**de Buyer 1306115**

# de Buyer 1306115 Snow Plow Motor Power Cable Instruction Manual

Model: 1306115, Part Number: 15670

## Introduction

This manual provides essential information for the safe and effective use of the de Buyer 1306115 Snow Plow Motor Power Cable. This cable (part number 15670) is designed for use with Meyer and Diamond snowplow motor systems. Please read these instructions thoroughly before installation and operation to ensure proper function and longevity of the product.

## Safety Information

Always observe the following safety precautions when handling and installing electrical components:

- Ensure the vehicle's power system is completely off and disconnected before beginning any installation.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Verify that the cable specifications match the requirements of your snowplow motor system.
- Avoid pinching or damaging the cable during installation.
- Keep all electrical connections clean and free from corrosion.
- If you are unsure about any part of the installation process, consult a qualified technician.

## Product Overview

The 1306115 Snow Plow Motor Power Cable is a heavy-duty electrical cable designed to provide reliable power to your snowplow motor. It features robust connectors for secure attachment.




**Figure 1:** Overall view of the de Buyer 1306115 Snow Plow Motor Power Cable. This image displays the complete cable assembly, featuring both the red and black insulated wires. One end of the cable is equipped with ring terminals for secure attachment, while the other end has quick-connect plugs for easy connection to the motor system.



**Figure 2:** Close-up view of the quick-connect plugs on the de Buyer 1306115 Snow Plow Motor Power Cable. This image highlights the male and female quick-connect terminals, showing their design for a secure and efficient electrical connection. The red and black wires leading into these connectors are also visible.

## Specifications

| | |
|---|---|
| **Model Number** | 1306115 |
| **Part Number** | 15670 |
| **Connector Gender** | Male-to-Female |
| **Plug Format** | Type L |
| **Number of Conductors** | 2 |
| **Number of Outlets** | 1 |
| **Manufacturer** | Buyers Products |
| **GTIN/UPC** | 783322857452 |

## Setup and Installation

Before installation, ensure that the 1306115 power cable is compatible with your specific snowplow motor and vehicle electrical system. Refer to your snowplow's manual for specific wiring diagrams and requirements.

1. **Prepare the Vehicle:** Disconnect the vehicle's battery to prevent accidental electrical shorts during installation.
2. **Identify Connection Points:** Locate the power input terminals on your snowplow motor and the power output terminals on your vehicle's electrical system (typically the battery or a dedicated power distribution block).
3. **Connect Ring Terminals:** Attach the ring terminals of the 1306115 cable to the appropriate power source terminals. Ensure the red wire connects to the positive (+) terminal and the black wire connects to the negative (-) or ground terminal. Tighten all connections securely to prevent arcing and ensure good electrical contact.



**Figure 3:** Detail of a ring terminal, indicating its dimensions. The inner diameter is 5/16 inch, and the outer diameter is 3/4 inch. This ensures proper fitment to connection posts.

4. **Connect Quick-Connect Plugs:** Connect the quick-connect plugs of the 1306115 cable to the corresponding input on your snowplow motor. Ensure the connection is firm and fully seated.

