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mxuteuk JST-1.25mm

mxuteuk 30 Pairs 26 AWG 2 Pin Mini Micro JST 1.25mm Connector Plug Cable Wire User Manual

Brand: mxuteuk | **Model:** JST-1.25mm

Introduction

This manual provides essential instructions for the proper use, installation, and maintenance of your mxuteuk 30 Pairs 26 AWG 2 Pin Mini Micro JST 1.25mm Connector Plug Cable Wire set. Please read this manual thoroughly before use to ensure safe and effective operation.

Product Overview

The mxuteuk JST-1.25mm connector set includes 30 pairs of 2-pin male and female connectors, each pre-wired with 100mm (approximately 3.9 inches) of 26 AWG cable. These connectors are designed for various low-current electrical applications, offering a compact and reliable connection solution.

Each connector features a 1.25mm terminal spacing and is constructed from durable plastic and metal components. The wires are color-coded for easy identification: **red** for the positive (+) connection and **black** for the negative (-) connection.

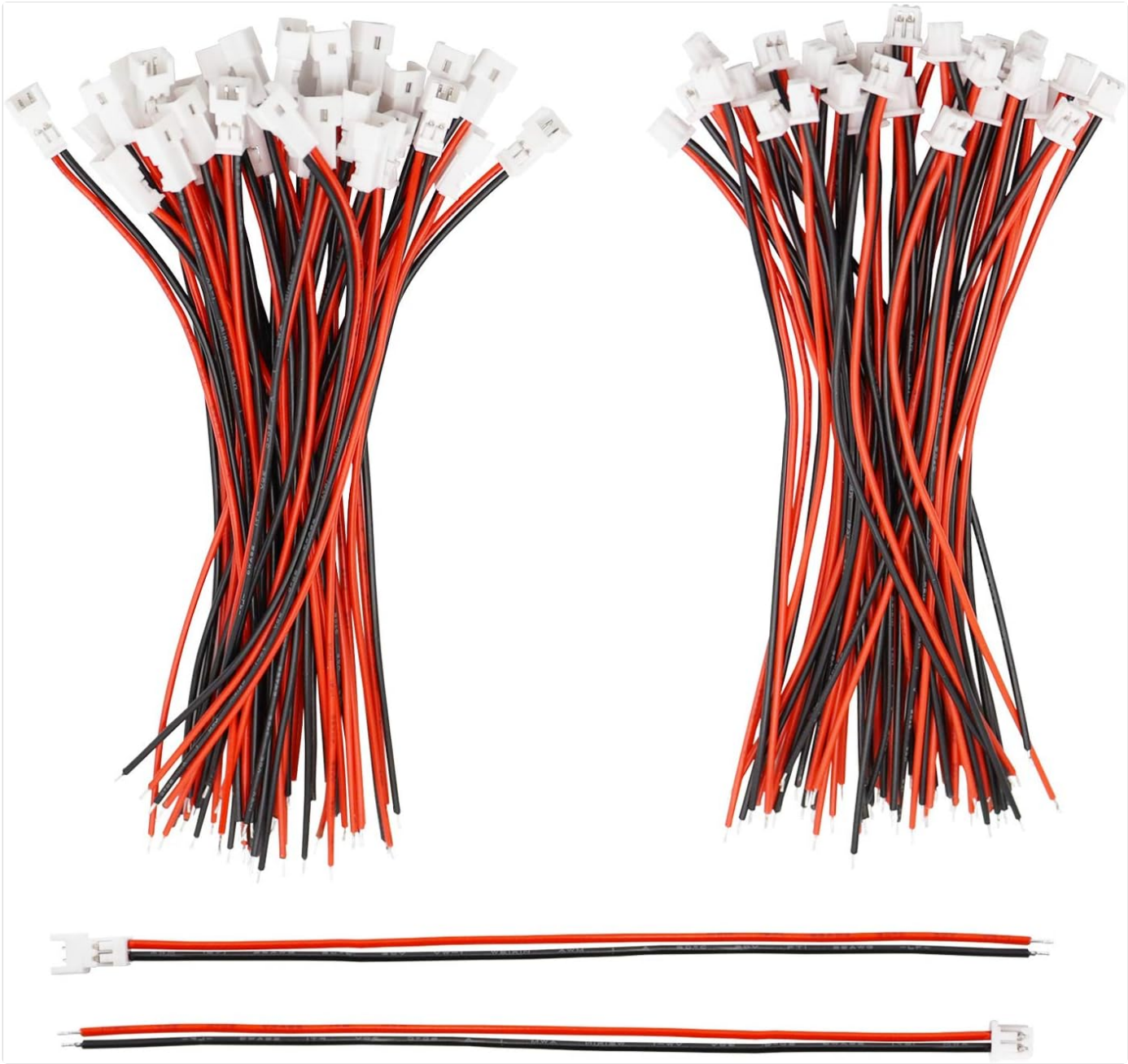


Figure 1: Complete set of mxuteuk 2-pin JST 1.25mm male and female connectors with 100mm wires.

Common applications include:

- Electrical appliances
- Automotive electronics
- Robotics
- LED lighting
- Toys and hobby projects
- PCB control panels
- Audio equipment
- Battery connections

Specifications

Feature	Detail

