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> Jyving FSH-Y10A Wire Rope Crimping Tool Instruction Manual

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Model: FSH-Y10A

1. INTRODUCTION

This manual provides instructions for the safe and effective use of the Jyving FSH-Y10A Wire Rope Crimping Tool. Please read this manual thoroughly before operating the tool to ensure proper function and to prevent injury or damage. The Jyving FSH-Y10A is designed for crimping wire ropes and cables, specifically with aluminum double barrel ferrules. Its robust construction and ergonomic design facilitate efficient and comfortable operation for various applications.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Durable Construction:** The tool body is made from high-carbon steel, hardened at high temperatures for enhanced durability.
- **Ergonomic Design:** The handle is designed for comfortable grip, reducing hand fatigue during extended use.
- **Versatile Crimping:** Capable of crimping wire ropes and cables within a range of 0.1mm to 2.2mm².
- **Integrated Cutter:** Includes a wire rope cutting function.

2.2 Components

The package typically includes:

- 1 x Jyving FSH-Y10A Wire Rope Crimping Tool
- Assorted Aluminum Double Barrel Ferrules (e.g., M1.2, M1.5, M2.0, if included in the specific kit)



Figure 1: Jyving FSH-Y10A Wire Rope Crimping Tool and a box of assorted ferrules.

Upgrade Pliers (x1) +150PCS (box)

Model	Quantity	Wire rope
M1.2	50PCS	Φ1.2mm
M1.5	50PCS	Φ1.5mm
M2.0	50PCS	Φ2.0mm

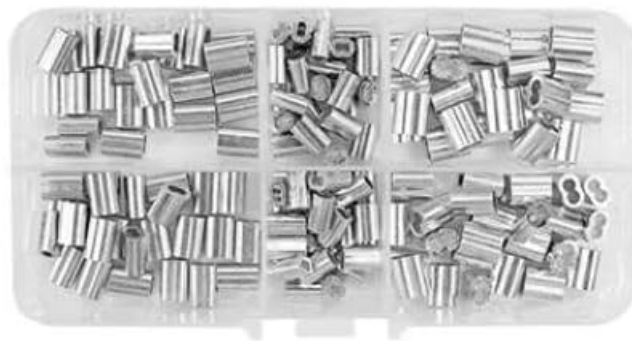


Figure 2: The crimping pliers shown alongside a box containing 150 assorted ferrules (M1.2, M1.5, M2.0) with corresponding wire rope diameters.



Figure 3: Diagram illustrating the dimensions of the crimping tool: approximately 140mm jaw length, 110mm handle length, 25mm jaw width, and 65mm handle width.

3. SETUP

The Jyving FSH-Y10A crimping tool is ready for use out of the box. No assembly is required. Ensure the tool is clean and

free from debris before first use.

3.1 Opening the Tool

If the tool is in a locked position, locate the bolt/latch mechanism near the pivot point. Push the bolt to release the handles and open the jaws.

