



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal Sovereign® 600V SOOW

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) SOOW E54864 (UL) 600V -40C TO 105C -- CSA LL39753 SOOW 600V -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: 600V 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'	Color Code
				Inches	mm	Inches	mm	Lb./kft.	kg/km			
822245	18	2	16/30	0.030	0.76	0.346	8.79	65	97	10	6.59	Black, White
822345	18	3	16/30	0.030	0.76	0.365	9.27	84	125	10	6.59	Black, White, Green
822445	18	4	16/30	0.030	0.76	0.390	9.91	98	146	7	6.59	Black, White, Red, Green
822246	16	2	26/30	0.030	0.76	0.370	9.40	81	121	13	4.05	Black, White
822346	16	3	26/30	0.030	0.76	0.390	9.91	94	140	13	4.05	Black, White, Green
822446	16	4	26/30	0.030	0.76	0.415	10.54	118	176	10	4.05	Black, White, Red, Green
822247	14	2	41/30	0.045	1.14	0.500	12.70	134	199	18	2.55	Black, White
822347	14	3	41/30	0.045	1.14	0.525	13.34	169	251	18	2.55	Black, White, Green
822447	14	4	41/30	0.045	1.14	0.570	14.48	201	299	15	2.55	Black, White, Red, Green
822248	12	2	65/30	0.045	1.14	0.570	14.48	184	274	25	1.61	Black, White
822348	12	3	65/30	0.045	1.14	0.595	15.11	224	333	25	1.61	Black, White, Green
822448	12	4	65/30	0.045	1.14	0.645	16.38	276	411	20	1.61	Black, White, Red, Green
822249	10	2	104/30	0.045	1.14	0.615	15.62	225	335	30	0.98	Black, White
822349	10	3	104/30	0.045	1.14	0.660	16.76	299	445	30	0.98	Black, White, Green
822449	10	4	104/30	0.045	1.14	0.710	18.03	360	536	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 2002/95/EC (RoHS)

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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