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ROYAL® SOOW CORD

600 Volt 90°C Flexible Cord. Heat, Moisture and Oil Resistant EPDM Rubber Insulation, Heat, Moisture and Oil Resistant Flexible CPE Jacket.

APPLICATIONS

Southwire Type SOOW Flexible Cords UL/ CSA listed are permitted for use as specified by Article 400 and related articles of the 2014 National Electrical Code. The cable is rated -40°C to 90°C, water, oil, and weather resistant. Southwire Type SOOW Flexible Cords are designed for extra hard usage on industrial equipment, heavy tools, battery chargers, portable lights, welding leads, marine dockside power, power extensions and mining applications.



SPECIFICATIONS

- UL 62
- CSA Standard 22.2 No. 49
- NEC 400
- NEC 501.140 Class I Division 2
- Passes CSA FT2 Flame Test
- MSHA
- Federal and Military Specification JC-580B
- RoHS-2 (European Directive 2011/65/EU)

CONSTRUCTION

1. Conductors:	Class K stranded bare copper per ASTM B-174
2. Insulation:	EPDM
3. Jacket:	Black CPE (Other colors available upon request)

SAMPLE PRINT LEGEND

SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm2) SOOW E46194 (UL) 600V -40C TO 90C -- CSA LL90458 SOOW 600V -40C TO 90C FT2 WATER RESISTANT

SAMPLE INDENT LEGEND

P-07-KA070018-1-MSHA

PACKAGING

Standard lengths: 250', 500' and 1,000' reels. Other lengths available upon request.

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ROYAL® SOOW CORD 600 Volt 90°C Flexible Cord. Heat, Moisture and Oil Resistant EPDM Rubber Insulation, Heat, Moisture and Oil Resistant Flexible CPE Jacket.

TABLE 1 - WEIGHTS & MEASUREMENTS

Stock Code	CCI Part Number	Cond. Size AWG	No. of Cond.	No. of Strands	Insulation Thickness (Inchs)	Insulation Thickness (mm)	Nominal OD (Inchs)	Nominal OD (mm)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
558235	830505	18	5	16/30	0.03	0.81	0.47	11.81	116	173
558236	830605	18	6	16/30	0.03	0.79	0.49	12.40	132	196
558237	830705	18	7	16/30	0.03	0.79	0.49	12.40	159	237
558238	830805	18	8	16/30	0.03	0.79	0.52	13.23	175	260
570034	831005	18	10	16/30	0.03	0.79	0.60	15.14	206	307
570037	831205	18	12	16/30	0.03	0.79	0.61	15.54	231	344
598302	831405	18	14	16/30	0.03	0.79	0.64	16.26	241	359
570039	831605	18	16	16/30	0.03	0.79	0.67	16.97	284	423
570042	832005	18	20	16/30	0.03	0.79	0.74	18.77	347	516
570043	832405	18	24	16/30	0.03	0.79	0.83	21.08	383	570
571692	833005	18	30	16/30	0.03	0.79	0.87	22.07	453	674
TBD	833705	18	37	16/30	0.03	0.79	0.98	24.89	570	848
558231	830506	16	5	26/30	0.03	0.79	0.50	12.57	143	213
558232	830606	16	6	26/30	0.03	0.79	0.49	12.55	171	254
558233	830706	16	7	26/30	0.03	0.79	0.56	14.33	180	268
558234	830806	16	8	26/30	0.03	0.79	0.51	13.06	201	299
560526	831006	16	10	26/30	0.03	0.79	0.65	16.46	251	374
560527	831206	16	12	26/30	0.03	0.79	0.70	17.68	299	445
598305	831406	16	14	26/30	0.03	0.79	0.73	18.47	342	509
560528	831606	16	16	26/30	0.03	0.79	0.76	19.38	367	546

