



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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## Royal<sup>®</sup> 300V SJOOW

### 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<sup>®</sup> ROYAL<sup>®</sup> (5 CROWN LOGO) CORD X/C XX AWG (X.XXmm2) SJOOW E46194 (UL) 300V -40C TO 90C -- CSA LL39753 SJOOW 300V -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:** 300V rms, Max

### Industry Approvals:

- o UL Standard 62
- o CSA Standard C22.2 No. 49
- o NEC Article 501.140 Class I Div. 2
- o NEC Article 400
- o Federal Spec JC580
- 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.		UL 62 O.D. Range	Net Weight		Amps*	Nom. DCR Ω/1M'	Color Code
				Inches	mm	Inches	mm		Lb./kft.	kg/km			
823225	18	2	16/30	0.030	0.76	0.285	7.24	0.280" - 0.315"	37	55	10	6.59	Black, White
823325	18	3	16/30	0.030	0.76	0.310	7.87	0.300" - 0.335"	49	73	10	6.59	Black, White, Green
823425	18	4	16/30	0.030	0.76	0.330	8.38	0.325" - 0.365"	59	88	7	6.59	Black, White, Red, Green
823226	16	2	26/30	0.030	0.76	0.310	7.87	0.305" - 0.340"	46	68	13	4.05	Black, White
823326	16	3	26/30	0.030	0.76	0.330	8.38	0.325" - 0.360"	59	88	13	4.05	Black, White, Green
823426	16	4	26/30	0.030	0.76	0.357	9.07	0.350" - 0.395"	73	109	10	4.05	Black, White, Red, Green
823227	14	2	41/30	0.030	0.76	0.340	8.64	0.335" - 0.375"	60	89	18	2.55	Black, White
823327	14	3	41/30	0.030	0.76	0.365	9.27	0.360" - 0.395"	79	118	18	2.55	Black, White, Green
823427	14	4	41/30	0.030	0.76	0.395	10.03	0.390" - 0.435"	98	146	15	2.55	Black, White, Red, Green
823228	12	2	65/30	0.030	0.76	0.410	10.41	0.405" - 0.455"	90	134	25	1.61	Black, White
823328	12	3	65/30	0.030	0.76	0.430	10.92	0.425" - 0.475"	116	173	25	1.61	Black, White, Green
823428	12	4	65/30	0.030	0.76	0.470	11.94	0.465" - 0.520"	150	223	20	1.61	Black, White, Red, Green
823229	10	2	104/30	0.045	1.14	0.545	13.84	0.540" - 0.605"	155	231	30	0.98	Black, White
823329	10	3	104/30	0.045	1.14	0.569	14.45	0.565" - 0.635"	200	298	30	0.98	Black, White, Green
823429	10	4	104/30	0.045	1.14	0.635	16.13	0.625" - 0.700"	257	382	25	0.98	Black, White, Red, Green

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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