



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

1530 Shields Drive
Waukegan, IL 60085
Toll-Free (800) 323-9355
Fax: (847) 689-1192

Royal[®] 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[®] ROYAL[®] (5 CROWN LOGO) CORD 2/C 18 AWG (0.82mm²) SJOOW E54864
 (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'
				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
823325	18	3	16/30	0.030	0.76	0.310	7.87	0.300" - 0.335"	49	73	10	6.59
823425	18	4	16/30	0.030	0.76	0.330	8.38	0.325" - 0.365"	59	88	7	6.59
823226	16	2	26/30	0.030	0.76	0.310	7.87	0.305" - 0.340"	46	68	13	4.05
823326	16	3	26/30	0.030	0.76	0.330	8.38	0.325" - 0.360"	59	88	13	4.05
823426	16	4	26/30	0.030	0.76	0.357	9.07	0.350" - 0.395"	73	109	10	4.05
823227	14	2	41/30	0.030	0.76	0.340	8.64	0.335" - 0.375"	60	89	18	2.55
823327	14	3	41/30	0.030	0.76	0.365	9.27	0.360" - 0.395"	79	118	18	2.55
823427	14	4	41/30	0.030	0.76	0.395	10.03	0.390" - 0.435"	98	146	15	2.55
823228	12	2	65/30	0.030	0.76	0.410	10.41	0.405" - 0.455"	90	134	25	1.61
823328	12	3	65/30	0.030	0.76	0.430	10.92	0.425" - 0.475"	116	173	25	1.61
823428	12	4	65/30	0.030	0.76	0.470	11.94	0.465" - 0.520"	150	223	20	1.61
823229	10	2	104/30	0.045	1.14	0.545	13.84	0.540" - 0.605"	155	231	30	0.98
823329	10	3	104/30	0.045	1.14	0.569	14.45	0.565" - 0.635"	200	298	30	0.98
823429	10	4	104/30	0.045	1.14	0.635	16.13	0.625" - 0.700"	257	382	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 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.

The information presented here is, to the best of our knowledge, true and accurate. Since conditions of use are beyond Coleman Cable's control all product data presented is for informational purposes only and does not create a binding obligation or liability on Coleman Cable or confer any rights on any customer. The sale of products(s) is conditioned upon acceptance of a purchase order subject to Coleman disclaims all liability in connection with the use of information contained herein or otherwise.

This specification is proprietary intellectual property of Coleman Cable. Any information contained herein shall not be disclosed to any party without written consent of Coleman Cable.

Specification Issue Date: June 23, 2014