# 600V ROYAL® SOOW Power Cord Non-UL/CSA with Black Jacket 90°C. MSHA Approved

600 Volt, 90°C Flexible Cord. Heat, Moisture and Oil Resistant EPDM Rubber Insulation and Heat, Moisture and Oil Resistant Flexible CPE Jacket, Non-UL / Non-CSA.

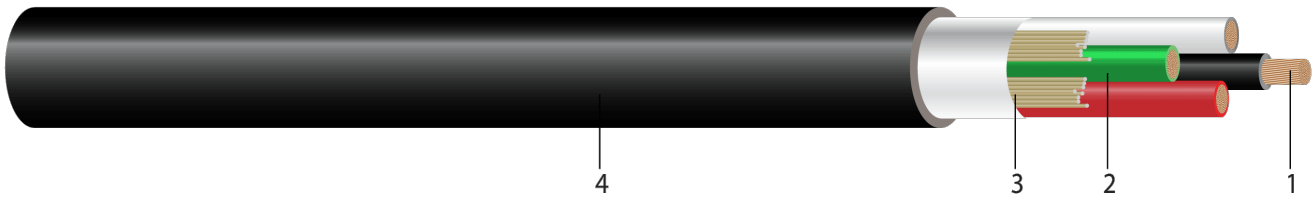



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Class K flexible stranded bare copper per ASTM B3 and B174
2. **Insulation:** Heat, moisture, and oil resistant EPDM
3. **Filler:** Waxed paper fillers
4. **Jacket:** Black Chlorinated Polyethylene (CPE) (other colors available upon request)

## APPLICATIONS AND FEATURES:

Southwire Royal® Non-UL/Non-CSA SOOW cord is designed for use with industrial equipment, heavy tools, battery chargers, portable lights and power extensions, suitable for outdoor applications. The cable is rated -40°C to 90°C, sunlight, water, oil, and weather resistant. Southwire Type SOOW Flexible Cords are permitted for use as specified by Article 400 and related articles of the 2023 National Electrical Code.

## SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- MSHA flame test - P-07-KA190005-MSHA
- 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:

SOUTHWIRE® ROYAL® CORD X/C X AWG (X.XXmm2) SOOW 600V -40C TO 90C

## 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 | | |
| 558088 | 8 | 3 | 133 | 45 | 75 | 0.645 | 290 | 35 | 0.708 | BK,WE,GN | 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.
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 | | |
| 558088 | 8 | 3 | 133 | 1.14 | 1.91 | 16.38 | 432 | 35 | 2.32 | BK,WE,GN | BK |

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


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