Connector Type	Mini Micro JST 1.25mm (2-Pin Male & Female)
Terminal Spacing	1.25 mm / 0.05 inches
Wire Gauge	26 AWG
Cable Length	100 mm (approx. 3.9 inches)
Wire Colors	Red (Positive), Black (Negative)
Material	Plastic and Metal
Package Quantity	30 Pairs (30 Male + 30 Female)
Item Weight	0.95 ounces (approx. 27 grams)
Manufacturer	mxuteuk

Setup and Installation

Follow these steps for proper connection of the JST 1.25mm connectors:

1. **Identify Connector Types:** Distinguish between the male and female connectors. The male connector typically has exposed pins, while the female connector has receptacles for the pins.
2. **Verify Polarity:** Ensure that the red wire from one connector is connected to the positive (+) terminal of your circuit, and the black wire to the negative (-) terminal. Maintain consistent polarity across both male and female connectors to prevent damage to components.
3. **Align Connectors:** Carefully align the male connector with the female connector. The connectors are designed to fit in only one orientation.
4. **Secure Connection:** Gently push the male and female connectors together until they are fully seated. A slight click may be felt, indicating a secure connection. Avoid excessive force to prevent bending pins or damaging the plastic housing.
5. **Test Connection:** Before full operation, perform a continuity or power test to ensure the connection is stable and functioning as intended.

