

# CU 2000V XLPE Insulation. RHH/RHW-2 USE-2

Power Cable 2000 Volt Single Conductor Copper, Cross Linked Polyethylene (XLPE) Insulation RHH/RHW-2 USE-2

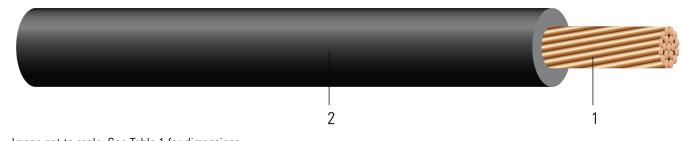


Image not to scale. See Table 1 for dimensions.

## **CONSTRUCTION:**

- 1. Conductor: Class B compressed stranded bare copper per ASTM B3 and B8
- 2. Insulation: Cross Linked Polyethylene (XLPE) Type RHH/RHW-2

# **APPLICATIONS AND FEATURES:**

Southwire's 2000 Volt power cables are suited for use in wet and dry areas, conduits, ducts, troughs, trays, aerial supported by a messenger, and where superior electrical properties are desired. These cables are capable of operating continuously at the conductor temperature not in excess of 90°C for normal operation in wet and dry locations, 130°C for emergency overload, and 250°C for short circuit conditions.

## **SPECIFICATIONS**:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 44 Thermoset-Insulated Wires and Cables
- UL 854 Service Entrance Cable
- UL 1685 Vertical-Tray Fire Propagation and Smoke Release Test
- ICEA S-95-658 (NEMA WC70) Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy

#### **SAMPLE PRINT LEGEND:**

{SQFTG} SOUTHWIRE E32071 {UL} XXX AWG or KCMIL (XXX{mm2}) CU TYPE USE-2 OR RHH OR RHW-2 XX MILS XLP FOR CT USE SUN. RES. VW-1 2000 VOLTS {NOM}-ANCE

#### Table 1 – Weights and Measurements

Cond. Size	Cond. Number	Strand Count	Diameter Over Conductor	Insul. Thickness	Approx. OD	Copper Weight	Approx. Weight
AWG/Kcmil		No. of Strands	inch	mil	inch	lb/1000ft	lb/1000ft
4/0	1	19	0.512	90	0.692	653	741

All dimensions are nominal and subject to normal manufacturing tolerances

♦ Cable marked with this symbol is a standard stock item

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

# **Table 2 – Electrical and Engineering Data**

4/0	1	2.7	1692	0.051	0.062	0.041	230	260			
* Amonghing based upon 2022 NEC Table 210.16. See NEC continue 210.15 and 110.1//C) for additional requirements											

\* Ampacities based upon 2023 NEC Table 310.16. See NEC sections 310.15 and 110.14(C) for additional requirements.
\* Inductive Reactance is based on non-ferrous conduit with one diameter spacing center-to-center.

Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com