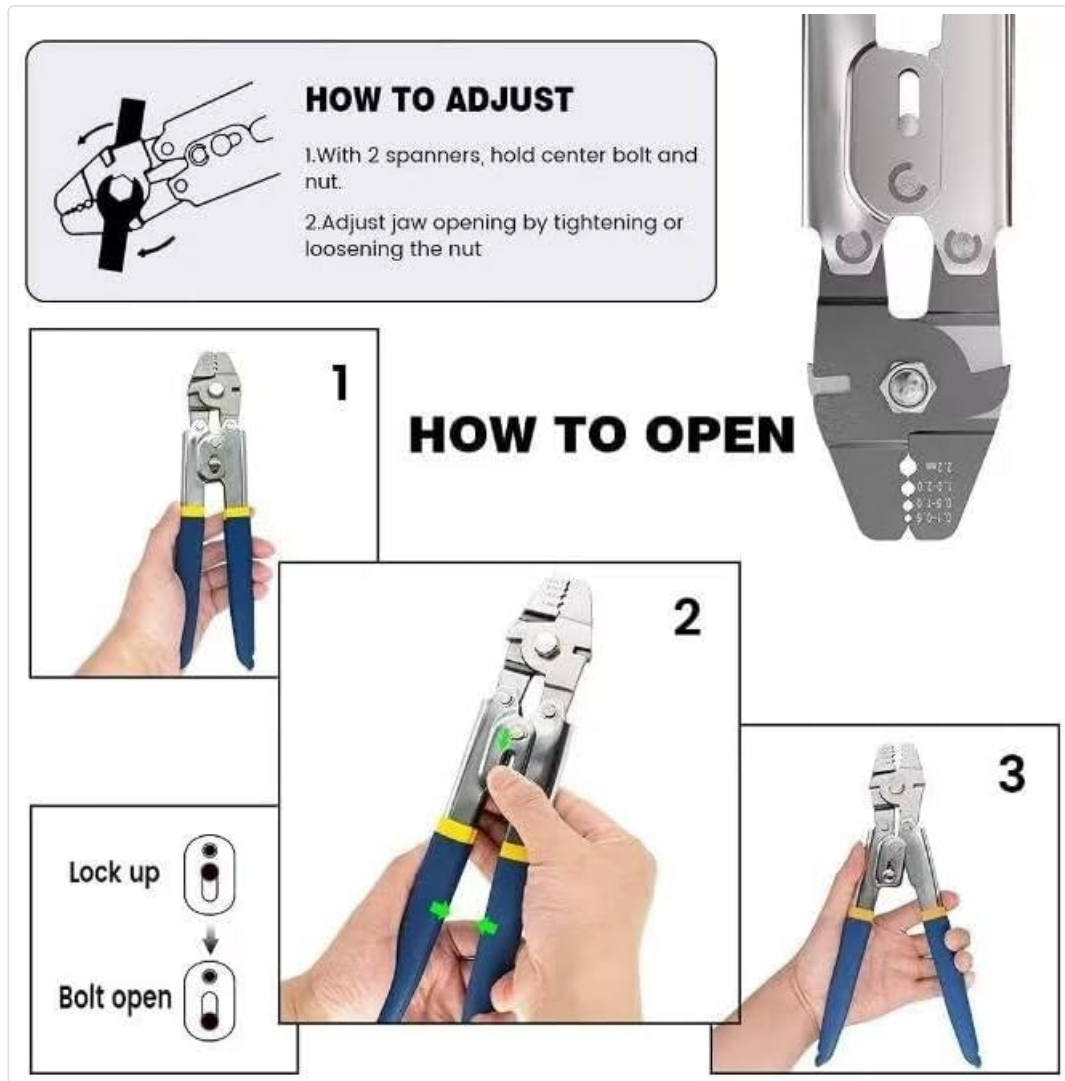


Figure 4: Visual guide on how to open the tool from its locked position and how to adjust the jaw opening.

4. OPERATING INSTRUCTIONS

4.1 Selecting the Correct Crimping Slot

The tool features multiple crimping slots, each marked with a specific wire rope diameter range:

- 0.1-0.5mm
- 0.5-1.0mm
- 1.0-2.0mm
- 2.2mm² (This likely refers to a specific crimp size, not area)

Always select the slot that matches the diameter of your wire rope and ferrule for a secure crimp.

