



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] 600V SOOW

Construction Parameters:

CONDUCTOR: 8 AWG - 2 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[®]  CORD XX/C XX AWG (XXmm2) SOOW 600V -40C TO 90C

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

PHYSICAL PROPERTIES:

TEMPERATURE RANGE: -40°C to 90°C
FEATURES: Ozone, Sunlight, Chemical & Oil Resistant, Water, and flame-retardant Jacket

ELECTRICAL PROPERTIES:

VOLTAGE RATING: 600V rms, Max

INDUSTRY APPROVALS:

- 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			
822220	8	2	133/0.0106	0.050	1.27	0.632	16.05	274	408	40	0.72	Black, White
822320	8	3	133/0.0106	0.050	1.27	0.645	16.38	302	449	40	0.72	Black, White, Green
822420	8	4	133/0.0106	0.050	1.27	0.710	18.03	443	659	35	0.72	Black, White, Red, Green
822470	8	5	133/0.0106	0.050	1.27	0.834	21.18	506	753	28	0.72	Black, White, Red, Orange, Green
822221	6	2	133/0.0141	0.050	1.27	0.721	18.31	351	522	55	0.40	Black, White
822321	6	3	133/0.0141	0.050	1.27	0.726	18.44	468	696	55	0.40	Black, White, Green
822421	6	4	133/0.0141	0.050	1.27	0.803	20.40	626	932	45	0.40	Black, White, Red, Green
822521	6	5	133/0.0141	0.050	1.27	0.937	23.80	780	1161	36	0.40	Black, White, Red, Orange, Green
822222	4	2	133/0.0171	0.050	1.27	0.852	21.64	478	711	70	0.40	Black, White
822322	4	3	133/0.0171	0.050	1.27	0.824	20.93	664	988	70	0.27	Black, White, Green
822422	4	4	133/0.0171	0.050	1.27	0.950	24.13	869	1293	60	0.27	Black, White, Red, Green
822522	4	5	133/0.0171	0.050	1.27	1.027	26.09	1032	1536	48	0.27	Black, White, Red, Orange, Green
822223	2	2	133/0.0220	0.050	1.27	1.084	27.53	712	1060	95	0.16	Black, White
822323	2	3	133/0.0220	0.050	1.27	0.979	24.87	1062	1580	95	0.16	Black, White, Green
822423	2	4	133/0.0220	0.050	1.27	1.086	27.58	1286	1914	80	0.16	Black, White, Red, Green
822523	2	5	133/0.0220	0.050	1.27	1.323	33.60	1606	2390	64	0.16	Black, White, Red, Orange, 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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