# 600V ROYAL® SOOW Cord with Black Jacket 90°C. MSHA Approved

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

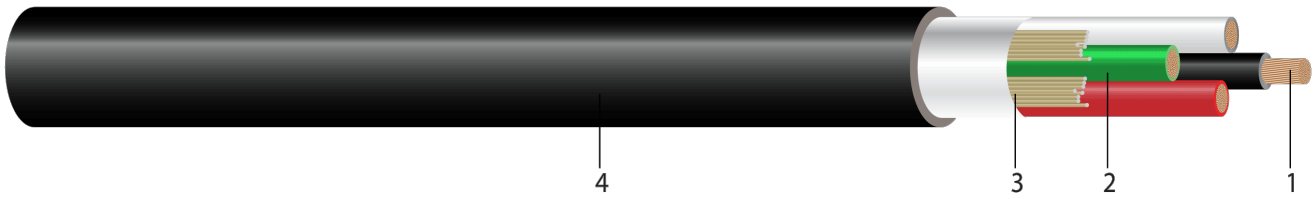



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Class K stranded bare copper per ASTM B3 and B174
2. **Insulation:** Heat, moisture, and oil resistant EPDM
3. **Filler:** Waxed paper or rubber fillers, with a full cotton serve or paper separator wrapped around the assembly
4. **Jacket:** Heat, moisture, and oil resistant flexible black Chlorinated Polyethylene (CPE)

## APPLICATIONS AND FEATURES:

Southwire Type SOOW Flexible Cords UL/ CSA listed are permitted for use as specified by Article 400 and related articles of the 2023 National Electrical Code. The cable is rated -40°C to 90°C, sunlight, water, oil, and weather resistant. Southwire Type SOOW Flexible Cords are designed for extra hard usage on industrial equipment, heavy tools, battery chargers, portable lights, welding leads, marine dockside power, power extensions and mining applications.

## SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- UL 62 Flexible Cords and Cables
- CSA C22.2 No. 49 Flexible Cords and Cables
- MSHA Approved
- MSHA flame test - P-07-KA190005-MSHA
- Passes CSA FT2 Flame Test
- RoHS-3 Complies with European Directive 2015/863
- NEC Article 400 Flexible Cords, Cables and Fixture Wire
- Federal Specification J-C-580B

## SAMPLE PRINT LEGEND:

{SQFTG} SOUTHWIRE® ROYAL® CORD 3/C XX AWG (X.XXX{mm2}) SOOW E46194 {UL} 600V -40°C TO 90°C -- {CSA} LL90458 SOOW 600V -40°C TO 90°C FT1, FT2 WATER RESISTANT {NOM}-ANCE -- {MSHA}

## 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 | | |
| 558141◊ | 10 | 2 | 104 | 45 | 105 | 0.63 | 228 | 30 | 1.04 | 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.

## 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 | | |
| 558141◊ | 10 | 2 | 104 | 1.14 | 2.67 | 16.00 | 339 | 30 | 3.41 | 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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