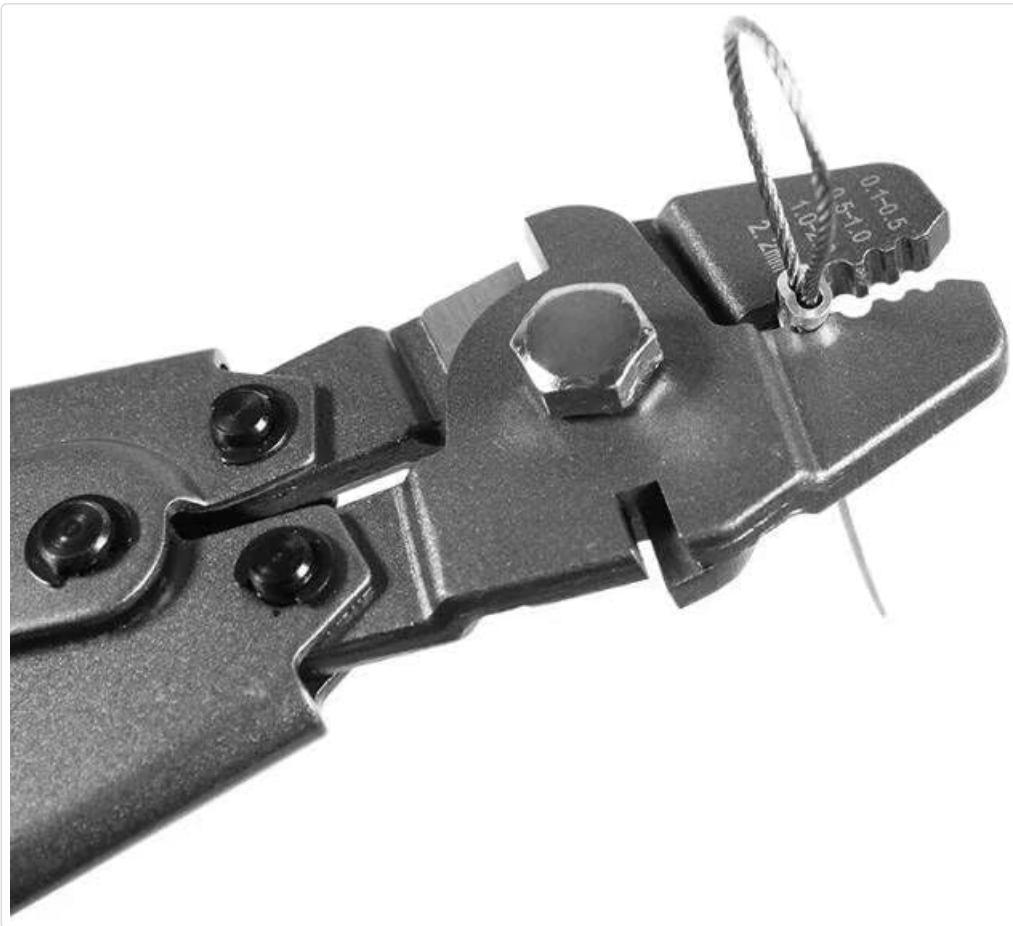


Figure 5: Close-up view of the crimping tool's jaws, highlighting the different crimping slots and their marked size ranges.

4.2 Crimping Wire Rope

1. Insert the wire rope through the ferrule.
2. Loop the wire rope back through the ferrule, creating a loop of the desired size.
3. Place the ferrule into the appropriate crimping slot on the tool. Ensure the ferrule is fully seated within the slot.
4. Firmly squeeze the handles of the crimping tool until the ferrule is securely compressed. Apply even pressure.
5. Release the handles and inspect the crimped ferrule to ensure it is tight and secure.



Figure 6: Step-by-step visual guide demonstrating the correct method for crimping a wire rope with a ferrule using the tool.

4.3 Cutting Wire Rope

The tool includes a cutting edge for wire rope. Position the wire rope within the designated cutting area of the jaws and squeeze the handles firmly to cut.

