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SAVITA D37039-42

SAVITA D37039-42 Double-Wire Plug-In Connector Instruction Manual

Model: D37039-42

Introduction

This manual provides instructions for the safe and efficient use of the SAVITA Double-Wire Plug-In Connector. This product is designed for fast and secure connections of low-voltage wires, ensuring organized and space-saving wiring in various applications.



Image: The SAVITA Double-Wire Plug-In Connector, showcasing its compact design and transparent housing for wire visibility.

Setup and Installation

The SAVITA Double-Wire Plug-In Connector is designed for quick and tool-free wire connections. Follow these steps for proper installation:

1. **Prepare Wires:** Ensure the wires are stripped to the appropriate length. The connector is suitable for 22-20 AWG solid or strand wires. Refer to the wire type image for visual guidance.
2. **Open Connector:** Lift the control valve on the connector to open the wire entry port.
3. **Insert Wire:** Insert the stripped end of the wire completely into the open port. Ensure the wire insulation reaches the stop point within the connector.
4. **Secure Wire:** Press the control valve down firmly with flat-mouth clips or your fingers until it locks into place. This secures the wire connection.

5. **Repeat for Second Wire:** Repeat steps 2-4 for the second wire on the opposite side of the connector.
6. **Connecting Two Connectors:** To join two connectors, align them and push them together until they click, forming a secure connection.

