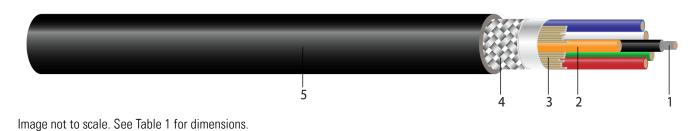


# 600V ROYAL® Shielded SOOW with Black Jacket 90°C. Silicone-Free

Rated -40°C to 90°C. Class K copper conductor. Heat, moisture and oil resistant EPDM rubber insulation. Heat, moisture and oil resistant flexible CPE jacket.



## **CONSTRUCTION:**

- 1. **Conductor:** Tinned flexible stranded Class K copper conductors
- 2. Insulation: Heat, moisture and oil resistant EPDM
- 3. Filler: Non-wicking wax paper fillers, with a tissue-paper separator wrapped around the assembly
- 4. Shield: Tinned CU braid shielding
- 5. Jacket: Heat, moisture and oil resistant flexible CPE jacket

#### **APPLICATIONS AND FEATURES:**

Southwire Type SOOW Flexible Cords are permitted for use as specified by Article 400 and related articles of the 2014 National Electrical Code. 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:**

- UL 62 Flexible Cords and Cables
- CSA C22.2 No. 49 Flexible Cords and Cables
- ICEA S-58-679 Control Cable Conductor Identification Method 1 Table 1
- MSHA flame test P07-KA070018-1MSHA
- 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
- OSHA Acceptable

## Table 1 – Weights and Measurements

| Stock<br>Number | Cond. Size    | Cond.<br>Number | Cond.<br>Strands | Insul.<br>Thickness | Jacket<br>Thickness | Approx.<br>OD | Approx.<br>Weight | Ampacity | Insul. Color | Jacket<br>Color |
|-----------------|---------------|-----------------|------------------|---------------------|---------------------|---------------|-------------------|----------|--------------|-----------------|
|                 | AWG/<br>Kcmil | No.             | No.              | mil                 | mil                 | inch          | lb/1000ft         | Amp      |              |                 |
| 570027          | 16            | 4               | 26               | 30                  | 60                  | 0.445         | 146               | 8        | BK,WE,RD,GN  | BK              |

All dimensions are nominal and subject to normal manufacturing tolerances

 $\$  Cable marked with this symbol is a standard stock item

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.



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com



# Table 2 – Weights and Measurements (Metric)

| Stock<br>Number | Cond. Size    | Cond.<br>Number | Cond.<br>Strands | Insul.<br>Thickness | Jacket<br>Thickness | Approx.<br>OD | Approx.<br>Weight | Ampacity | Insul. Color | Jacket<br>Color |
|-----------------|---------------|-----------------|------------------|---------------------|---------------------|---------------|-------------------|----------|--------------|-----------------|
|                 | AWG/<br>Kcmil | No.             | No.              | mm                  | mm                  | mm            | kg/km             | Amp      |              |                 |
| 570027          | 16            | 4               | 26               | 0.76                | 1.52                | 11.30         | 217               | 8        | BK,WE,RD,GN  | BK              |

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

Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com