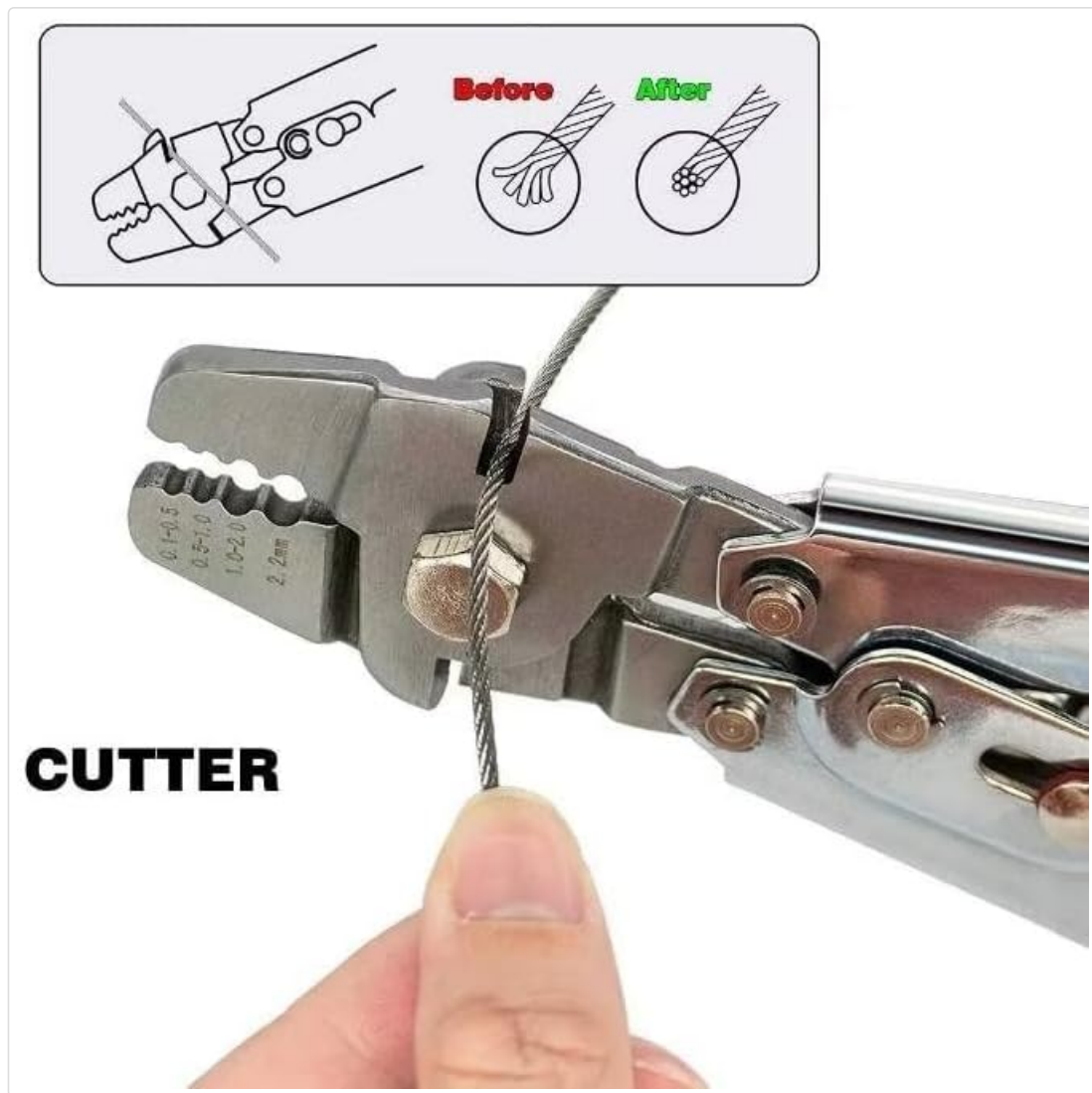


Figure 7: Illustration demonstrating the wire rope cutting function of the tool, showing how the tool cleanly cuts the wire rope.

4.4 Adjusting Jaw Opening

To adjust the jaw opening, use two spanners to hold the center bolt and nut. Tighten or loosen the nut as needed to achieve the desired jaw tension or opening.

