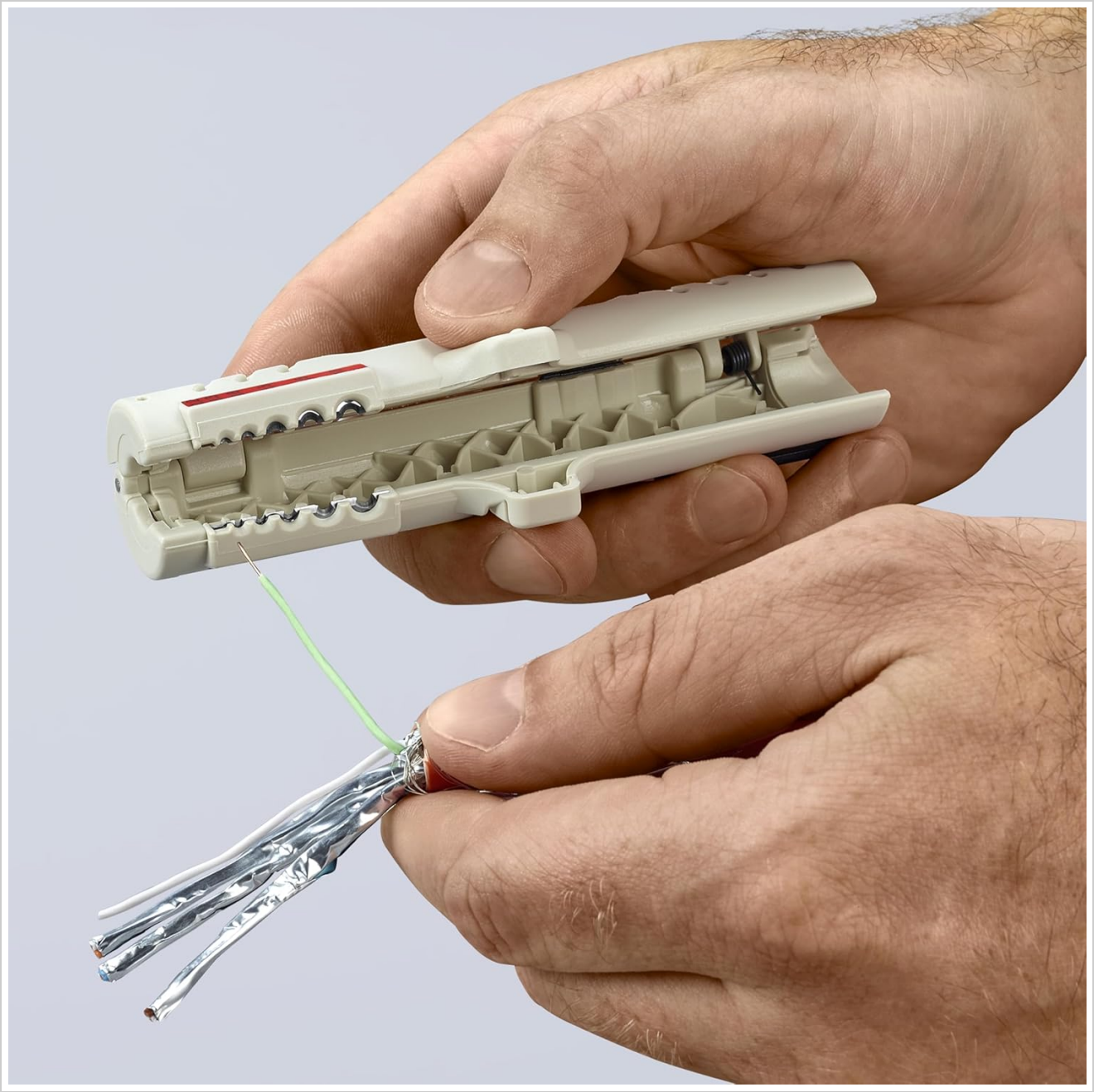

Figure 7: The tool is open, displaying the stripped cable end and the internal components of the tool.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your KNIPEX stripping tool.

- **Cleaning:** After each use, remove any cable debris or insulation fragments from the tool, especially around the blades. A soft brush or compressed air can be used.
- **Storage:** Store the tool in a clean, dry environment to prevent corrosion and damage.
- **Inspection:** Periodically inspect the blades for wear or damage. While the blades are designed for durability, excessive force or improper use can dull them.
- **Lubrication:** The tool generally does not require lubrication. If the mechanism feels stiff, a very small amount of light machine oil can be applied to the pivot points, ensuring not to get oil on the stripping blades.

Troubleshooting

Problem	Possible Cause	Solution
Cable not stripping cleanly.	Incorrect cable size; dull blades; insufficient rotation/pulling force.	Ensure cable matches tool's capacity; inspect blades for wear; apply more rotation and firm pull.
Inner conductors are nicked or cut.	Cable not seated correctly; excessive force; incorrect tool for cable type.	Ensure cable is fully seated; use appropriate force; verify tool compatibility with cable type.
Tool feels stiff or difficult to open/close.	Accumulated debris; lack of lubrication.	Clean the tool thoroughly; apply a small amount of light machine oil to pivot points if necessary.

Specifications

Attribute	Detail
Brand	KNIPEX
Model Number	16 65 125 SB
Material	Blend (Tool Body), Aluminium (Handle Material)
Color	Silver/Gray
Item Weight	50 Grams (1.76 ounces)
Product Dimensions	7.5 x 3.4 x 1.2 inches
Country of Origin	China
UPC	843221004088
Specification Met	RoHS

Warranty

The KNIPEX 16 65 125 SB Data Cable Stripping Tool is covered by a warranty against defects in workmanship and materials. For specific details regarding warranty claims and coverage, please refer to the official KNIPEX warranty policy or contact KNIPEX customer support.
Warranty Description: Workmanship and Materials

Support

For further assistance, technical support, or inquiries regarding your KNIPEX Data Cable Stripping Tool, please visit the official KNIPEX website or contact their customer service department.
KNIPEX Official Website: www.knipex.com
KNIPEX Store on Amazon: Visit the KNIPEX Store