

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

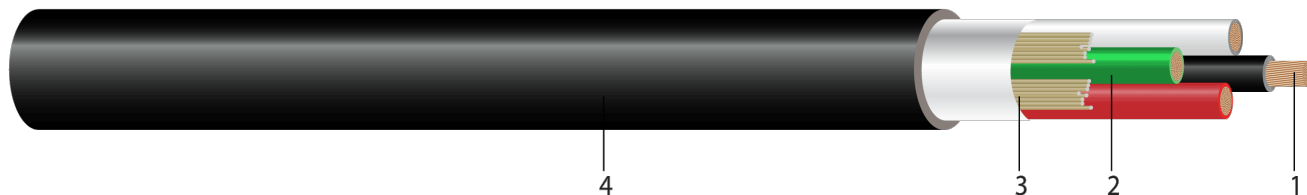


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** Class K stranded bare copper per ASTM B-174
2. **Insulation:** Heat, moisture and oil resistant EPDM
3. **Filler:** Waxed paper fillers
4. **Jacket:** Black 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 2014 National Electrical Code.

### SPECIFICATIONS:

- ASTM B3 Standard Specification for Soft or Annealed Copper Wire
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- MSHA flame test - P07-KA070018-1MSHA
- RoHS-2 (European Directive 2011/65/EU)
- 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.XXmm<sup>2</sup>) SOOW 600V -40C TO 90C

### PACKAGING:

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



**Table 1 – Weights and Measurements**

Stock Number	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *
		AWG/Kcmil	Count	# x AWG	mil	mil	inch	lb/1000ft	Amp
569972	822220	8	2	133	45	75	0.615	218	40
558088	822320	8	3	133	45	75	0.645	289	40
558093	822420	8	4	133	45	75	0.711	377	35
558105	822470	8	5	133	45	105	0.834	492	28
569973	822221	6	2	133	45	100	0.721	335	55
558092	822321	6	3	133	45	90	0.726	418	55
558091	822421	6	4	133	45	95	0.803	549	45
558161	822521	6	5	133	45	110	0.937	702	36
558137	822322	4	3	133	45	95	0.825	589	70
558090	822422	4	4	133	45	100	0.950	761	60
569975	822552	4	5	133	45	155	1.155	1132	48
558136	822323	2	3	168	45	115	1.090	1035	95
558089	822423	2	4	168	45	130	1.290	1327	80
569976	822553	2	5	168	45	120	1.373	1681	64

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.

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

Stock Number	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *
		AWG/Kcmil	Count	# x AWG	mm	mm	mm	kg/km	Amp
569972	822220	8	2	133	1.14	1.91	15.62	324	40
558088	822320	8	3	133	1.14	1.91	16.38	430	40
558093	822420	8	4	133	1.14	1.91	18.06	561	35
558105	822470	8	5	133	1.14	2.67	21.18	732	28
569973	822221	6	2	133	1.14	2.54	18.31	499	55
558092	822321	6	3	133	1.14	2.29	18.44	622	55
558091	822421	6	4	133	1.14	2.41	20.40	817	45
558161	822521	6	5	133	1.14	2.79	23.80	1045	36
558137	822322	4	3	133	1.14	2.41	20.96	877	70
558090	822422	4	4	133	1.14	2.54	24.13	1132	60
569975	822552	4	5	133	1.14	3.94	29.34	1685	48
558136	822323	2	3	168	1.14	2.92	27.69	1540	95
558089	822423	2	4	168	1.14	3.30	32.77	1975	80
569976	822553	2	5	168	1.14	3.05	34.87	2502	64

**Color Code**

# of Conductor	Color Sequence
2	Black, White
3	Black, White, Green
4	Black, White, Red, Green
5	Black, White, Red, Green, Orange

