



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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## Royal® 600V SOOW

### Construction Parameters:

**CONDUCTOR:** 8 AWG - 2 AWG Class K stranded bare copper per ASTM B-174  
**INSULATION:** EPDM  
**JACKET:** CPE  
**COLOR:** Black (Other colors available upon request)  
**PRINT LEGEND:** SOUTHWIRE® ROYAL® (5 CROWN LOGO) CORD X/C X AWG (X.XXmm2) SOOW E54864 (UL) 600V -40C TO 90C - - CSA LL39753 SOOW 600V -40C TO 90C FT2 WATER RESISTANT

**INDENT LEGEND:** P-07-KA070018-1-MSHA

### PHYSICAL PROPERTIES:

**TEMPERATURE RANGE:** -40°C to 90°C  
**WATER RESISTANT:** Yes

### ELECTRICAL PROPERTIES:

**VOLTAGE RATING:** 600V rms, Max

### Industry Approvals:

- o UL Standard 62
- o NEC Article 501.140 Class I Div. 2
- o NEC Article 400
- o CSA C22.2 No. 49
- o Passes CSA FT2 Flame Test
- o MSHA
- o EPA 40 CFR, Part 26, Subpart C, heavy metals per Table 1, TCLP method

Part Number	AWG	No. Cond.	Stranding	Insulation Wall, Nom.		O.D., Nom.		Net Weight		Amps*	Nom. DCR Ω/1M'	Color Code
				Inches	mm	Inches	mm	Lb./kft.	kg/km			
822316	8	3	133/29	0.060	1.52	0.848	21.54	485	722	40	0.63	Black, White, Green
822591	8	4	133/29	0.060	1.52	0.953	24.21	619	921	35	0.63	Black, White, Red, Green
822540	8	5	133/29	0.060	1.52	1.034	26.26	722	1074	28	0.63	Black, White, Red, Green, Orange
822391	6	3	133/27	0.062	1.57	0.975	24.77	700	1042	55	0.40	Black, White, Green
822589	6	4	133/27	0.060	1.52	1.125	28.58	837	1246	45	0.40	Black, White, Red, Green
822392	6	5	133/27	0.060	1.52	1.192	30.28	979	1457	36	0.40	Black, White, Red, Green, Orange
822601	4	3	133/25	0.060	1.52	1.137	28.88	902	1342	70	0.25	Black, White, Green
822471	4	4	133/25	0.060	1.52	1.257	31.93	1144	1702	60	0.25	Black, White, Red, Green
822542	4	5	133/25	0.060	1.52	1.348	34.24	1320	1964	48	0.25	Black, White, Red, Green, Orange
822490	2	3	133/0.0223	0.060	1.52	1.310	33.27	1277	1900	95	0.16	Black, White, Green
822491	2	4	133/0.0223	0.060	1.52	1.465	37.21	1639	2439	80	0.02	Black, White, Red, Green
822492	2	5	133/0.0223	0.060	1.52	1.589	40.36	1925	2865	64	0.16	Black, White, Red, Green, Orange

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

\* Ampacity based on NEC Table 400.5(A) and CEC Table 12.

This product complies with European Directive 2011/65/EC (RoHS-2)  
 The customer will accept all factory lengths and +/- 10 percent of total order requested.  
 The jacket is sequentially footprinted from 2 to the footage designated by the put-up code.

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