# 300V ROYAL® SJOOW Cord with Black Jacket 90°C.

300 Volt, 90°C Flexible Cord. Heat, Moisture and Oil Resistant EPDM Rubber Insulation and Sunlight, Heat, Moisture and Oil Resistant Flexible CPE Jacket

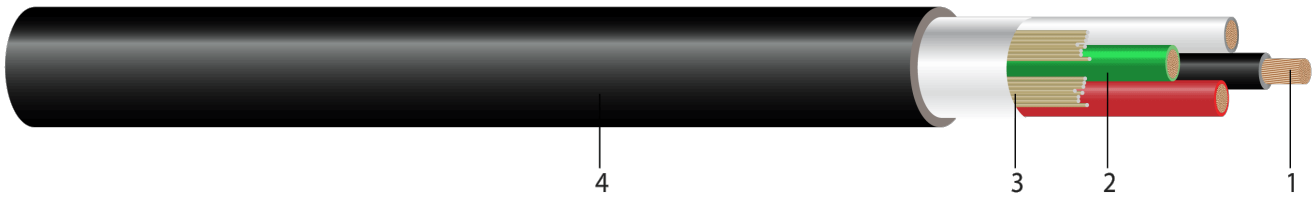



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Class K stranded bare copper per ASTM B-174
2. **Insulation:** Heat, moisture and oil resistant EPDM
3. **Filler:** Waxed paper fillers, with a tissue-paper separator wrapped around the assembly
4. **Jacket:** Black Sunlight, Heat, Moisture and Oil Resistant Flexible CPE (Other colors available upon request)

## APPLICATIONS AND FEATURES:

Southwire Type SJOOW Flexible Cords UL/ CSA listed are permitted for use as specified by Article 400 and related articles of the 2014 National Electrical Code. The cable is rated -40°C to 90°C, water, oil, and weather resistant, designed for hard usage on industrial equipment, heavy tools, battery chargers, portable lights welding leads, marine dockside power, power extensions and mining applications.

## SPECIFICATIONS:

- UL 62 Flexible Cords and Cables
- CSA C22.2 No. 49 Flexible Cords and Cables
- Passes CSA FT2 Flame Test
- RoHS-3 Complies with European Directive 2015/863
- NEC Article 400 Flexible Cords, Cables and Fixture Wire
- NEC Article 501.140 Class I Division 2
- Federal Specification J-C-580B

## SAMPLE PRINT LEGEND:

SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm2) SJOOW E46194 (UL) 300V -40C TO 90C -- CSA LL90458 SJOOW 300V -40C TO 90C FT2 WATER RESISTANT

## PACKAGING:

Standard lengths: 250', 500' and 1,000' reels. Other lengths available upon request.


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## Table 1 – Weights and Measurements

| Stock Number | Cond. Size | Cond. Number | Cond. Strands | Insul. Thickness | Jacket Thickness | Approx. OD | Approx. Weight | Ampacity | DC Resistance | Insul. Color | Jacket Color |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AWG/ Kcmil | No. | No. | mil | mil | inch | lb/1000ft | Amp | Ω/1000ft | | |
| 558116 | 18 | 2 | 16 | 30 | 40 | 0.288 | 51 | 10 | 6.659 | BK,WE | BK |

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
* Ampacities are based on TABLE 400.5(A)(1) of the 2023 National Electrical Code and CEC Table 12.
** Not a Federal and Military Specification JC-580B
***No Fillers or Separator
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 – Weights and Measurements (Metric)

| Stock Number | Cond. Size | Cond. Number | Cond. Strands | Insul. Thickness | Jacket Thickness | Approx. OD | Approx. Weight | Ampacity * | DC Resistance | Insul. Color | Jacket Color |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AWG/ Kcmil | No. | No. | mm | mm | mm | kg/km | Amp | Ω/km | | |
| 558116 | 18 | 2 | 16 | 0.76 | 1.02 | 7.32 | 76 | 10 | 21.85 | BK,WE | BK |

* Ampacities are based on TABLE 400.5(A)(1) of the 2023 National Electrical Code and CEC Table 12.


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