# CU 2000V EPR Insulation Thermoset CPE-TS Jacket. RHH/RHW-2

Power Cable 2000 Volt Single Conductor Copper, Ethylene Propylene Rubber (EPR) insulation RHH/RHW-2 Thermoset Chlorinated Polyethylene (CPE-TS) Jacket




Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Class B compressed stranded bare copper per ASTM B3 and B8 or class B compressed stranded tinned copper per ASTM B33 and B8
2. **Binder Tape:** Mylar Tape
3. **Insulation:** Ethylene Propylene Rubber (EPR) Type RHH/RHW-2
4. **Overall Jacket:** Cross-linked/Thermoset Chlorinated Polyethylene (CPE-TS) Jacket

## 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
- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- UL 44 Thermoset-Insulated Wires and Cables
- 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
- CT USE Sizes 1/0 AWG and Larger

## SAMPLE PRINT LEGEND:

{SQFTG} SOUTHWIRE {UL} XXXX KCMIL CU TYPE RHH OR RHW-2 XX MILS EPR XX MILS THERMOSET CPE FOR CT USE SUN RESISTANT 2000 VOLT CABLE

### Table 1 – Weights and Measurements

| Cond. Size | Cond. Number | Strand Count | Diameter Over Conductor | Insul. Thickness | Jacket Thickness | Approx. OD | Copper Weight | Approx. Weight |
|---|---|---|---|---|---|---|---|---|
| AWG/Kcmil | | No. of Strands | inch | mil | mil | inch | lb/1000ft | lb/1000ft |
| 10 | 1 | 7 | 0.113 | 45 | 15 | 0.233 | 32 | 48 |

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item


Copyright © 2026 Southwire Company, LLC. All Rights Reserved

^ Tinned Copper Conductor

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

| Cond. Size | Cond. Number | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity At 75°C | Allowable Ampacity At 90°C |
|---|---|---|---|---|---|---|---|---|
| AWG/ Kcmil | | inch | lb | Ω/1000ft | Ω/1000ft | Ω/1000ft | Amp | Amp |
| 10 | 1 | 0.9 | 83 | 1.04 | 1.253 | 0.05 | 35 | 40 |

* 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.



Copyright © 2026 Southwire Company, LLC. All Rights Reserved