



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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## Royal® 600V SOOW

### Construction Parameters:

**CONDUCTOR:** 18 AWG - 10 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 XX AWG (X.XXmm2) SOOW E46194 (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.	Insulation Wall, Nom.		O.D., Nom.		Net Weight		Amps*	Nom. DCR Ω/1M'	Nom. Lay Length in.	Color Code	
			Inches	mm	Inches	mm	Lb./kft.	kg/km					
822225	18	2	16/30	0.030	0.76	0.346	8.79	67	100	10	6.59	1.50	Black, White
822325	18	3	16/30	0.030	0.76	0.365	9.27	84	125	10	6.59	1.75	Black, White, Green
822425	18	4	16/30	0.030	0.76	0.390	9.91	98	146	7	6.59	2.00	Black, White, Red, Green
830505	18	5	16/30	0.030	0.76	0.465	11.81	138	205	5	6.59	2.50	Black, White, Red, Green, Orange
822226	16	2	26/30	0.030	0.76	0.370	9.40	81	121	13	4.05	1.75	Black, White
822326	16	3	26/30	0.030	0.76	0.390	9.91	94	140	13	4.05	2.00	Black, White, Green
822426	16	4	26/30	0.030	0.76	0.415	10.54	118	176	10	4.05	2.25	Black, White, Red, Green
830506	16	5	26/30	0.030	0.76	0.495	12.57	155	231	8	4.05	2.75	Black, White, Red, Green, Orange
822227	14	2	41/30	0.045	1.14	0.500	12.70	134	199	18	2.55	2.00	Black, White
822327	14	3	41/30	0.045	1.14	0.525	13.34	169	251	18	2.55	2.75	Black, White, Green
822427	14	4	41/30	0.045	1.14	0.570	14.48	201	299	15	2.55	3.25	Black, White, Red, Green
830507	14	5	41/30	0.045	1.14	0.668	16.97	275	409	12	2.55	4.00	Black, White, Red, Green, Orange
822228	12	2	65/30	0.045	1.14	0.570	14.48	184	274	25	1.61	2.50	Black, White
822328	12	3	65/30	0.045	1.14	0.595	15.11	224	333	25	1.61	3.00	Black, White, Green
822428	12	4	65/30	0.045	1.14	0.645	16.38	276	411	20	1.61	3.75	Black, White, Red, Green
830508	12	5	65/30	0.045	1.14	0.713	18.11	326	485	16	1.61	5.00	Black, White, Red, Green, Orange
822229	10	2	104/30	0.045	1.14	0.615	15.62	225	335	30	0.98	3.00	Black, White
822329	10	3	104/30	0.045	1.14	0.660	16.76	299	445	30	0.98	3.75	Black, White, Green
822429	10	4	104/30	0.045	1.14	0.710	18.03	360	536	25	0.98	4.25	Black, White, Red, Green
830509	10	5	104/30	0.045	1.14	0.770	19.56	418	622	20	0.98	5.75	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/EU (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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Specification Issue Date: April 13, 2015