



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
COLOR CODE: ICEA Method 1, Table E-1
JACKET: CPE
COLOR: Black (Other colors available upon request)
PRINT LEGEND: CCI ROYAL X/C XX AWG (X.XX mm²) SOOW E54864 (UL) 600V -40C TO 90C --
 CSA LL39753 SOOW 600V -40C TO 90C FT2 WATER RESISTANT 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 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		
830505	18	5	16/30	0.030	0.76	0.465	11.81	116	173	5.5	6.59
830605	18	6	16/30	0.030	0.76	0.488	12.40	132	196	5.5	6.59
830705	18	7	16/30	0.030	0.76	0.488	12.40	159	237	4.5	6.59
830805	18	8	16/30	0.030	0.76	0.521	13.23	175	260	4.5	6.59
831005	18	10	16/30	0.030	0.76	0.596	15.14	206	307	3.5	6.59
831205	18	12	16/30	0.030	0.76	0.612	15.54	231	344	3.5	6.59
831405	18	14	16/30	0.030	0.76	0.640	16.26	241	359	3.5	6.59
831605	18	16	16/30	0.030	0.76	0.668	16.97	284	423	3.5	6.59
832005	18	20	16/30	0.030	0.76	0.767	19.48	347	516	3.5	6.59
832405	18	24	16/30	0.030	0.76	0.830	21.08	383	570	3	6.59
833005	18	30	16/30	0.030	0.76	0.869	22.07	453	674	3	6.59
833705	18	37	16/30	0.030	0.76	0.980	24.89	570	848	2.5	6.59
830506	16	5	26/30	0.030	0.76	0.495	12.57	143	213	8	4.05
830606	16	6	26/30	0.030	0.76	0.527	13.39	171	254	8	4.05
830706	16	7	26/30	0.030	0.76	0.527	13.39	180	268	7	4.05
830806	16	8	26/30	0.030	0.76	0.564	14.33	201	299	7	4.05
831006	16	10	26/30	0.030	0.76	0.648	16.46	251	374	5	4.05
831206	16	12	26/30	0.030	0.76	0.696	17.68	299	445	5	4.05
831406	16	14	26/30	0.030	0.76	0.727	18.47	342	509	5	4.05
831606	16	16	26/30	0.030	0.76	0.763	19.38	367	546	5	4.05
832006	16	20	26/30	0.030	0.76	0.775	19.69	414	616	5	4.05
832406	16	24	26/30	0.030	0.76	0.920	23.37	490	729	4.5	4.05
833006	16	30	26/30	0.030	0.76	1.000	25.40	613	912	4.5	4.05
833706	16	37	26/30	0.030	0.76	1.050	26.67	719	1070	4	4.05
834006	16	40	26/30	0.030	0.76	1.088	27.64	787	1171	4	4.05

Specification Issue Date: July 25, 2011

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		
830507	14	5	41/30	0.045	1.14	0.668	16.97	272	405	12	2.55
830607	14	6	41/30	0.045	1.14	0.664	16.87	262	390	12	2.55
830707	14	7	41/30	0.045	1.14	0.670	17.02	278	414	10	2.55
830807	14	8	41/30	0.045	1.14	0.743	18.87	341	507	10	2.55
831007	14	10	41/30	0.045	1.14	0.858	21.79	410	610	7	2.55
831207	14	12	41/30	0.045	1.14	0.883	22.43	482	717	7	2.55
831407	14	14	41/30	0.045	1.14	0.908	23.06	489	728	7	2.55
831607	14	16	41/30	0.045	1.14	1.000	25.40	628	935	7	2.55
832007	14	20	41/30	0.045	1.14	1.110	28.19	782	1164	7	2.55
832407	14	24	41/30	0.045	1.14	1.200	30.48	810	1205	6	2.55
833007	14	30	41/30	0.045	1.14	1.290	32.77	997	1484	6	2.55
833707	14	37	41/30	0.045	1.14	1.300	33.02	1203	1790	6	2.55
830508	12	5	65/30	0.045	1.14	0.713	18.11	338	503	16	1.61
830608	12	6	65/30	0.045	1.14	0.740	18.80	351	522	16	1.61
830708	12	7	65/30	0.045	1.14	0.746	18.95	372	554	14	1.61
830808	12	8	65/30	0.045	1.14	0.803	20.40	418	622	14	1.61
831008	12	10	65/30	0.045	1.14	0.930	23.62	505	752	10	1.61
831208	12	12	65/30	0.045	1.14	0.987	25.07	690	1027	10	1.61
831408	12	14	65/30	0.045	1.14	1.040	26.42	728	1083	10	1.61
831608	12	16	65/30	0.045	1.14	1.090	27.69	762	1134	10	1.61
832008	12	20	65/30	0.045	1.14	1.200	30.48	922	1372	10	1.61
832408	12	24	65/30	0.045	1.14	1.350	34.29	1133	1686	9	1.61
833008	12	30	65/30	0.045	1.14	1.420	36.07	1326	1973	9	1.61
833708	12	37	65/30	0.045	1.14	1.506	38.25	1562	2325	8	1.61
830509	10	5	104/30	0.045	1.14	0.770	19.56	440	655	20	0.98
830609	10	6	104/30	0.045	1.14	0.806	20.47	466	693	20	0.98
830709	10	7	104/30	0.045	1.14	0.835	21.21	520	774	17	0.98
830809	10	8	104/30	0.045	1.14	0.866	22.00	536	798	17	0.98
831009	10	10	104/30	0.045	1.14	1.040	26.42	683	1016	12	0.98
831209	10	12	104/30	0.045	1.14	1.070	27.18	801	1192	12	0.98
831409	10	14	104/30	0.045	1.14	1.120	28.45	918	1366	12	0.98
831609	10	16	104/30	0.045	1.14	1.180	29.97	1035	1540	12	0.98
832009	10	20	104/30	0.045	1.14	1.328	33.73	1258	1872	12	0.98
832409	10	24	104/30	0.045	1.14	1.480	37.59	1514	2253	11	0.98
833009	10	30	104/30	0.045	1.14	1.560	39.62	1822	2711	11	0.98
833709	10	37	104/30	0.045	1.14	1.680	42.67	2181	3246	10	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 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.

Customer Company Name: _____

Date: _____

Customer Approval: _____

Customer Title: _____

Specification Issue Date: July 25, 2011

Page 2 of 2