



## 600V ROYAL® SOOW Cord Control with Black Jacket 90°C. MSHA Approved

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



Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** Class K stranded bare copper per ASTM B-174
2. **Insulation:** Heat, moisture and oil resistant EPDM
3. **Filler:** Waxed paper fillers, with a tissue-paper separator wrapped around the assembly
4. **Jacket:** Black CPE (Other colors available upon request)

### APPLICATIONS AND FEATURES:

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 Flexible Cords and Cables
- CSA C22.2 No. 49 Flexible Cords and Cables
- MSHA flame test - P07-KA070018-1MSHA
- Passes CSA FT2 Flame Test
- RoHS-3 Complies with European Directive 2015/863
- NEC Article 400 Flexible Cords, Cables and Fixture Wire
- NEC Article 501.140 Class I Division 2
- Federal Specification J-C-580B

### SAMPLE PRINT LEGEND:

SOUTHWIRE® ROYAL® CORD XX/C XX AWG ({mm<sup>2</sup>}) SOOW E46194 {UL} 600V -40°C TO 90°C -- {CSA} LL90458 SOOW 600V -40°C TO 90°C FT2 WATER RESISTANT {NOM}-ANCE -- {MSHA}

### PACKAGING:

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





**Table 1 – Weights and Measurements**

Stock Number	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity	Insul. Color	Jacket Color
		AWG/ Kcmil	No.	No.	mil	mil	inch	lb/1000ft	Amp		
558236	830605	18	6	16	30	85	0.488	137	5	See Table	BK
558237	830705	18	7	16	30	80	0.488	138	4	See Table	BK
558238	830805	18	8	16	30	85	0.521	162	4	See Table	BK
570034	831005	18	10	16	30	90	0.596	200	3	See Table	BK
570037	831205	18	12	16	30	90	0.617	226	3	See Table	BK
598302	831405	18	14	16	30	90	0.640	253	3	See Table	BK
570039	831605	18	16	16	30	100	0.668	282	3	See Table	BK
570042	832005	18	20	16	30	95	0.739	330	3	See Table	BK
570043	832405	18	24	16	30	110	0.830	409	3	See Table	BK
571692	833005	18	30	16	30	100	0.868	456	3	See Table	BK
558232	830606	16	6	26	30	90	0.516	168	8	See Table	BK
558233	830706	16	7	26	30	90	0.564	201	7	See Table	BK
558234	830806	16	8	26	30	90	0.566	207	7	See Table	BK
560526	831006	16	10	26	30	90	0.648	271	5	See Table	BK
560527	831206	16	12	26	30	105	0.696	324	5	See Table	BK
598305	831406	16	14	26	30	110	0.727	337	5	See Table	BK
570018	832006	16	20	26	30	95	0.745	396	5	See Table	BK
560528	831606	16	16	26	30	110	0.778	373	5	See Table	BK
570019	832406	16	24	26	30	110	0.919	507	4	See Table	BK
570026	833006	16	30	26	30	130	0.982	647	4	See Table	BK
558149	830607	14	6	41	45	105	0.664	323	12	See Table	BK
558150	830707	14	7	41	45	95	0.712	312	10	See Table	BK
558230	830807	14	8	41	45	115	0.730	346	10	See Table	BK
569994	831007	14	10	41	45	110	0.770	404	7	See Table	BK
571270	831207	14	12	41	45	110	0.883	471	7	See Table	BK
569997	831607	14	16	41	45	130	1.016	642	7	See Table	BK
558144	830608	12	6	65	45	110	0.740	379	16	See Table	BK
558145	830708	12	7	65	45	95	0.740	353	14	See Table	BK
558146	830808	12	8	65	45	110	0.796	429	14	See Table	BK
571397	830908	12	9	65	45	110	0.852	483	14	See Table	BK
569981	831008	12	10	65	45	100	0.894	500	10	See Table	BK
569982	831208	12	12	65	45	130	1.029	639	10	See Table	BK
598307	831408	12	14	65	45	130	1.035	704	10	See Table	BK
569979	830609	10	6	104	45	110	0.830	483	20	See Table	BK
569980	830709	10	7	104	45	115	0.840	516	17	See Table	BK
570006	831209	10	12	104	45	130	1.067	849	12	See Table	BK

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

\* Ampacities are based on TABLE 400.5(A)(1) of the 2023 National Electrical Code and CEC Table 12.





**Table 2 – Weights and Measurements (Metric)**

Stock Number	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *	Insul. Color	Jacket Color
		AWG/ Kcmil	No.	No.	mm	mm	mm	kg/km	Amp		
558236	830605	18	6	16	0.76	2.16	12.40	204	5	See Table	BK
558237	830705	18	7	16	0.76	2.03	12.40	205	4	See Table	BK
558238	830805	18	8	16	0.76	2.16	13.23	241	4	See Table	BK
570034	831005	18	10	16	0.76	2.29	15.14	298	3	See Table	BK
570037	831205	18	12	16	0.76	2.29	15.67	336	3	See Table	BK
598302	831405	18	14	16	0.76	2.29	16.26	377	3	See Table	BK
570039	831605	18	16	16	0.76	2.54	16.97	420	3	See Table	BK
570042	832005	18	20	16	0.76	2.41	18.77	491	3	See Table	BK
570043	832405	18	24	16	0.76	2.79	21.08	609	3	See Table	BK
571692	833005	18	30	16	0.76	2.54	22.05	679	3	See Table	BK
558232	830606	16	6	26	0.76	2.29	13.11	250	8	See Table	BK
558233	830706	16	7	26	0.76	2.29	14.33	299	7	See Table	BK
558234	830806	16	8	26	0.76	2.29	14.38	308	7	See Table	BK
560526	831006	16	10	26	0.76	2.29	16.46	403	5	See Table	BK
560527	831206	16	12	26	0.76	2.67	17.68	482	5	See Table	BK
598305	831406	16	14	26	0.76	2.79	18.47	502	5	See Table	BK
570018	832006	16	20	26	0.76	2.41	18.92	589	5	See Table	BK
560528	831606	16	16	26	0.76	2.79	19.76	555	5	See Table	BK
570019	832406	16	24	26	0.76	2.79	23.34	754	4	See Table	BK
570026	833006	16	30	26	0.76	3.30	24.94	963	4	See Table	BK
558149	830607	14	6	41	1.14	2.67	16.87	481	12	See Table	BK
558150	830707	14	7	41	1.14	2.41	18.08	464	10	See Table	BK
558230	830807	14	8	41	1.14	2.92	18.54	515	10	See Table	BK
569994	831007	14	10	41	1.14	2.79	19.56	601	7	See Table	BK