TABLE 2 - ELECTRICAL AND ENGINEERING DATA

Stock Code	CCI Part Number	† Amps	Nom. DCR Ω/1M'	Color Code: Per ICEA Method 1, Table E-1
558235	830505	5.5	6.59	
558236	830605	5.5	6.59	
558237	830705	4.5	6.59	
558238	830805	4.5	6.59	
570034	831005	3.5	6.59	
570037	831205	3.5	6.59	
598302	831405	3.5	6.59	
570039	831605	3.5	6.59	
570042	832005	3.5	6.59	
570043	832405	3	6.59	
571692	833005	3	6.59	
	833705	2.5	6.59	
558231	830506	8	4.05	
558232	830606	8	4.05	
558233	830706	7	4.05	
558234	830806	7	4.05	
560526	831006	5	4.05	
560527	831206	5	4.05	
598305	831406	5	4.05	
560528	831606	5	4.05	

All dimensions are nominal and subject to nominal manufacturing tolerances

† Ampacities are based on TABLE 400.5(A)of the 2014 National Electrical Code and CEC Table 12.

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ROYAL® SOOW CORD

600 Volt 90°C Flexible Cord. Heat, Moisture

TABLE 1 - WEIGHTS & MEASUREMENTS

Stock Code	CCI Part Number	Cond. Size AWG	No. of Cond.	No. of Strands	Insulation Thickness (Inchs)	Insulation Thickness (mm)	Nominal OD (Inchs)	Nominal OD (mm)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
570018	832006	16	20	26/30	0.03	0.79	0.78	19.69	414	616
570019	832406	16	24	26/30	0.03	0.79	0.92	23.37	490	729
570026	833006	16	30	26/30	0.03	0.79	0.98	24.79	613	912
598314	833706	16	37	26/30	0.03	0.79	1.05	26.67	719	1070
	834006	16	40	26/30	0.03	0.79	1.09	27.64	787	1171
558147	830507	14	5	41/30	0.05	1.14	0.67	16.97	272	405
558149	830607	14	6	41/30	0.05	1.14	0.66	16.87	262	390
558150	830707	14	7	41/30	0.05	1.14	0.71	18.08	278	414
558230	830807	14	8	41/30	0.05	1.14	0.73	18.54	341	507
569994	831007	14	10	41/30	0.05	1.17	0.77	19.56	410	610
571270	831207	14	12	41/30	0.05	1.17	0.88	22.43	482	717
569995	831407	14	14	41/30	0.05	1.17	0.98	24.79	489	728
569997	831607	14	16	41/30	0.05	1.17	1.00	25.50	628	935
569998	832007	14	20	41/30	0.05	1.17	1.11	28.07	782	1164
569999	832407	14	24	41/30	0.05	1.17	1.17	29.82	810	1205
570004	833007	14	30	41/30	0.05	1.17	1.34	33.99	997	1484
598306	833707	14	37	41/30	0.05	1.17	1.30	33.02	1203	1790
	834007	14	40	41/30	0.05	1.17	1.47	37.26	1675	2493
558104	830508	12	5	65/30	0.05	1.17	0.71	18.11	338	503
558144	830608	12	6	65/30	0.05	1.14	0.74	18.80	351	522

TABLE 2 - ELECTRICAL AND ENGINEERING DATA

Stock Code	CCI Part Number	† Amps	Nom. DCR Ω/1M'	Color Code: Per ICEA Method 1, Table E-1
570018	832006	5	4.05	
570019	832406	4.5	4.05	
570026	833006	4.5	4.05	
598314	833706	4	4.05	
	834006	4	4.05	
558147	830507	12	2.55	
558149	830607	12	2.55	
558150	830707	10	2.55	
558230	830807	10	2.55	
569994	831007	7	2.55	
571270	831207	7	2.55	
569995	831407	7	2.55	
569997	831607	7	2.55	
569998	832007	7	2.55	
569999	832407	6	2.55	
570004	833007	6	2.55	
598306	833707	6	2.55	
	834007	6	2.55	
558104	830508	16	1.61	
558144	830608	16	1.61	

