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› Qizpcer Electrical Wire Connectors User Manual

Qizpcer JXM-H

Qizpcer Electrical Wire Connectors User Manual

Model: JXM-H

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of Qizpcer Red Electrical Wire Connectors. These screw terminals are designed for connecting electrical wires without soldering, ensuring a secure and reliable connection. Each package contains 300 pieces of red connectors, suitable for AWG 18-10 wires.



Image 1.1: A clear bag containing 300 red electrical wire connectors, with an inset showing a single connector twisted onto a yellow wire.

2. SAFETY INFORMATION

Always prioritize safety when working with electrical components. Failure to follow these safety guidelines may result in electric shock, fire, or personal injury.

- **Disconnect Power:** Always ensure that the power supply to the circuit is completely disconnected before beginning any electrical work. Verify with a voltage tester.
- **Proper Wire Sizing:** Use connectors appropriate for the wire gauge (AWG 18-10 for these red connectors). Refer to the specifications section for details.
- **Insulation:** Ensure all connections are properly insulated. The connectors provide insulation, but additional insulation may be required depending on the application.
- **Secure Connections:** Ensure wires are twisted securely within the connector to prevent loose connections, which can lead to overheating.

- **Professional Assistance:** If you are unsure about any electrical procedure, consult a qualified electrician.

3. SETUP

Before connecting wires, proper preparation is essential for a safe and reliable connection.

1. **Gather Tools:** Ensure you have the necessary tools, including wire strippers, pliers (optional, for twisting wires), and a voltage tester.
2. **Strip Wires:** Carefully strip approximately 1/2 to 3/4 inch (1.2 to 1.9 cm) of insulation from the ends of the wires to be connected. Ensure the copper conductors are clean and free of damage.



Image 3.1: Two red electrical wires with their insulation stripped to expose the copper conductors.

3. **Twist Wires (Optional but Recommended):** For stranded wires, it is recommended to pre-twist the stripped ends together clockwise before inserting them into the connector. This helps ensure all strands are captured.



Image 3.2: The stripped ends of two red wires are twisted together, preparing them for insertion into a wire connector.

4. OPERATING INSTRUCTIONS

Follow these steps to properly use the Qizpcer Electrical Wire Connectors:

1. **Insert Wires:** Align the stripped and optionally pre-twisted ends of the wires and insert them fully into the open end of the wire connector. Ensure no bare copper is exposed outside the connector once installed.



Image 4.1: Two yellow insulated wires are shown being inserted into the opening of a red wire connector.

2. **Twist On:** With firm pressure, twist the wire connector onto the wires in a clockwise direction. Continue twisting until the connector is snug and the wires are securely held. The cone-shaped spring inside the connector will pull and twist the wires together.



Image 4.2: A blue wire connector is being twisted onto two red wires, demonstrating the application process.

3. **Verify Connection:** Gently tug on each wire to ensure it is firmly secured within the connector and cannot be pulled out. No bare wire should be visible.



Image 4.3: A blue wire connector is shown securely twisted onto two red wires, indicating a completed connection.

Application Examples



Image 4.4: Various wire connectors, including red and orange ones, are shown in different electrical installation scenarios, demonstrating their

practical use.

Instructional Video

Your browser does not support the video tag.

Video 4.1: An instructional video demonstrating the proper technique for connecting electrical wires using Qizpcer wire nuts. The video shows stripping wires, twisting them, and securing them with the connector.

5. MAINTENANCE

Qizpcer wire connectors require minimal maintenance. Proper storage ensures their longevity and effectiveness.

- **Storage:** Store connectors in a dry, cool place, away from direct sunlight and moisture. Keep them in their original packaging or a sealed container to prevent contamination and damage.
- **Inspection:** Before use, visually inspect each connector for any cracks, deformities, or damage to the plastic housing. Do not use damaged connectors.

6. TROUBLESHOOTING

If you encounter issues while using the wire connectors, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Loose Connection / Wires Pull Out Easily	<ul style="list-style-type: none">◦ Insufficient wire stripping.◦ Not enough wires for the connector size.◦ Connector not twisted on firmly enough.◦ Incorrect wire gauge for the connector.	<ul style="list-style-type: none">◦ Ensure 1/2 to 3/4 inch of insulation is stripped.◦ Verify the minimum wire combination for the connector (e.g., Min. 3#18 for red).◦ Twist the connector firmly until snug.◦ Use the correct connector size for your wire gauge (AWG 18-10 for red).
Connector Does Not Tighten / Threads Strip	<ul style="list-style-type: none">◦ Too many wires for the connector size.◦ Excessive force applied during twisting.	<ul style="list-style-type: none">◦ Verify the maximum wire combination for the connector (e.g., Max. 2#10 sol w/2#12 str for red).◦ Apply firm but not excessive force. If the connector feels like it's stripping, it might be overloaded or defective. Replace with a new connector.

Problem	Possible Cause	Solution
Bare Wire Exposed After Connection	<ul style="list-style-type: none"> Wires stripped too long. Connector not fully seated. 	<ul style="list-style-type: none"> Re-strip wires to the recommended length (1/2 to 3/4 inch). Ensure the connector is twisted down completely until the insulation meets the connector base.

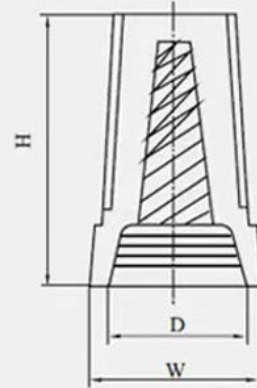
7. SPECIFICATIONS

Detailed specifications for the Qizpcer Red Electrical Wire Connectors (Model: JXM-H).

- **Product Type:** Screw Terminal Wire Connector
- **Color:** Red
- **Applicable Wire Gauge:** 18-10 AWG (American Wire Gauge)
- **Minimum Wire Combination:** 3#18 AWG
- **Maximum Wire Combination:** 2#10 solid with 2#12 stranded
- **Material:** Flame retardant housing with high-quality high-carbon steel spring insert (copper contact material)
- **Dimensions (Red P6):** Approximately 1.05 inches (Height) x 0.63 inches (Width)
- **Package Quantity:** 300 Pcs
- **Model Number:** JXM-H



Image 7.1: An illustration showing the internal high-quality high-carbon steel spring, which is the core component of the wire connector.



Model	Gray-P1	Blue-P2	Orange-P3	Yellow-P4	Red-P6
High	15	18	20	23.5	23.5
Width	8.5	10	11.5	13.5	15.5
Inner diameter	6.5	7.5	9.5	10.8	12.7
Applicable Wire	22-14 AWG Min. 2#20, Max. 1#16 w/ 1#18 w/1#20	22-14 AWG Min. 2#22 Max. 3#16	22-14 AWG Min. 1#18 w/ 1#20 Max. 4#16 w/ 1#20	22-10 AWG Min. 3#20 sol Max. 2#12 w/ 2#14)	22-10 AWG Min. 3#18 Max. 2#10 sol w/2#12 str

Image 7.2: A detailed table outlining the height, width, inner diameter, and applicable wire gauges for various models of Qizpcer wire connectors, including the red P6 model.

8. WARRANTY AND SUPPORT

Qizpcer is committed to customer satisfaction. While specific warranty terms are not detailed, the manufacturer offers support for product issues.

If you have any questions about this product, require a replacement, or wish to request a refund, please feel free to contact Qizpcer directly. You can find more information and contact details by visiting the official Qizpcer store on Amazon:

[Visit the Qizpcer Store](#)