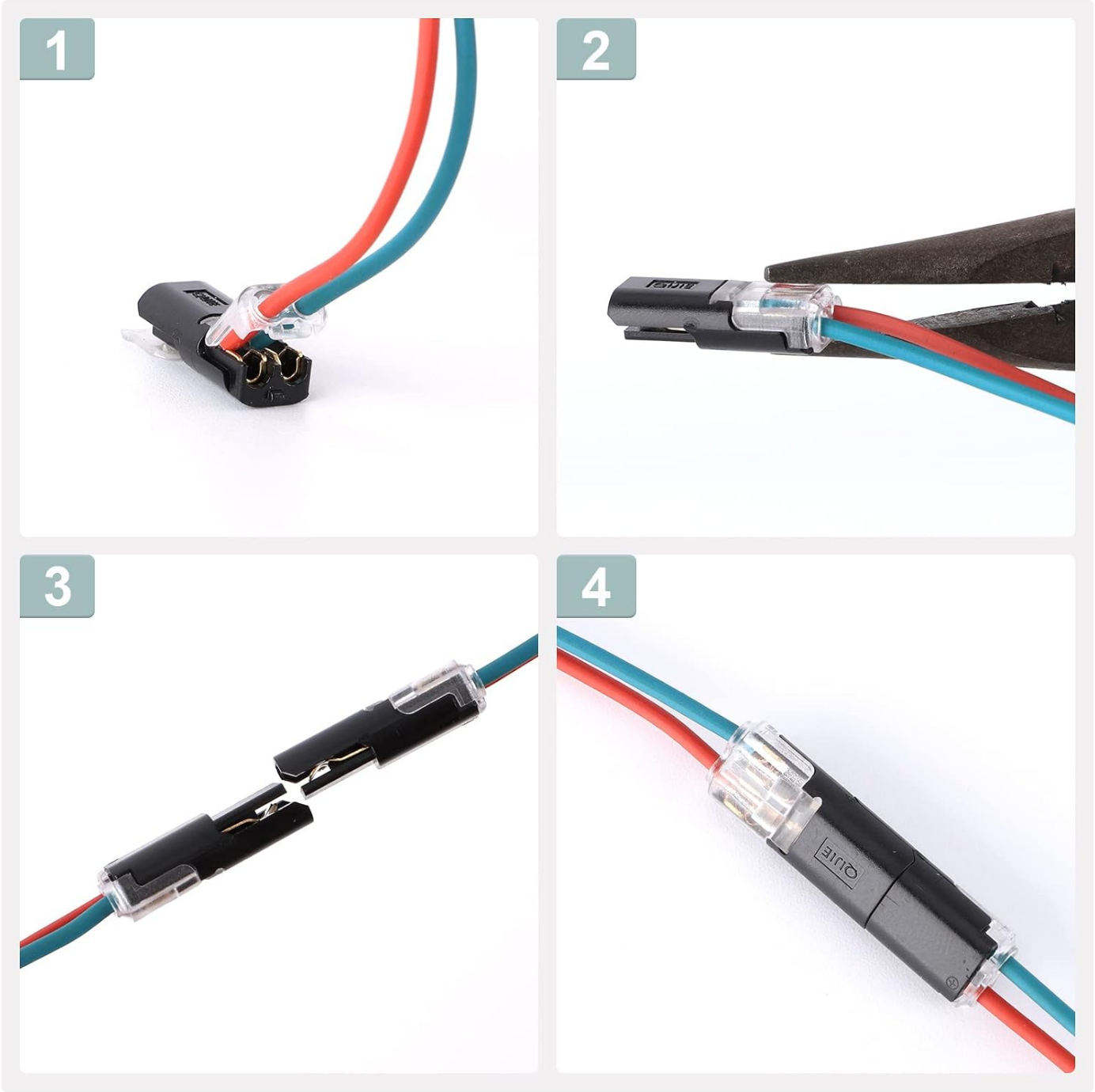


Image: A four-panel illustration demonstrating the process of stripping a wire, inserting it into the connector, securing it, and then connecting two halves of the connector.

Adjusting for Thicker Wires: If a wire is slightly thicker than standard, the internal ring of the connector can be carefully cut with scissors to adjust the fit. This allows for a wider range of wire gauges to be accommodated.



Image: A close-up view showing how to cut the internal ring of the connector with scissors to accommodate slightly thicker wires.