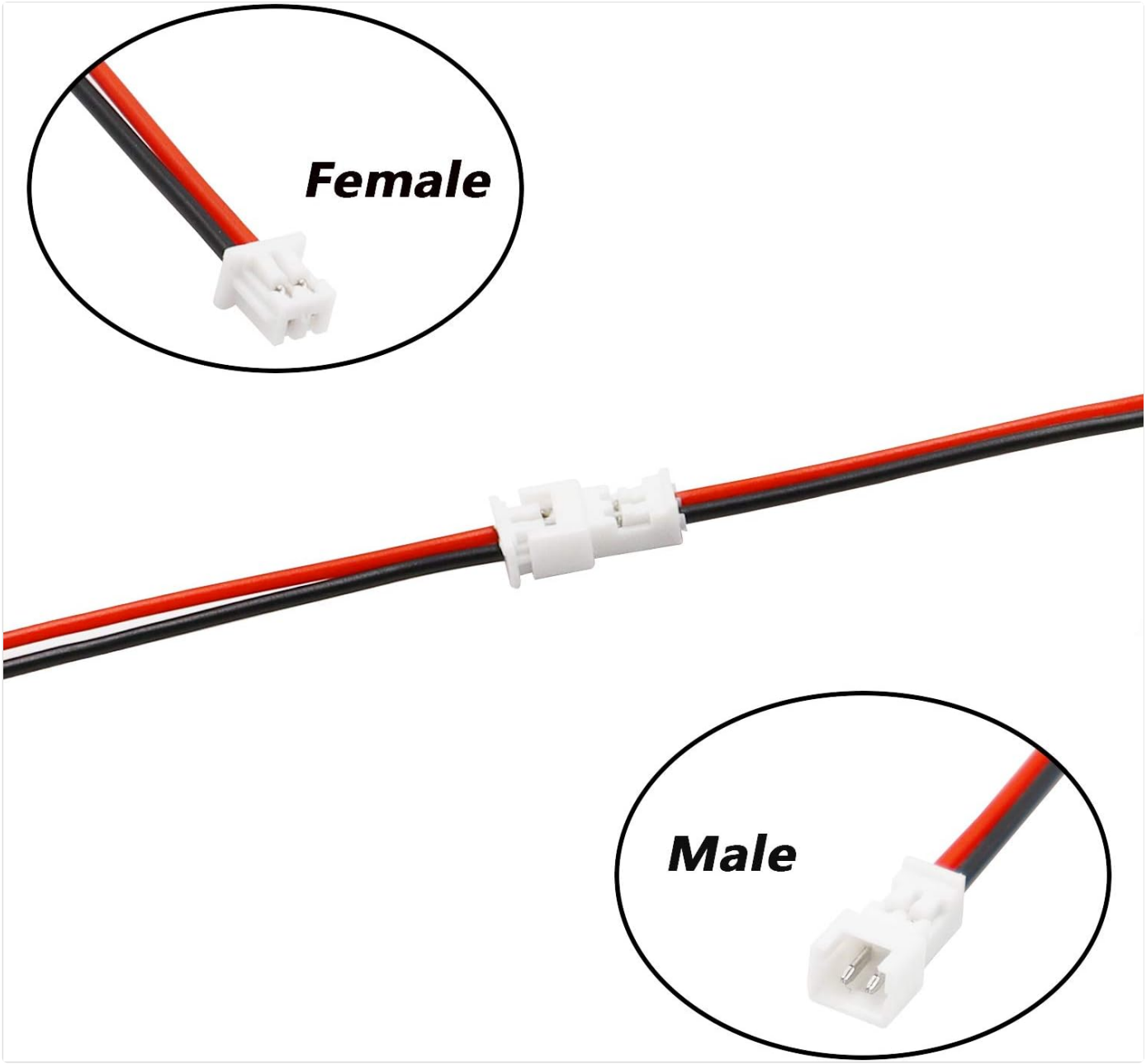


Figure 2: Illustration of male and female JST 1.25mm connectors and their connection point.

Operating Instructions

Once properly installed, these JST 1.25mm connectors facilitate electrical connections in your circuits. Their operation is straightforward:

- **Secure Connection:** Ensure the male and female connectors are fully engaged to maintain a stable electrical path.
- **Low Current Applications:** These connectors are suitable for low-voltage, low-current applications. Refer to your circuit's power requirements to ensure compatibility.
- **Disconnection:** To disconnect, gently pull the two connector halves apart. Avoid pulling directly on the wires, as this can damage the wire-to-pin crimp.

Maintenance

Proper maintenance ensures the longevity and reliability of your connectors:

- **Keep Clean:** Regularly inspect connectors for dust, dirt, or debris. Clean with a soft, dry brush or compressed air if

necessary. Avoid using liquids that could cause corrosion or short circuits.

- **Keep Dry:** Protect connectors from moisture and humidity, which can lead to corrosion and electrical issues.
- **Inspect for Damage:** Periodically check the plastic housing and wires for any signs of wear, cracks, or exposed conductors. Replace any damaged connectors immediately.
- **Avoid Stress:** Do not subject the connectors or wires to excessive pulling, bending, or twisting forces.

Troubleshooting

If you encounter issues with your mxuteuk JST 1.25mm connectors, consider the following:

- **Connectors Not Mating:**
  - Ensure correct alignment. The connectors are polarized and will only fit one way.
  - Check for bent pins on the male connector or obstructed receptacles on the female connector.
- **No Power/Signal:**
  - Verify that the connectors are fully seated and making good contact.
  - Confirm correct polarity (red to positive, black to negative) throughout the circuit.
  - Check for continuity in the wires and across the connected pins using a multimeter.
  - Inspect for any breaks in the wire insulation or damaged conductors.
- **Loose Connection:**
  - If connectors feel loose after mating, inspect the pins and receptacles for wear or deformation.
  - Ensure the wires are securely crimped into the pins.

Warranty and Support

Specific warranty details for this product are not provided in the available information. For warranty inquiries, technical support, or further assistance, please contact the manufacturer, mxuteuk, or your point of purchase.
You may visit the official mxuteuk store for additional product information and support: mxuteuk Store on Amazon

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