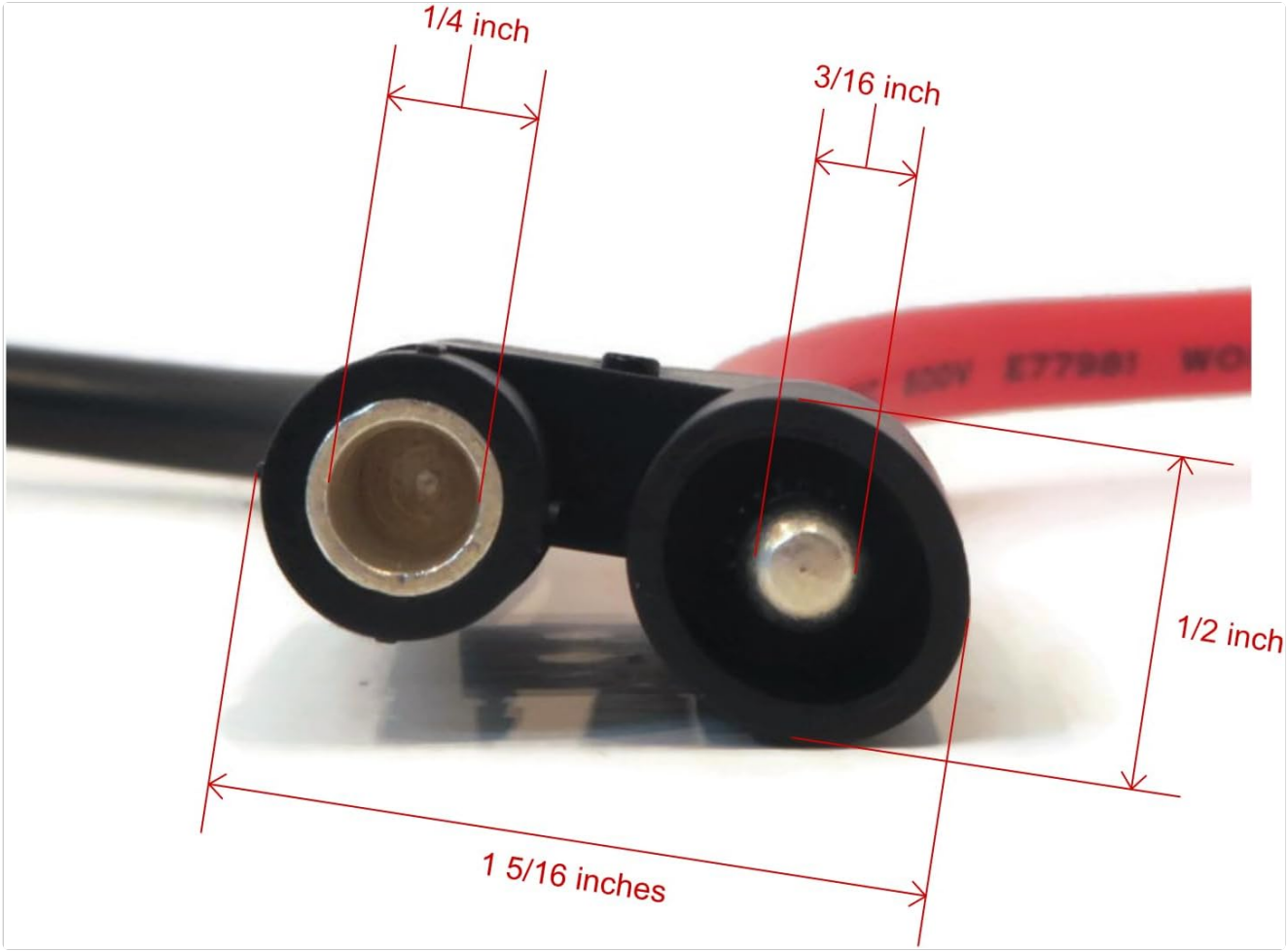



**Figure 4:** Detailed view of the quick-connect plugs with dimensions. The total width across both connectors is 1 5/16 inches. The male pin has a width of 1/4 inch, the female receptacle has a width of 3/16 inch, and the overall height of the connector assembly is 1/2 inch.