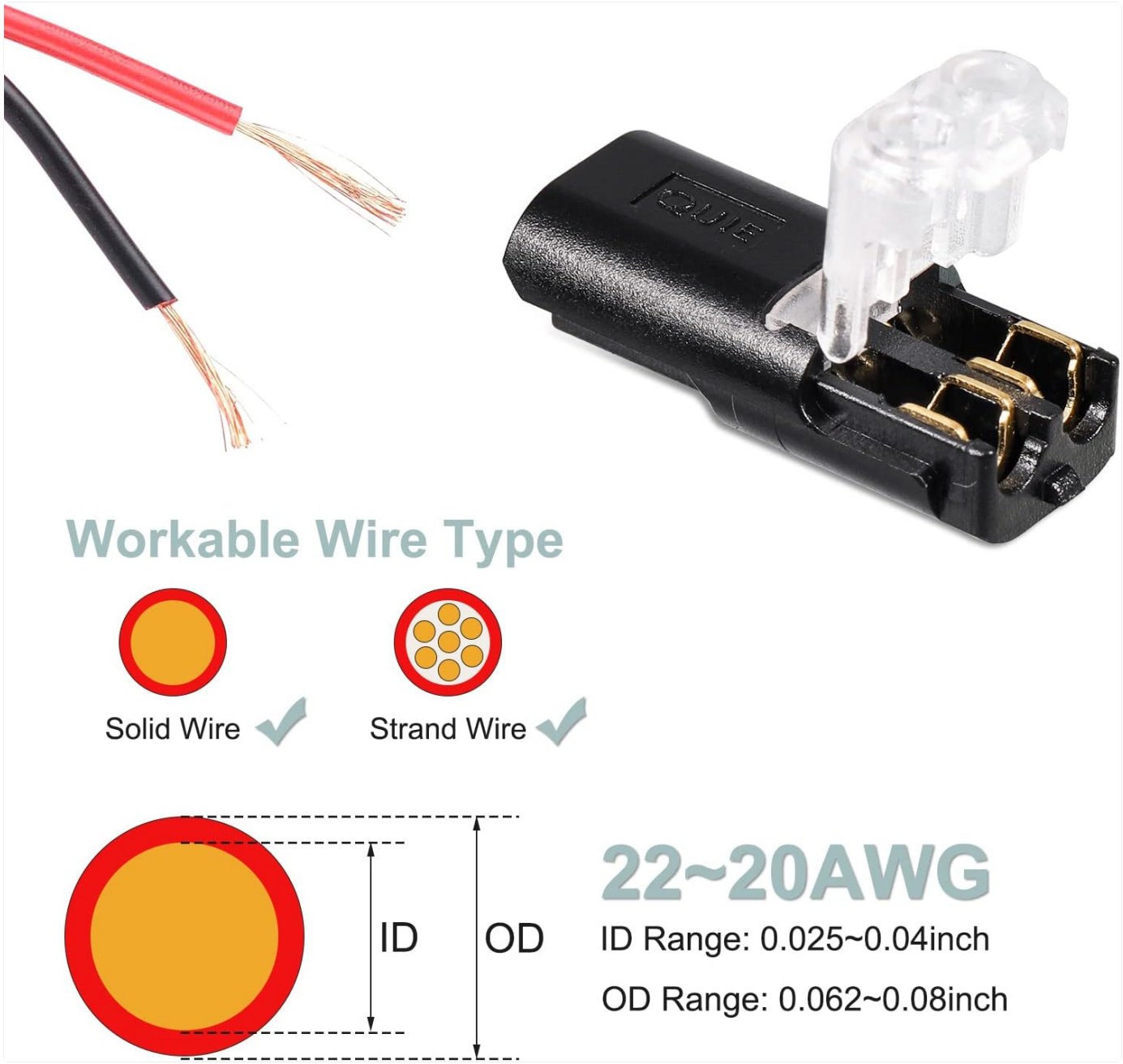


Image: Diagram illustrating compatible wire types (solid and strand) and their recommended dimensions (22-20 AWG, ID Range: 0.025-0.04 inch, OD Range: 0.062-0.08 inch).

Operation

Once wires are securely installed in the connectors, and the connectors are joined, the electrical connection is established. The transparent housing allows for visual inspection of the wire connections. These connectors are designed for low-voltage applications.



Image: The connector shown with red and blue wires securely connected, illustrating its function in a wiring setup.

The connectors are reusable. To disconnect a wire, simply lift the control valve to release the wire. To separate two joined connectors, pull them apart firmly.

Maintenance

The SAVITA Double-Wire Plug-In Connectors require minimal maintenance. They are constructed from durable PA66 nylon and copper, designed for long-term reliability.

- **Cleaning:** If necessary, gently wipe the exterior of the connectors with a dry, clean cloth. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically inspect connections for any signs of damage or loose wires, especially in environments subject to vibration or temperature changes.
- **Storage:** Store unused connectors in a dry, cool place away from direct sunlight and moisture.

Troubleshooting

Issue: Incorrect Polarity When Connecting Two Connectors

Description: When connecting two separate plug-in connectors, it is possible to inadvertently reverse the polarity if not careful, as the connectors are identical and can be flipped. This can lead to short circuits, sparks, or damage to connected devices, especially in low-voltage DC applications.
Solution:

- **Consistent Wiring:** Establish a consistent wiring convention (e.g., always use the left terminal for positive and the right for negative on the initial connector).
- **Visual Check:** Before mating two connectors, visually confirm that the positive and negative wires align correctly. If one connector needs to be flipped to mate, the polarity will reverse relative to the first connector.
- **Marking:** For critical applications, consider marking the positive and negative sides of your wires or connectors with a permanent marker to ensure correct alignment.
- **Testing:** After making connections, test the circuit with a multimeter before applying power to verify correct polarity.

Always exercise caution when working with electrical connections.

SPECIFICATIONS

Model Number	D37039-42
Part Number	96114
Material	PA66 Nylon, Copper
Wire Gauge Compatibility	0.3-0.5 square millimeters (approx. 22-20 AWG)
Mounting Type	Plug-in
Item Weight	1.13 ounces (for the package of 40pcs)
Dimensions (approx.)	21.8mm (0.85in) Length, 9.8mm (0.38in) Width, 6.15mm (0.24in) Height (per single connector)