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600 Volt 90°C Flexible Cord. Heat, Moisture

TABLE 1 - WEIGHTS & MEASUREMENTS

Stock Code	CCI Part Number	Cond. Size AWG	No. of Cond.	No. of Strands	Insulation Thickness (Inchs)	Insulation Thickness (mm)	Nominal OD (Inchs)	Nominal OD (mm)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
558145	830708	12	7	65/30	0.05	1.17	0.75	18.95	372	554
558146	830808	12	8	65/30	0.05	1.17	0.80	20.40	418	622
571397	830908	12	9	65/30	0.05	1.17	0.85	21.67	541	805
569981	831008	12	10	65/30	0.05	1.17	0.93	23.62	585	871
569982	831208	12	12	65/30	0.05	1.17	0.99	25.07	690	1027
598307	831408	12	14	65/30	0.05	1.17	1.04	26.29	728	1083
598308	831608	12	16	65/30	0.05	1.17	1.09	27.64	762	1134
569983	832008	12	20	65/30	0.05	1.17	1.20	30.48	922	1372
531718	832408	12	24	65/30	0.05	1.17	1.32	33.40	1133	1686
	833008	12	30	65/30	0.05	1.17	1.42	36.07	1326	1973
569987	833708	12	37	65/30	0.05	1.17	1.51	38.25	1562	2325
558103	830509	10	5	104/30	0.05	1.17	0.77	19.56	440	655
569979	830609	10	6	104/30	0.05	1.17	0.81	20.47	466	693
569980	830709	10	7	104/30	0.05	1.14	0.84	21.34	520	774
	830809	10	8	104/30	0.05	1.14	0.87	22.00	536	798
569662	831009	10	10	104/30	0.05	1.14	1.03	26.14	683	1016
570006	831209	10	12	104/30	0.05	1.17	1.07	27.10	801	1192
	831409	10	14	104/30	0.05	1.14	1.12	28.45	918	1366
	831609	10	16	104/30	0.05	1.14	1.18	29.97	1035	1540
	832009	10	20	104/30	0.05	1.14	1.33	33.73	1258	1872

TABLE 2 - ELECTRICAL AND ENGINEERING DATA

Stock Code	CCI Part Number	† Amps	Nom. DCR Ω/1M'	Color Code: Per ICEA Method 1, Table E-1
558145	830708	14	1.61	
558146	830808	14	1.61	
571397	830908	14	1.61	
569981	831008	10	1.61	
569982	831208	10	1.61	
598307	831408	10	1.61	
598308	831608	10	1.61	
569983	832008	10	1.61	
531718	832408	9	1.61	
	833008	9	1.61	
569987	833708	8	1.61	
558103	830509	20	0.98	
569979	830609	20	0.98	
569980	830709	17	0.98	
	830809	17	0.98	
569662	831009	12	0.98	
570006	831209	12	0.98	
	831409	12	0.98	
	831609	12	0.98	
	832009	12	0.98	

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TABLE 1 - WEIGHTS & MEASUREMENTS

Stock Code	CCI Part Number	Cond. Size AWG	No. of Cond.	No. of Strands	Insulation Thickness (Inchs)	Insulation Thickness (mm)	Nominal OD (Inchs)	Nominal OD (mm)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
TBD	832409	10	24	104/30	0.05	1.14	1.48	37.59	1514	2253
TBD	833009	10	30	104/30	0.05	1.14	1.56	39.62	1822	2711
TBD	833709	10	37	104/30	0.05	1.14	1.68	42.67	2181	3246

TABLE 2 - ELECTRICAL AND ENGINEERING DATA

Stock Code	CCI Part Number	† Amps	Nom. DCR Ω/1M'	Color Code: Per ICEA Method 1, Table E-1
TBD	832409	11	0.98	
TBD	833009	11	0.98	
TBD	833709	10	0.98	

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