

Akozon Akozonky3bcdwz8m

Akozon 4.5-11mm Fiber Optic Cable Slitter Instruction Manual

Model: Akozonky3bcdwz8m

1. INTRODUCTION

The Akozon 4.5-11mm Fiber Optic Cable Slitter is a precision tool designed for the longitudinal stripping of buffer tubes and loose tubes in fiber optic cables. This tool is essential for preparing fiber optic cables for splicing, termination, and other installation or maintenance tasks in telecommunication infrastructure and network equipment.

This manual provides instructions for the safe operation, maintenance, and troubleshooting of your Akozon cable slitter. Please read it thoroughly before use.

2. PRODUCT OVERVIEW

The Akozon Fiber Optic Cable Slitter features multiple precision-ground blades housed within a durable body, allowing for accurate and consistent stripping of various cable diameters. Its ergonomic design ensures ease of use and minimizes the risk of fiber damage.

Key Features:

- Adjustable stripping diameters: 4.5mm, 6mm, 7mm, 8mm, 11mm.
- Longitudinal stripping capability for buffer tubes and loose tubes.
- Durable construction for long-term reliability.
- Compact and lightweight design for portability.

Components:

The tool consists of two hinged halves that open to accept the cable. Each half contains precisely machined grooves corresponding to different cable diameters, along with integrated blades for stripping.



Tube Slitter

Apply to the cable center beam tube longitudinal stripping

Figure 2.1: The Akozon Fiber Optic Cable Slitter in use, demonstrating its ability to longitudinally strip a fiber optic cable, revealing the internal colored fibers.

Stripping tube diameter: 4.5/ 6 /7 /8 /11mm

Tube Slitter



Figure 2.2: The cable slitter highlighting the marked stripping tube diameters: 4.5mm, 6mm, 7mm, 8mm, and 11mm, indicating its versatility for different cable sizes.



Figure 2.3: A composite image showing different perspectives of the cable splitter, including its closed and open states, and how a cable is positioned within it.



Figure 2.4: An end-on view of the cable stripper, clearly displaying the various semi-circular slots designed for different cable diameters.

3. SPECIFICATIONS

Attribute	Specification
Brand	Akozon
Model Number	Akozonky3bcdwz8m
Material	Durable Polymer (body), Stainless Steel (blades)
Color	Black
Stripping Diameter Range	4.5mm, 6mm, 7mm, 8mm, 11mm
Dimensions (Approx.)	6.5 cm (2.56 inches) Length x 5.5 cm (2.17 inches) Width
Specific Product Uses	Telecommunication infrastructure, network equipment maintenance

