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

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

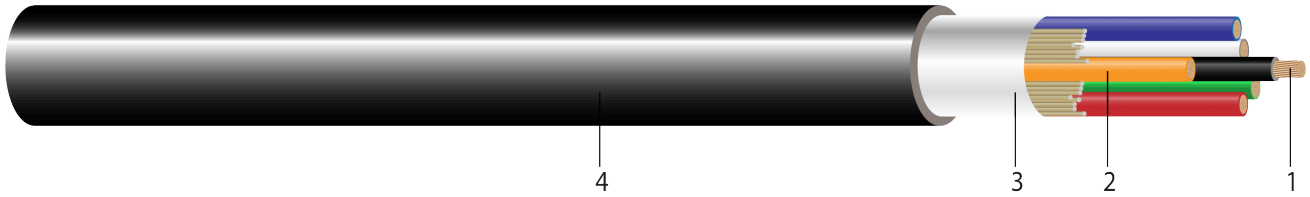

Image not to scale. See Table 1 for dimensions.

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 ({mm2}) 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.

Copyright © 2024 Southwire Company, LLC. All Rights Reserved

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		
558235	830505	18	5	16	30	95	0.465	134	5	BK/WE/ RD/G	Black
558236	830605	18	6	16	30	85	0.488	137	5	BK/WE/ RD/G	Black
558237	830705	18	7	16	30	80	0.488	138	4	BK/WE/ RD/G	Black
558238	830805	18	8	16	30	85	0.521	162	4	BK/RD-BK/ W	Black
570034	831005	18	10	16	30	90	0.596	200	3	BK/WE/ RD/G	Black
570037	831205	18	12	16	30	90	0.617	226	3	BK/WE/ RD/G	Black
598302	831405	18	14	16	30	90	0.640	253	3	BK/WE/ RD/G	Black
570039	831605	18	16	16	30	100	0.668	282	3	BK/WE/ RD/G	Black
570042	832005	18	20	16	30	95	0.739	330	3	BK/WE/ RD/G	Black
570043	832405	18	24	16	30	110	0.830	409	3	BK/WE/ RD/G	Black
571692	833005	18	30	16	30	100	0.868	456	3	BK/WE/ RD/G	Black
558232	830606	16	6	26	30	90	0.494	164	8	BK/WE/ RD/G	Black
558231	830506	16	5	26	30	95	0.514	162	8	BK/WE/ RD/G	Black
558234	830806	16	8	26	30	90	0.515	191	7	BK/WE/ RD/G	Black
558233	830706	16	7	26	30	90	0.564	201	7	BK/WE/ RD/G	Black
560526	831006	16	10	26	30	90	0.648	271	5	BK/WE/ RD/G	Black
560527	831206	16	12	26	30	105	0.696	324	5	BK/WE/ RD/G	Black
598305	831406	16	14	26	30	110	0.727	337	5	BK/WE/ RD/G	Black
570018	832006	16	20	26	30	95	0.774	406	5	BK/WE/ RD/G	Black
560528	831606	16	16	26	30	110	0.778	373	5	BK/WE/ RD/G	Black
570019	832406	16	24	26	30	110	0.919	507	4	BK/WE/ RD/G	Black
570026	833006	16	30	26	30	130	0.982	647	4	BK/WE/ RD/G	Black
558147	830507	14	5	41	45	105	0.655	254	12	BK/WE/ RD/G	Black
558149	830607	14	6	41	45	105	0.664	323	12	BK/WE/ RD/G	Black

Copyright © 2024 Southwire Company, LLC. All Rights Reserved

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		
558150	830707	14	7	41	45	95	0.712	312	10	BK/WE/ RD/G	Black
558230	830807	14	8	41	45	115	0.730	346	10	BK/WE/ RD/G	Black
569994	831007	14	10	41	45	110	0.770	404	7	BK/WE/ RD/G	Black
571270	831207	14	12	41	45	110	0.883	471	7	BK/WE/ RD/G	Black
569995	831407	14	14	41	45	130	0.980	602	7	BK/WE/ RD/G	Black
569997	831607	14	16	41	45	130	1.016	642	7	BK/WE/ RD/G	Black
569999	832407	14	24	41	45	135	1.175	880	6	BK/WE/ RD/G	Black
570004	833007	14	30	41	45	125	1.338	1047	6	BK/WE/ RD/G	Black
558104	830508	12	5	65	45	100	0.709	295	16	BK/WE/ RD/G	Black
558144	830608	12	6	65	45	110	0.740	379	16	BK/WE/ RD/G	Black
558145	830708	12	7	65	45	95	0.740	353	14	BK/WE- BK/B	Black
558146	830808	12	8	65	45	110	0.796	429	14	BK/WE/ RD/G	Black
571397	830908	12	9	65	45	110	0.852	483	14	BK/WE/ RD/G	Black
569981	831008	12	10	65	45	100	0.894	500	10	BK/WE/ RD/G	Black
569982	831208	12	12	65	45	130	1.029	639	10	BK/WE/ RD/G	Black
598307	831408	12	14	65	45	130	1.035	704	10	BK/WE/ RD/G	Black
569983	832008	12	20	65	45	115	1.200	939	10	BK/WE/ RD/G	Black
569987	833708	12	37	65	45	130	1.536	1560	8	BK/WE/ RD/G	Black
558103	830509	10	5	104	45	120	0.772	444	20	BK/WE/ RD/G	Black
569979	830609	10	6	104	45	110	0.830	483	20	BK/WE/ RD/G	Black
569980	830709	10	7	104	45	115	0.840	516	17	BK/WE- BK/B	Black
595662	831009	10	10	104	45	130	1.029	735	12	BK/WE/ RD/G	Black
570006	831209	10	12	104	45	130	1.067	849	12	BK/WE/ RD/G	Black

