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YESWELDER 8AWG-40FT

YESWELDER 40ft 250V 8 AWG Welder Extension Cord (NEMA 6-50P to 6-50R) User Manual

Model: 8AWG-40FT

1. Product Overview

The YESWELDER 40ft 250 Volt Welder Extension Cord is designed to provide extended reach for welding machines, ensuring a safe and reliable power connection. This heavy-duty cord features 8 AWG (American Wire Gauge) conductors, a NEMA 6-50P male plug, and a NEMA 6-50R female receptacle, suitable for various welding applications.



Image 1: The YESWELDER 40ft 250 Volt Welder Extension Cord, coiled for storage, showing both the male plug and female receptacle.

2. Safety Information

Always prioritize safety when using electrical equipment. Read and understand all instructions before use. Failure to follow these safety guidelines may result in electric shock, fire, or serious injury.

- **Inspect Before Use:** Thoroughly inspect the cord for any damage, cuts, or exposed wires before each use. Do not use a damaged cord.
- **Proper Connection:** Ensure the cord is fully plugged into both the power source and the welding machine. A loose connection can cause overheating.
- **Avoid Overloading:** Do not exceed the cord's rated capacity of 40A and 250V. Check the wattage requirements of your welding machine.
- **Indoor/Outdoor Use:** The STW jacket provides resistance to splash water and is suitable for both indoor and outdoor use. However, avoid submerging the cord in water or using it in excessively wet conditions.
- **Temperature Range:** The cord is designed to operate in temperatures ranging from -40°C to +90°C (-40°F to 194°F).

- **Placement:** Do not run the cord through doorways, holes in ceilings, walls, or other areas where it could be pinched or damaged. Avoid placing heavy objects on the cord.
- **Polarized Cord:** This is a polarized cord. Ensure proper orientation when plugging in.
- **Disconnect Safely:** Always grasp the plug to remove it from the outlet. Never pull on the cord itself.



Image 2: The extension cord features ETL Listing, indicating compliance with North American safety standards.

3. Setup and Connection

Follow these steps to properly set up and connect your YESWELDER extension cord:

1. **Uncoil the Cord:** Carefully uncoil the entire length of the extension cord to prevent kinks or damage.
2. **Identify Connectors:** Locate the NEMA 6-50P male plug (three prongs) and the NEMA 6-50R female receptacle (three slots).
3. **Connect to Power Source:** Insert the NEMA 6-50P male plug into a compatible 250V NEMA 6-50R wall outlet. Ensure it is firmly seated.

4. **Connect to Welding Machine:** Plug your welding machine's power cord into the NEMA 6-50R female receptacle of the extension cord. Ensure a secure connection.
5. **Verify Connection:** Confirm that both connections are tight and there are no gaps. The lighted end on the receptacle will illuminate when power is flowing, indicating a proper connection.



Image 3: Diagram illustrating the NEMA 6-50P male plug and NEMA 6-50R female receptacle for universal fit with most welders.

4. Operation

Once properly connected, the extension cord provides power to your welding machine. Always ensure your welding machine is turned OFF before connecting or disconnecting the extension cord.

- **Power Indicator:** The female receptacle features a built-in light that illuminates when power is present, confirming the cord is active.
- **Flexibility:** The STW jacket and annealed bare copper conductors provide flexibility, making the cord easy to maneuver around your workspace.
- **Environmental Conditions:** The heavy-duty design and STW jacket allow for use in various conditions, resisting

splash water and maintaining flexibility across a wide temperature range.



Image 4: The extension cord connected between a welding machine and a wall outlet, demonstrating its universal fit.

5. Maintenance and Care

Regular maintenance ensures the longevity and safe operation of your extension cord:

- **Regular Inspection:** Periodically check the entire length of the cord, including the plugs and receptacles, for any signs of wear, cuts, cracks, or discoloration.
- **Cleaning:** Keep the cord clean and free from dirt, oil, and grease. Use a damp cloth to wipe it down if necessary. Ensure the cord is unplugged before cleaning.
- **Storage:** When not in use, coil the cord neatly and store it in a dry, cool place away from direct sunlight and extreme temperatures. Avoid tight coiling that could damage the internal wires.
- **Avoid Damage:** Do not drive over the cord, drag it across sharp edges, or expose it to corrosive materials.



Image 5: A detailed view of the NEMA 6-50R receptacle and NEMA 6-50P plug, highlighting their robust construction.

6. Troubleshooting

If you encounter issues with your extension cord, consider the following:

- **No Power:**
  - Check if the wall outlet is live by testing it with another device.
  - Ensure both the male plug and female receptacle are fully and securely connected.
  - Verify that the circuit breaker for the outlet has not tripped.
  - Inspect the cord for visible damage.
- **Overheating:**
  - Ensure the welding machine's power requirements do not exceed the cord's 40A rating.
  - Check for loose connections, which can generate heat.
  - Ensure the cord is not coiled tightly during operation, as this can trap heat.

- **Intermittent Power:**
  - Check for loose connections at both ends.
  - Inspect the cord for internal damage that might not be visible externally. If suspected, discontinue use.

If problems persist after troubleshooting, contact customer support.

7. Specifications

Feature	Detail
Model Number	8AWG-40FT
Cord Length	40 feet (480 inches)
Wire Gauge	8 AWG
Voltage Rating	250 Volts
Current Rating	40 Amps
Wattage	10000 watts
Plug Type	NEMA 6-50P (Male)
Receptacle Type	NEMA 6-50R (Female)
Number of Conductors	3
Jacket Type	STW (Hard service cord, Thermoplastic insulation, Weather approved)
Operating Temperature	-40°C to +90°C (-40°F to 194°F)
Certifications	UL Listed, ETL Listed
Color	Black

8. Warranty and Support

Warranty: The YESWELDER 40ft 250 Volt Welder Extension Cord comes with a 1-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

Customer Support: For any questions, technical assistance, or warranty claims, please contact YESWELDER customer support. Refer to the product packaging or the official YESWELDER website for contact information.

Online Resources: Visit the official YESWELDER website for additional product information, FAQs, and support resources: YESWELDER Store

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