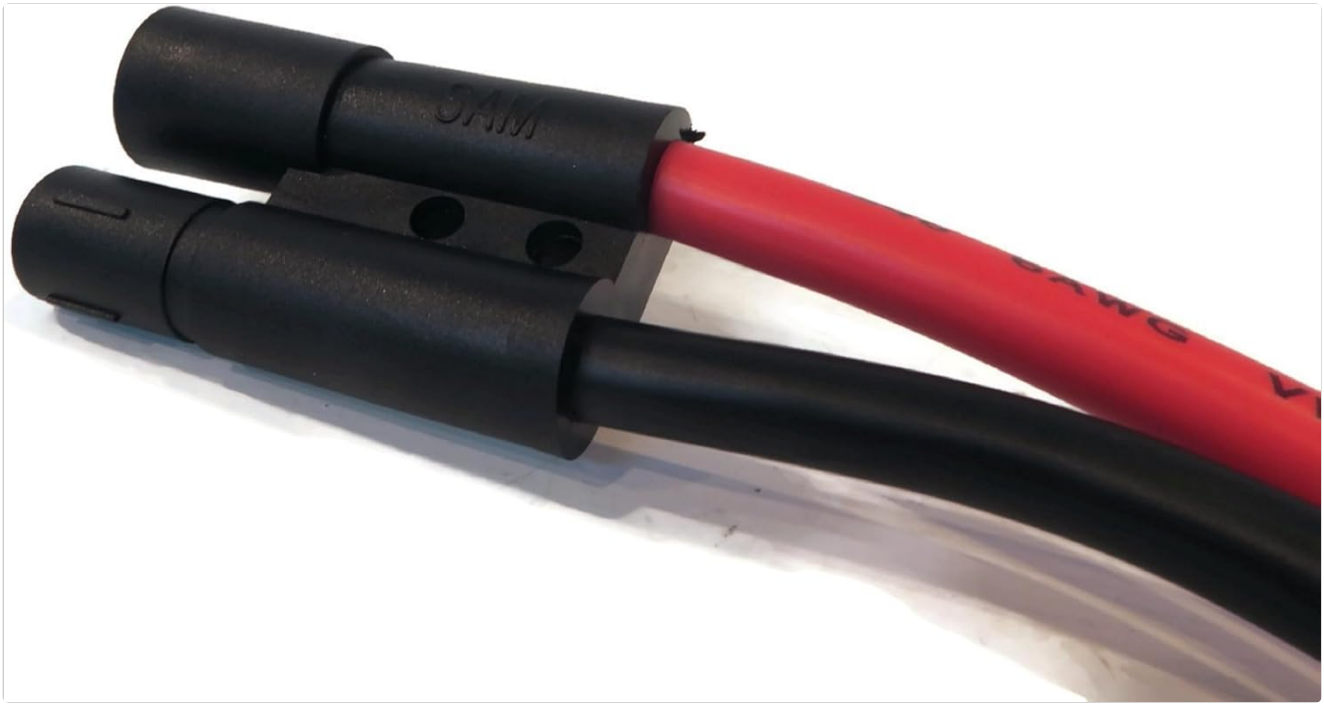


**Figure 5:** The quick-connect plugs shown in a fully engaged position. This image demonstrates how the male and female terminals securely connect, ensuring a stable electrical pathway.

5. **Secure the Cable:** Route the cable away from moving parts, sharp edges, and heat sources. Use cable ties or clamps to secure it firmly to the vehicle chassis, preventing it from snagging or becoming damaged.
6. **Reconnect Power:** Once all connections are secure and the cable is properly routed, reconnect the vehicle's battery.

7. **Test Functionality:** Test the snowplow motor to ensure it operates correctly.

## Operating Instructions

The 1306115 Snow Plow Motor Power Cable is designed for straightforward operation once installed. Its primary function is to transmit power from your vehicle's battery to the snowplow motor.

- Ensure all connections, especially the quick-connect plugs, are fully seated and secure before operating the snowplow.
- Regularly check the cable for any signs of damage or wear before each use.
- Operate your snowplow according to its manufacturer's instructions. The power cable facilitates the electrical connection required for the motor's function.

## Maintenance

Proper maintenance ensures the longevity and reliable performance of your power cable.

- **Regular Inspection:** Periodically inspect the entire length of the cable for cuts, abrasions, cracks, or any signs of insulation damage. Check the terminals for corrosion or looseness.
- **Cleaning:** Keep the cable and its connectors clean and free of dirt, debris, and moisture. Use a clean, dry cloth to wipe down the cable. For corroded terminals, disconnect power and use a wire brush and battery terminal cleaner.
- **Storage:** When not in use, especially during off-season, store the cable in a clean, dry place, away from extreme temperatures and direct sunlight. Avoid kinking or tightly coiling the cable.
- **Connection Integrity:** Ensure all connections remain tight and secure. Loose connections can lead to overheating and poor performance.

## Troubleshooting

If you experience issues with your snowplow motor's power supply, consider the following:

- **No Power to Motor:**
  - Check that the vehicle battery is fully charged and properly connected.
  - Inspect all cable connections (ring terminals and quick-connect plugs) for looseness or corrosion.
  - Verify that the cable itself is not damaged (cuts, breaks in insulation).
  - Check the vehicle's fuse box for any blown fuses related to the snowplow power circuit.
- **Intermittent Power:**
  - Ensure quick-connect plugs are fully seated and not vibrating loose during operation.
  - Inspect for any partial breaks in the cable or damaged insulation that might be causing intermittent contact.
  - Clean any corrosion from terminals that might be impeding consistent electrical flow.
- **Overheating Cable/Connectors:**
  - Immediately disconnect power.
  - This often indicates a loose connection or an undersized cable for the current draw. Ensure all connections are tight.
  - Verify the cable gauge is appropriate for your motor's power requirements.

If troubleshooting steps do not resolve the issue, contact customer support or a qualified technician.

## Warranty Information

This de Buyer 1306115 Snow Plow Motor Power Cable comes with a**1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, neglect, accidents, or unauthorized modifications. For warranty claims, please retain your proof of purchase and contact customer support.

## Customer Support

For technical assistance, questions regarding installation, or warranty inquiries, please contact the manufacturer, Buyers Products, or your authorized dealer. When contacting support, please have your product model number (1306115) and proof of purchase readily available.
You can often find contact information on the packaging or the manufacturer's official website.

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