

## 300V ROYAL® SJ00W Cord with Black Jacket 90°C

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

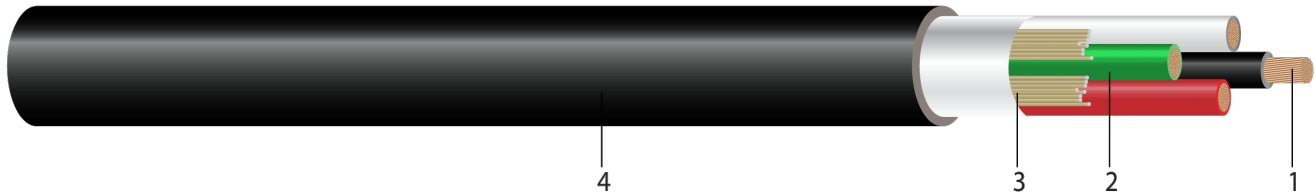


Image not to scale. See Table 1 for dimensions.

### 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 CPE (Other colors available upon request)

### APPLICATIONS AND FEATURES:

Southwire Type SJ00W 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
- MSHA flame test - P07-KA070018-1MSHA
- Passes CSA FT2 Flame Test
- RoHS-2 (European Directive 2011/65/EU)
- 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 (XXmm<sup>2</sup>) SJ00W E46194 (UL) 300V -40C TO 90C -- CSA LL90458 SJ00W 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 | CCI Part # | Cond. Size | Cond. Number | Cond. Strands | Insul. Thickness | Approx. OD | Approx. Weight | Ampacity * | DC Resistance |
|--------------|------------|------------|--------------|---------------|------------------|------------|----------------|------------|---------------|
|              |            | AWG/Kcmil  | Count        | # x AWG       | mil              | inch       | lb/1000ft      | Amp        | Ω/1000ft      |
| 558124       | 823428     | 12**       | 4            | 65/30         | 30               | 0.47       | 150            | 20         | 1.61          |

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) of the 2014 National Electrical Code and CEC Table 12. \*\* Not a Federal and Military Specification JC-580B

**Table 2 – Weights and Measurements (Metric)**

| Stock Number | CCI Part # | Cond. Size | Cond. Number | Cond. Strands | Insul. Thickness | Approx. OD | Approx. Weight | Ampacity * | DC Resistance |
|--------------|------------|------------|--------------|---------------|------------------|------------|----------------|------------|---------------|
|              |            | AWG/Kcmil  | Count        | # x AWG       | mm               | mm         | kg/km          | Amp        | Ω/km          |
| 558124       | 823428     | 12**       | 4            | 65/30         | 0.76             | 11.94      | 223            | 20         | 5.28          |

**Color Code**

| # of Conductor | Color Sequence           |
|----------------|--------------------------|
| 2              | Black, White             |
| 3              | Black, White, Green      |
| 4              | Black, White, Red, Green |



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