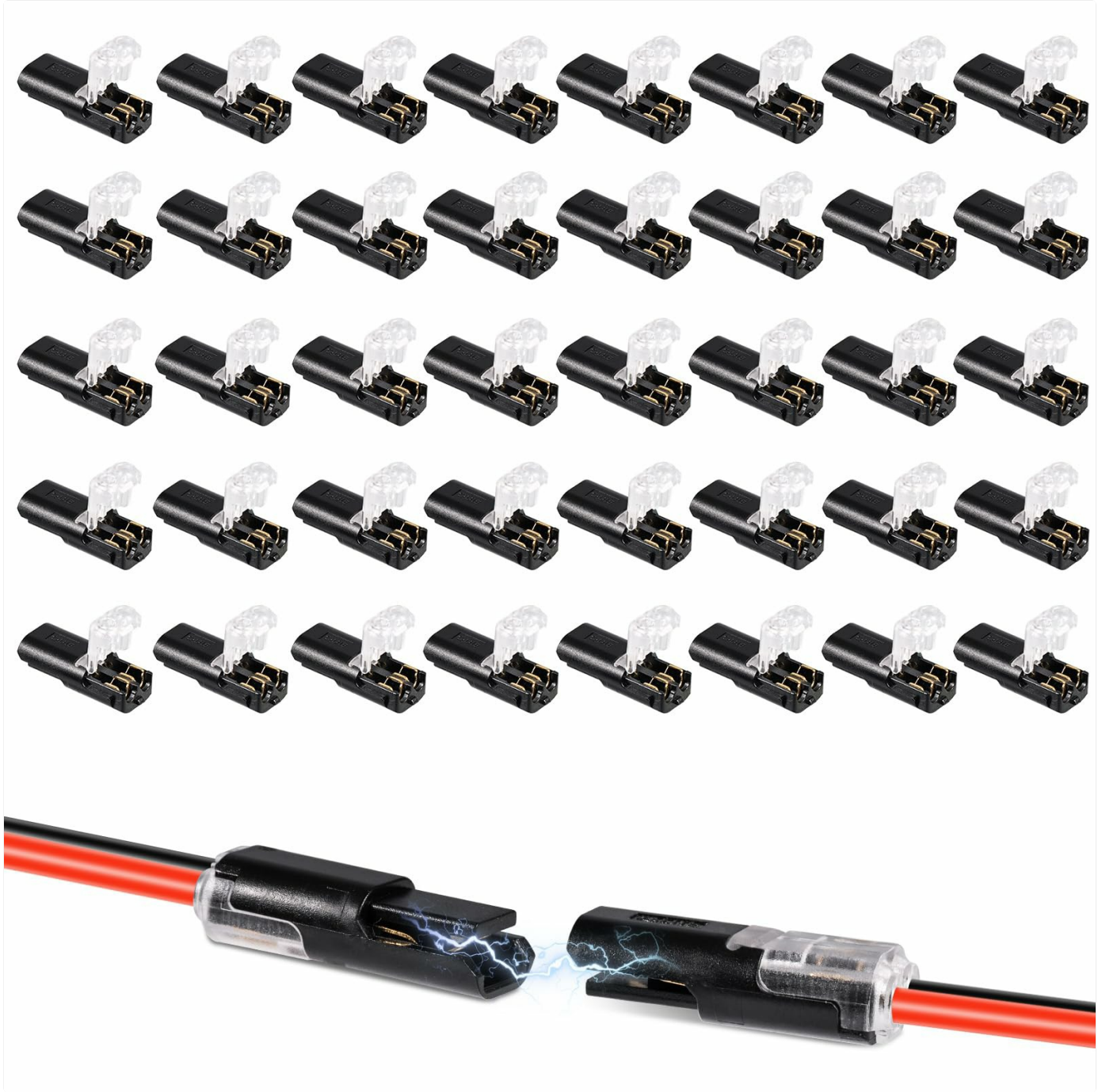


Image: Detailed dimensions of a single SAVITA Double-Wire Plug-In Connector, showing length, width, and height measurements.

Warranty Information

Specific warranty details for the SAVITA Double-Wire Plug-In Connector are not provided in this manual. For warranty inquiries, please refer to the product packaging or contact the retailer where the product was purchased. Keep your proof of purchase for any warranty claims.

Customer Support

For technical assistance or further questions regarding the SAVITA Double-Wire Plug-In Connector, please contact SAVITA customer service through the platform where the product was purchased. Provide your product model number (D37039-42) and a detailed description of your inquiry for efficient support.



Image: Examples of common applications for the connector, including ceiling fans, sockets, switches, speakers, and various lighting setups.

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