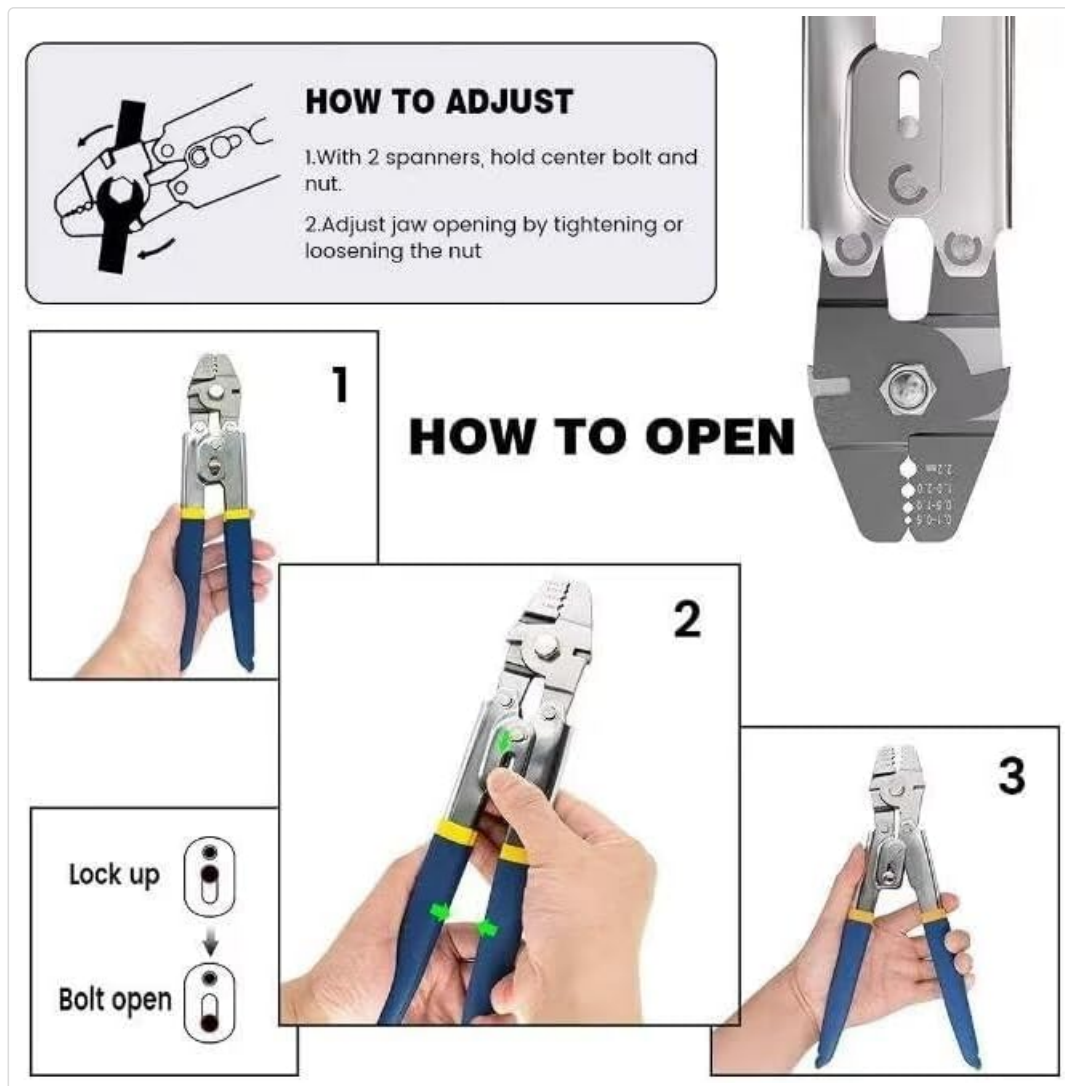


Figure 8: Visual instructions on how to adjust the jaw opening by manipulating the center bolt and nut.

5. MAINTENANCE

- **Cleaning:** After each use, wipe the tool clean of any debris, dirt, or moisture.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and moving parts to ensure smooth operation and prevent rust.
- **Storage:** Store the tool in a dry environment to prevent corrosion. Keep it in its locked position when not in use to protect the jaws.
- **Inspection:** Regularly inspect the jaws for wear or damage. Do not use the tool if the jaws are damaged or misaligned.

6. TROUBLESHOOTING

- **Problem:** Crimps are not secure or ferrule slips.
Solution: Ensure you are using the correct crimping slot for the wire rope and ferrule size. Apply sufficient and even pressure during crimping. Inspect the ferrule for proper material and size compatibility.
- **Problem:** Tool handles are stiff or difficult to operate.
Solution: Apply a small amount of lubricant to the pivot points. Check for any debris obstructing the movement.
- **Problem:** Wire rope is not cutting cleanly.
Solution: Ensure the wire rope is positioned correctly in the cutting area. The cutting edges may be dull; consider

professional sharpening or replacement if heavily worn.

7. SPECIFICATIONS

Attribute	Specification
Model	FSH-Y10A
Material	High Carbon Steel (Tool Body), Aluminum/High Carbon Steel (Handle)
Crimping Range	0.1-0.5mm, 0.5-1.0mm, 1.0-2.0mm, 2.2mm²
Length	Approx. 250mm (10.23 inches)
Grip Type	Ergonomic
UPC	881412227687



Figure 9: Detailed diagram of double barrel ferrules with size specifications (M1.2, M1.5, M2.0) and a table of their dimensions (A, B, S, L).



Figure 10: Examples of common applications for the crimping tool, including guardrail nets, dog leashes, marine and industrial rigging, and outdoor activities.

8. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when operating the tool.
- Keep hands and fingers clear of the crimping jaws and cutting edges during operation.
- Do not use the tool for purposes other than its intended use (crimping and cutting wire rope).
- Keep out of reach of children.
- Ensure the work area is well-lit and free of obstructions.
- Do not attempt to crimp materials beyond the specified range of the tool.

9. WARRANTY AND SUPPORT

Warranty information for the Jyving FSH-Y10A Wire Rope Crimping Tool is not explicitly provided in the product details. For specific warranty terms or technical support, please contact the manufacturer, Jyving, or your point of purchase.
Manufacturer: Jyving

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