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› [KNIPEX](#) /

› Knipex 97 51 10 SB Crimping Pliers for Western plugs RJ 11/12 User Manual

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Knipex 97 51 10 SB Crimping Pliers User Manual

Model: 97 51 10 SB

PRODUCT OVERVIEW

The Knipex 97 51 10 SB Crimping Pliers are professional-grade tools designed for efficient and precise work with unshielded ribbon telephone cables. These pliers feature integrated functions for cutting and stripping, making them a versatile solution for various cabling tasks. The ergonomic multi-component grips ensure comfortable and secure handling during extended use.



Image: Knipex 97 51 10 SB Crimping Pliers. This image displays the crimping pliers with blue and red multi-component grips, showing the cutting and crimping jaws, and the integrated stripping knife.

SETUP

The Knipex 97 51 10 SB Crimping Pliers are ready for immediate use out of the packaging. No assembly is required. Before first use, inspect the tool for any visible damage or defects. Ensure the cutting and crimping jaws are clean and free of debris.

Safety Precautions

- Always wear appropriate personal protective equipment, such as safety glasses, when using the tool.
- Ensure the work area is well-lit and clear of obstructions.
- Do not use the tool for purposes other than its intended use (cutting, stripping, and crimping telephone cables).
- Keep fingers clear of the cutting and crimping jaws during operation.

OPERATING INSTRUCTIONS

These pliers are designed for crimping Western plugs (RJ 11/12) and for cutting and stripping unshielded ribbon telephone cables.

1. Cutting Cables

1. Open the pliers fully.
2. Place the ribbon cable into the designated cutting blade area.
3. Apply firm, even pressure to the handles to cut the cable cleanly.

2. Stripping Cables

The pliers feature a dismantling knife for ribbon cables of 6 mm and 12 mm length.

1. Identify the appropriate stripping slot for your cable size (6mm or 12mm).
2. Insert the end of the ribbon cable into the chosen stripping slot.
3. Gently close the handles to engage the stripping blade, then pull the cable through to remove the insulation.
4. Inspect the stripped wires to ensure no damage occurred to the conductors.

3. Crimping Western Plugs (RJ 11/12)

1. Prepare the cable by stripping the outer jacket to the appropriate length, exposing the individual conductors.
2. Arrange the conductors according to the desired wiring standard (e.g., T568A or T568B for RJ45, though this tool is for RJ11/12).
3. Insert the prepared conductors into the Western plug, ensuring they reach the end of the plug and are in the correct order.
4. Place the loaded Western plug into the corresponding crimping die on the pliers. Ensure it is seated correctly.
5. Squeeze the handles firmly and completely until the crimping mechanism cycles and releases. This ensures a secure connection between the conductors and the plug's pins.
6. Remove the crimped plug and visually inspect the connection for proper seating and crimping.

MAINTENANCE

Proper maintenance will extend the life and performance of your Knipex Crimping Pliers.

- **Cleaning:** After each use, wipe down the pliers with a clean, dry cloth to remove any dust, dirt, or cable residue. For stubborn grime, a slightly damp cloth can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot points and moving parts to ensure smooth operation.
- **Storage:** Store the pliers in a dry environment to prevent rust. Keep them away from corrosive materials.
- **Inspection:** Regularly inspect the cutting blades and crimping dies for wear, damage, or misalignment. Worn blades can lead to poor cuts, and damaged dies can result in faulty crimps.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Poor crimp quality (loose connections, bent pins)	Insufficient pressure applied during crimping. Incorrect plug size for the die. Worn or damaged crimping die. Improperly prepared cable/conductors.	Apply full, firm pressure until the crimp cycle completes. Ensure you are using RJ11/12 plugs. Inspect the die for wear; consider tool replacement if severely worn. Re-strip and re-align conductors carefully.

Problem	Possible Cause	Solution
Cable not cutting cleanly	Dull or damaged cutting blade. Cable not positioned correctly.	Inspect the blade for nicks or dullness. Ensure the cable is fully seated in the cutting area.
Difficulty stripping cable insulation	Incorrect stripping slot used. Dull stripping knife.	Verify the cable width (6mm or 12mm) matches the slot. Inspect the stripping knife for wear.

SPECIFICATIONS

Feature	Detail
Model Number	97 51 10 SB
Brand	KNIPEX
Tool Type	Crimping Pliers for Western plugs (RJ 11/12)
Cable Compatibility	Unshielded ribbon telephone cables
Stripping Function	Dismantling knife for 6 mm and 12 mm ribbon cables
Handle Material	Multi-component grips (Plastic)
Material	Chrome Vanadium Steel
Item Weight	Approx. 10.6 ounces (0.3 Kilograms)
Product Dimensions	Approx. 10.24 x 3.78 x 0.98 inches
UPC	798256194450

WARRANTY INFORMATION

KNIPEX tools are manufactured to the highest quality standards and are designed for professional use. For specific warranty details, please refer to the official KNIPEX website or contact their customer support. Generally, KNIPEX offers a limited warranty against defects in material and workmanship.

Please retain your proof of purchase for any warranty claims.

SUPPORT

For technical assistance, product inquiries, or support, please visit the official KNIPEX website or contact their customer service department.

- **KNIPEX Official Website:** www.knipex.com
- **Brand Store on Amazon:** [KNIPEX Store](#)

When contacting support, please have your product model number (97 51 10 SB) and purchase details ready.

