



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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

Royal® 600V SOOW

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 X/C XX AWG (X.XXmm2) SOOW E46194 (UL) 600V -40C TO 90C -- CSA LL90458 SOOW 600V -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: 600V rms, Max

Industry Approvals:

- o UL Standard 62
- o NEC Article 501.140 Class I Div. 2
- o NEC Article 400
- o CSA C22.2 No. 49
- 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	CCI Part Number	AWG	No. Cond.	Stranding	Insulation Wall, Nom.		O.D., Nom.		Net Weight		Amps*	Nom. DCR Q/1M'	Nom. Lay Length in.	Color Code
					Inches	mm	Inches	mm	Lb./kft.	kg/km				
558140	822225	18	2	16/30	0.030	0.76	0.346	8.79	67	100	10	6.59	1.50	Black, White
558142	822325	18	3	16/30	0.030	0.76	0.365	9.27	84	125	10	6.59	1.75	Black, White, Green
558143	822425	18	4	16/30	0.030	0.76	0.390	9.91	98	146	7	6.59	2.00	Black, White, Red, Green
558235	830505	18	5	16/30	0.030	0.76	0.465	11.81	138	205	5	6.59	2.50	Black, White, Red, Green, Orange
560018	822226	16	2	26/30	0.030	0.76	0.370	9.40	81	121	13	4.05	1.75	Black, White
558100	822326	16	3	26/30	0.030	0.76	0.390	9.91	94	140	13	4.05	2.00	Black, White, Green
558101	822426	16	4	26/30	0.030	0.76	0.415	10.54	118	176	10	4.05	2.25	Black, White, Red, Green
558231	830506	16	5	26/30	0.030	0.76	0.495	12.57	155	231	8	4.05	2.75	Black, White, Red, Green, Orange
558138	822227	14	2	41/30	0.045	1.14	0.500	12.70	134	199	18	2.55	2.00	Black, White
558099	822327	14	3	41/30	0.045	1.14	0.525	13.34	169	251	18	2.55	2.75	Black, White, Green
558102	822427	14	4	41/30	0.045	1.14	0.570	14.48	201	299	15	2.55	3.25	Black, White, Red, Green
558147	830507	14	5	41/30	0.045	1.14	0.668	16.97	275	409	12	2.55	4.00	Black, White, Red, Green, Orange
558139	822228	12	2	65/30	0.045	1.14	0.570	14.48	184	274	25	1.61	2.50	Black, White
558094	822328	12	3	65/30	0.045	1.14	0.595	15.11	224	333	25	1.61	3.00	Black, White, Green
558095	822428	12	4	65/30	0.045	1.14	0.645	16.38	276	411	20	1.61	3.75	Black, White, Red, Green
558104	830508	12	5	65/30	0.045	1.14	0.713	18.11	326	485	16	1.61	5.00	Black, White, Red, Green, Orange
558141	822229	10	2	104/30	0.045	1.14	0.620	15.75	225	335	30	0.98	3.00	Black, White
558097	822329	10	3	104/30	0.045	1.14	0.660	16.76	299	445	30	0.98	3.75	Black, White, Green
558096	822429	10	4	104/30	0.045	1.14	0.710	18.03	360	536	25	0.98	4.25	Black, White, Red, Green
558103	830509	10	5	104/30	0.045	1.14	0.770	19.56	418	622	20	0.98	5.75	Black, White, Red, Green, Orange

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.

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

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

Specification Issue Date: April 13, 2015