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.

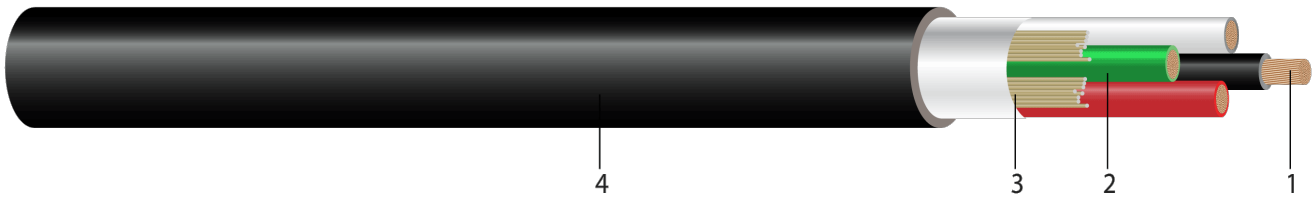


Image not to scale. See Table 1 for dimensions.

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		
569972	8	2	133	45	75	0.615	218	40	0.708	BK,WE	BK
558088	8	3	133	45	75	0.645	290	35	0.708	BK,WE,GN	BK
558093	8	4	133	45	75	0.715	376	28	0.708	BK,WE,RD,GN	BK
558105	8	5	133	45	105	0.834	492	28	0.708	BK,WE,RD,GN,OE	BK
569973	6	2	133	45	100	0.721	337	55	0.446	BK,WE	BK
558092	6	3	133	45	90	0.726	419	45	0.446	BK,WE,GN	BK
558091	6	4	133	45	85	0.803	539	36	0.446	BK,WE,RD,GN	BK
558161	6	5	133	45	110	0.937	702	36	0.446	BK,WE,RD,GN,OE	BK
558137	4	3	133	45	95	0.825	590	60	0.279	BK,WE,GN	BK
558090	4	4	133	45	100	0.95	762	48	0.279	BK,WE,RD,GN	BK
558136	2	3	168	45	115	1.09	992	80	0.166	BK,WE,GN	BK
558089	2	4	168	45	130	1.29	1314	64	0.166	BK,WE,RD,GN	BK
569976	2	5	168	45	120	1.373	1654	64	0.166	BK,WE,RD,GN,OE	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		
569972	8	2	133	1.14	1.91	15.62	324	40	2.32	BK,WE	BK
558088	8	3	133	1.14	1.91	16.38	432	35	2.32	BK,WE,GN	BK
558093	8	4	133	1.14	1.91	18.16	560	28	2.32	BK,WE,RD,GN	BK
558105	8	5	133	1.14	2.67	21.18	732	28	2.32	BK,WE,RD,GN,OE	BK
569973	6	2	133	1.14	2.54	18.31	502	55	1.46	BK,WE	BK
558092	6	3	133	1.14	2.29	18.44	624	45	1.46	BK,WE,GN	BK
558091	6	4	133	1.14	2.16	20.40	802	36	1.46	BK,WE,RD,GN	BK
558161	6	5	133	1.14	2.79	23.80	1045	36	1.46	BK,WE,RD,GN,OE	BK
558137	4	3	133	1.14	2.41	20.96	878	60	0.92	BK,WE,GN	BK
558090	4	4	133	1.14	2.54	24.13	1134	48	0.92	BK,WE,RD,GN	BK
558136	2	3	168	1.14	2.92	27.69	1476	80	0.54	BK,WE,GN	BK
558089	2	4	168	1.14	3.30	32.77	1955	64	0.54	BK,WE,RD,GN	BK
569976	2	5	168	1.14	3.05	34.87	2461	64	0.54	BK,WE,RD,GN,OE	BK

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

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