

# 1/C CU 2000V EPDM/CPE Type W RHH/RHW-2 Industrial Grade Cable 90°C. MSHA Approved

Flexible Copper Conductors, Ethylene Propylene Diene Monomer (EPDM) Insulation, Single Layer Chlorinated Polyethylene (CPE) Jacket. Type RHH/RHW-2 90°C Wet and Dry



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Bare, soft drawn, annealed, flexible, rope-lay stranded copper per ASTM B3/B172
2. **Separator Tape:** Non-conducting tape applied between the conductor and insulation to facilitate stripping
3. **Insulation:** Ethylene Propylene Diene Monomer (EPDM)
4. **Reinforcement Binder:** Reinforcing twine.
5. **Jacket:** Black, flame resistant, thermosetting Chlorinated Polyethylene (CPE)

## APPLICATIONS AND FEATURES:

Southwire Type W cable is a heavy-duty industrial cable for use in flexible, portable, and extra-hard usage applications per NEC Article 400. Suitable for continuous submersion in water ideal for submersible pumps. Also suitable for use in light to medium-duty mining applications. Sunlight and oil resistant. Highly flexible and easy to work with in cold conditions. Approved for use per the NEC® as Type RHH/RHW-2 90°C wet or dry. Meets FT-1 and FT-5 Flame Tests.

## SPECIFICATIONS:

- ASTM B3 Standard Specification for Soft or Annealed Copper Wire
- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors
- UL 44 Thermoset-Insulated Wires and Cables
- UL 1650 Standard for Portable Power Cable
- MSHA Approved
- RoHS-2 (European Directive 2011/65/EU)

## SAMPLE PRINT LEGEND:

AMERICAN MUSTANG # AWG 1/C TYPE W PORTABLE POWER CABLE 90°C - WET OR DRY 2000V OIL AND SUN. RES. RHH/RHW-2 AIWTM (UL) P-136-35-MSHA cUL FT1/FT5 -40°C FOR HARD USAGE ONLY RoHS



**Table 1 – Weights and Measurements**

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Conductor	Insul. Thickness	Diameter Over Insulation	Jacket Thickness	Approx. OD	Approx. Weight
	AWG/ Kcmil	No.	No.	inch	mil	inch	mil	inch	lb/1000ft
641402	4/0	1	532	0.535	80	0.709	90	0.901	890

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

^ class H stranding

**Table 2 – Electrical and Engineering Data**

Stock Number	Cond. Size	Cond. Number	DC Resistance @ 25°C	AC Resistance @ 90°C	Min Bending Radius	Allowable Ampacity In Air 60°C†	Allowable Ampacity In Air 75°C†	Allowable Ampacity In Air 90°C†
	AWG/ Kcmil	No.	Ω/1000ft	Ω/1000ft	inch	Amp	Amp	Amp
641402	4/0	1	0.05	0.07	3.6	192	230	260

^ class H stranding

† Ampacities are based on Table 310.15 (B)(16) of the NEC, 2014 Edition. Ampacities of insulated conductors rated up to and including 2000 Volts, based on ambient temperature of 30°C (86°F)

MBR is based on an operating voltage of less than or equal to 1000 volts. MBR for operating voltages above 1000 Volt is 8 X OD per NEC 300.34.

