



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal Sovereign® 300V SJOOW

Construction Parameters:

CONDUCTOR: 18 AWG - 10 AWG Class K stranded bare copper per ASTM B-174
INSULATION: EPDM
JACKET: CPE
COLOR: Yellow (Other colors available upon request)
PRINT LEGEND: SOUTHWIRE® American Mustang® CORD X/C XX AWG (X.XXmm²) SJOOW E54864 (UL) 300V -40C TO 105C - - CSA LL39753 SJOOW 300V -40C TO 105C FT2 WATER RESISTANT

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

PHYSICAL PROPERTIES:

TEMPERATURE RANGE -40°C to 105°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.		Net Weight		Amps*	Nom. DCR Ω/1M'
				Inches	mm	Inches	mm	Lb./kft.	kg/km		
823245	18	2	16/30	0.030	0.76	0.285	7.24	46	68	10	6.59
823345	18	3	16/30	0.030	0.76	0.310	7.87	60	89	10	6.59
823445	18	4	16/30	0.030	0.76	0.330	8.38	73	109	7	6.59
823246	16	2	26/30	0.030	0.76	0.310	7.87	55	82	13	4.05
823346	16	3	26/30	0.030	0.76	0.330	8.38	74	110	13	4.05
823446	16	4	26/30	0.030	0.76	0.357	9.07	85	126	10	4.05
823247	14	2	41/30	0.030	0.76	0.340	8.64	75	112	18	2.55
823347	14	3	41/30	0.030	0.76	0.365	9.27	100	149	18	2.55
823447	14	4	41/30	0.030	0.76	0.395	10.03	119	177	15	2.55
823248	12	2	65/30	0.030	0.76	0.410	10.41	108	161	25	1.61
823348	12	3	65/30	0.030	0.76	0.430	10.92	150	223	25	1.61
823448	12	4	65/30	0.030	0.76	0.475	12.07	176	262	20	1.61
823249	10	2	104/30	0.045	1.14	0.620	15.75	226	336	30	0.98
823349	10	3	104/30	0.045	1.14	0.569	14.45	244	363	30	0.98
823449	10	4	104/30	0.045	1.14	0.635	16.13	302	449	25	0.98

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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