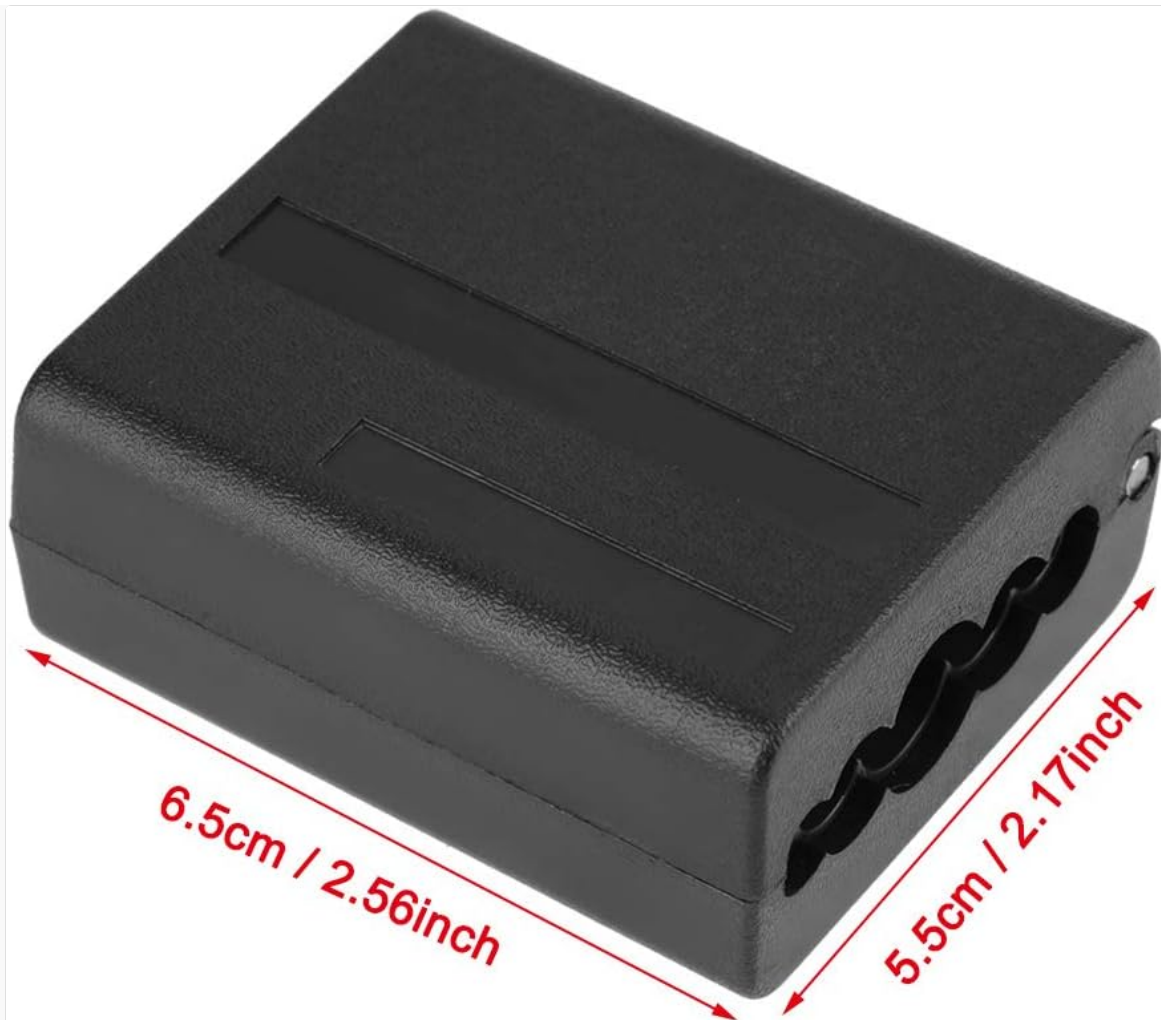


Figure 3.1: The cable splitter with its approximate dimensions of 6.5 cm (2.56 inches) in length and 5.5 cm (2.17 inches) in width.

4. SAFETY INSTRUCTIONS

Always follow these safety guidelines to prevent injury and damage to the tool or cable:

- **Wear Eye Protection:** Always wear appropriate safety glasses to protect your eyes from fiber shards or debris.
- **Handle with Care:** The tool contains sharp blades. Exercise caution when handling to avoid cuts.
- **Keep Out of Reach of Children:** This tool is not a toy and should be stored securely away from children.
- **Use in a Well-Lit Area:** Ensure adequate lighting to clearly see the cable and the tool during operation.
- **Inspect Before Use:** Before each use, inspect the tool for any damage or wear that could affect its performance or safety.
- **Do Not Force:** If the tool resists, do not apply excessive force. Re-evaluate the cable size and tool alignment.

5. SETUP

1. **Unpack:** Carefully remove the cable stripper from its packaging.
2. **Inspect:** Check the tool for any visible damage or manufacturing defects. If any are found, do not use the tool and contact customer support.
3. **Familiarize:** Open the tool and identify the different diameter slots (4.5mm, 6mm, 7mm, 8mm, 11mm) marked on the inside. These correspond to the outer diameter of the buffer tube or loose tube you intend to strip.

6. OPERATING INSTRUCTIONS

Follow these steps for effective and safe stripping of fiber optic cables:

1. **Select Correct Slot:** Identify the outer diameter of the buffer tube or loose tube you need to strip. Choose the corresponding slot on the cable stripper. Using the wrong size can damage the fiber or the tool.
2. **Open the Tool:** Gently open the two halves of the cable stripper.
3. **Position the Cable:** Place the fiber optic cable into the selected diameter slot. Ensure the cable sits snugly within the groove.



Figure 6.1: The cable stripper shown in an open position with a fiber optic cable correctly placed within one of the stripping grooves.

4. **Close the Tool:** Carefully close the two halves of the tool around the cable. Ensure they are fully closed and aligned.



Figure 6.2: The cable splitter closed securely around a fiber optic cable, indicating it is ready for the stripping action.

5. **Strip the Cable:** While holding the tool firmly, apply gentle, even pressure and pull the tool along the length of the cable. The internal blades will longitudinally slit the buffer tube or loose tube.
6. **Remove Stripped Material:** Once the desired length is stripped, open the tool and carefully remove the cable and the separated buffer tube material.
7. **Inspect:** Examine the stripped fiber for any damage. If damage occurs, adjust your technique or inspect the tool for issues.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your cable splitter:

- **Cleaning:** After each use, clean any fiber debris or dust from the blades and grooves using a soft, dry cloth or compressed air. Do not use abrasive cleaners.
- **Storage:** Store the tool in a clean, dry environment, preferably in its original packaging or a protective case, to prevent damage and corrosion.
- **Blade Inspection:** Periodically inspect the blades for signs of wear, dullness, or damage. Worn blades can lead to inconsistent stripping or fiber damage.



Figure 7.1: A detailed view of the hinge mechanism, which should be kept clean and free of debris for smooth operation.

8. TROUBLESHOOTING

If you encounter issues with your cable stripper, refer to the following common problems and solutions:

- **Problem:** Cable not stripping cleanly or completely.

Solution:

- Ensure you have selected the correct diameter slot for your cable.
- Verify the tool is fully closed around the cable.
- Apply consistent and even pressure while pulling the tool.
- Inspect blades for dullness or damage; replace the tool if blades are worn.

- **Problem:** Fiber inside the buffer tube is being damaged.

Solution:

- You may be using a slot that is too small for the buffer tube, causing the blades to cut too deep. Select a larger slot.
- Reduce the amount of pressure applied during stripping.
- Ensure the cable is centered in the slot.

- **Problem:** Tool is difficult to open or close.

Solution:

- Clean the hinge area and internal grooves to remove any accumulated debris.

- Ensure no cable or foreign objects are obstructing the hinge mechanism.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.