

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

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.

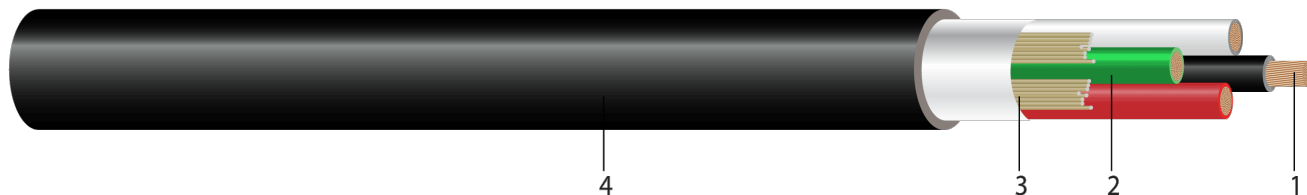


Image not to scale. See Table 1 for dimensions.

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 Conductors
- 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.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	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Approx. OD	Approx. Weight	Ampacity *	DC Resistance
		AWG/Kcmil	Count	# x AWG	mil	inch	lb/1000ft	Amp	Ω/1000ft
569972	822220	8	2	133/0.0106	50	0.63	274	40	0.72
558088	822320	8	3	133/0.0106	50	0.65	302	40	0.72
558093	822420	8	4	133/0.0106	50	0.71	443	35	0.72
558105	822470	8	5	133/0.0106	50	0.83	506	28	0.72
569973	822221	6	2	133/0.0141	50	0.72	351	55	0.4
558092	822321	6	3	133/0.0141	50	0.73	468	55	0.4
558091	822421	6	4	133/0.0141	50	0.8	626	45	0.4
558161	822521	6	5	133/0.0141	60	0.94	780	36	0.4
TBA	822222	4	2	133/0.0171	60	0.67	478	70	0.4
558137	822322	4	3	133/0.0171	50	0.82	664	70	0.27
558090	822422	4	4	133/0.0171	50	0.95	869	60	0.27
569975	822552	4	5	133/0.0171	50	1.03	1032	48	0.27
558136	822323	2	3	133/0.0220	50	0.98	1062	95	0.16
558089	822423	2	4	133/0.0220	50	1.09	1286	80	0.16
569976	822553	2	5	133/0.0220	50	1.32	1606	64	0.16

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	Approx. OD	Approx. Weight	Ampacity *	DC Resistance
		AWG/Kcmil	Count	# x AWG	mm	mm	kg/km	Amp	Ω/km
569972	822220	8	2	133/0.0106	1.27	16.00	408	40	2.36
558088	822320	8	3	133/0.0106	1.27	16.51	449	40	2.36
558093	822420	8	4	133/0.0106	1.27	18.03	659	35	2.36
558105	822470	8	5	133/0.0106	1.27	21.08	753	28	2.36
569973	822221	6	2	133/0.0141	1.27	18.29	522	55	1.31
558092	822321	6	3	133/0.0141	1.27	18.54	696	55	1.31
558091	822421	6	4	133/0.0141	1.27	20.32	932	45	1.31
558161	822521	6	5	133/0.0141	1.52	23.88	1161	36	1.31
TBA	822222	4	2	133/0.0171	1.52	17.02	711	70	1.31
558137	822322	4	3	133/0.0171	1.27	20.83	988	70	0.89
558090	822422	4	4	133/0.0171	1.27	24.13	1293	60	0.89
569975	822552	4	5	133/0.0171	1.27	26.16	1536	48	0.89
558136	822323	2	3	133/0.0220	1.27	24.89	1580	95	0.52
558089	822423	2	4	133/0.0220	1.27	27.69	1914	80	0.52
569976	822553	2	5	133/0.0220	1.27	33.53	2390	64	0.52



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Color Code

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



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