

# 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

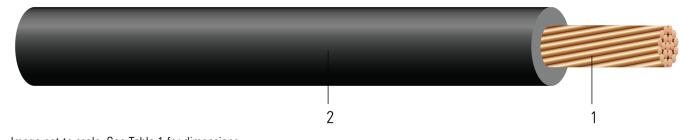


Image not to scale. See Table 1 for dimensions.

### **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      |
| 3/0        | 1            | 19             | 0.456                   | 90               | 0.636      | 518           | 598            |

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**

| 3/0  | 1 | 2.5 | 1342 | 0.064 | 0.078 | 0.042 | 200 | 225 |  |  |  |
|--|---|-----|------|-------|-------|-------|-----|-----|--|--|--|
| * Amongiting based upon 2022 NEC Table 210.16. See NEC agations 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.

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