Stock Number	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *	Insul. Color	Jacket Color
		AWG/ Kcmil	No.	No.	mm	mm	mm	kg/km	Amp		
571270	831207	14	12	41	1.14	2.79	22.43	701	7	See Table	BK
569997	831607	14	16	41	1.14	3.30	25.81	955	7	See Table	BK
558144	830608	12	6	65	1.14	2.79	18.80	564	16	See Table	BK
558145	830708	12	7	65	1.14	2.41	18.80	525	14	See Table	BK
558146	830808	12	8	65	1.14	2.79	20.22	638	14	See Table	BK
571397	830908	12	9	65	1.14	2.79	21.64	719	14	See Table	BK
569981	831008	12	10	65	1.14	2.54	22.71	744	10	See Table	BK
569982	831208	12	12	65	1.14	3.30	26.14	951	10	See Table	BK
598307	831408	12	14	65	1.14	3.30	26.29	1048	10	See Table	BK
569979	830609	10	6	104	1.14	2.79	21.08	719	20	See Table	BK
569980	830709	10	7	104	1.14	2.92	21.34	768	17	See Table	BK
570006	831209	10	12	104	1.14	3.30	27.10	1263	12	See Table	BK

\* Ampacities are based on TABLE 400.5(A)(1) of the 2023 National Electrical Code and CEC Table 12.



**Color Table**

Stock Number	Size (AWG)	Conductor Number	Insulation Color	Filler/Binder
570034	18	10	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe	None/Paper
570037	18	12	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe	None/Paper
598302	18	14	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe	None/Paper
570039	18	16	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe	None/Paper
570042	18	20	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe, BK-RD 1xStripe, WE-RD 1xStripe, GN-RD 1xStripe, OE-RD 1xStripe	None/Paper
570043	18	24	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe, BK-RD 1xStripe, WE-RD 1xStripe, GN-RD 1xStripe, OE-RD 1xStripe, BE-RD 1xStripe, BK-WE 2xStripe, RD-WE 2xStripe, GN-WE 2xStripe	None/Paper
571692	18	30	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe, BK-RD 1xStripe, WE-RD 1xStripe, GN-RD 1xStripe, OE-RD 1xStripe, BE-RD 1xStripe, BK-WE 2xStripe, RD-WE 2xStripe, GN-WE 2xStripe, OE-WE 2xStripe, BE-WE 2xStripe, WE-BK 2xStripe, RD-BK 2xStripe, GN-BK 2xStripe, OE-BK 2xStripe	None/Paper
560526	16	10	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe	Paper/Paper
560527	16	12	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe	Paper/Paper
598305	16	14	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe	Paper/Paper
560528	16	16	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe	None/Paper
570018	16	20	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe, BK-RD 1xStripe, WE-RD 1xStripe, GN-RD 1xStripe, OE-RD 1xStripe	None/Paper
570019	16	24	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe, BK-RD 1xStripe, WE-RD 1xStripe, GN-RD 1xStripe, OE-RD 1xStripe, BE-RD 1xStripe, BK-WE 2xStripe, RD-WE 2xStripe, GN-WE 2xStripe	None/Paper
570026	16	30	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe, BK-RD 1xStripe, WE-RD 1xStripe, GN-RD 1xStripe, OE-RD 1xStripe, BE-RD 1xStripe, BK-WE 2xStripe, RD-WE 2xStripe, GN-WE 2xStripe, OE-WE 2xStripe, BE-WE 2xStripe, WE-BK 2xStripe, RD-BK 2xStripe, GN-BK 2xStripe, OE-BK 2xStripe	Paper/Mylar
569994	14	10	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe	Paper/Paper
571270	14	12	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe	Paper/Paper
569995	14	14	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe	Paper/Paper
569997	14	16	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe	Paper/String
571397	12	9	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe	None/Paper
569981	12	10	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe	Paper/Paper
569982	12	12	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe	None/Paper
598307	12	14	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe	Paper/Paper
569983	12	20	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe, RD-BK 1xStripe, GN-BK 1xStripe, OE-BK 1xStripe, BE-BK 1xStripe, BK-RD 1xStripe, WE-RD 1xStripe, GN-RD 1xStripe, OE-RD 1xStripe	Poly/Paper





Stock Number	Size (AWG)	Conductor Number	Insulation Color	Filler/Binder
595662	10	10	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe	Paper/Paper
570006	10	12	BK, WE, RD, GN, OE, BE, BK-WE 1xStripe, RD-WE 1xStripe, GN-WE 1xStripe, OE-WE 1xStripe, BE-WE 1xStripe, WE-BK 1xStripe	None/Paper