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.

Copyright © 2024 Southwire Company, LLC. All Rights Reserved

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		
558235	830505	18	5	16	0.76	2.41	11.81	199	5	BK/WE/ RD/G	Black
558236	830605	18	6	16	0.76	2.16	12.40	204	5	BK/WE/ RD/G	Black
558237	830705	18	7	16	0.76	2.03	12.40	205	4	BK/WE/ RD/G	Black
558238	830805	18	8	16	0.76	2.16	13.23	241	4	BK/RD-BK/ W	Black
570034	831005	18	10	16	0.76	2.29	15.14	298	3	BK/WE/ RD/G	Black
570037	831205	18	12	16	0.76	2.29	15.67	336	3	BK/WE/ RD/G	Black
598302	831405	18	14	16	0.76	2.29	16.26	377	3	BK/WE/ RD/G	Black
570039	831605	18	16	16	0.76	2.54	16.97	420	3	BK/WE/ RD/G	Black
570042	832005	18	20	16	0.76	2.41	18.77	491	3	BK/WE/ RD/G	Black
570043	832405	18	24	16	0.76	2.79	21.08	609	3	BK/WE/ RD/G	Black
571692	833005	18	30	16	0.76	2.54	22.05	679	3	BK/WE/ RD/G	Black
558232	830606	16	6	26	0.76	2.29	12.55	244	8	BK/WE/ RD/G	Black
558231	830506	16	5	26	0.76	2.41	13.06	241	8	BK/WE/ RD/G	Black
558234	830806	16	8	26	0.76	2.29	13.08	284	7	BK/WE/ RD/G	Black
558233	830706	16	7	26	0.76	2.29	14.33	299	7	BK/WE/ RD/G	Black
560526	831006	16	10	26	0.76	2.29	16.46	403	5	BK/WE/ RD/G	Black
560527	831206	16	12	26	0.76	2.67	17.68	482	5	BK/WE/ RD/G	Black
598305	831406	16	14	26	0.76	2.79	18.47	502	5	BK/WE/ RD/G	Black
570018	832006	16	20	26	0.76	2.41	19.66	604	5	BK/WE/ RD/G	Black
560528	831606	16	16	26	0.76	2.79	19.76	555	5	BK/WE/ RD/G	Black
570019	832406	16	24	26	0.76	2.79	23.34	754	4	BK/WE/ RD/G	Black
570026	833006	16	30	26	0.76	3.30	24.94	963	4	BK/WE/ RD/G	Black
558147	830507	14	5	41	1.14	2.67	16.64	378	12	BK/WE/ RD/G	Black
558149	830607	14	6	41	1.14	2.67	16.87	481	12	BK/WE/ RD/G	Black

Copyright © 2024 Southwire Company, LLC. All Rights Reserved

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		
558150	830707	14	7	41	1.14	2.41	18.08	464	10	BK/WE/ RD/G	Black
558230	830807	14	8	41	1.14	2.92	18.54	515	10	BK/WE/ RD/G	Black
569994	831007	14	10	41	1.14	2.79	19.56	601	7	BK/WE/ RD/G	Black
571270	831207	14	12	41	1.14	2.79	22.43	701	7	BK/WE/ RD/G	Black
569995	831407	14	14	41	1.14	3.30	24.89	896	7	BK/WE/ RD/G	Black
569997	831607	14	16	41	1.14	3.30	25.81	955	7	BK/WE/ RD/G	Black
569999	832407	14	24	41	1.14	3.43	29.85	1310	6	BK/WE/ RD/G	Black
570004	833007	14	30	41	1.14	3.18	33.99	1558	6	BK/WE/ RD/G	Black
558104	830508	12	5	65	1.14	2.54	18.01	439	16	BK/WE/ RD/G	Black
558144	830608	12	6	65	1.14	2.79	18.80	564	16	BK/WE/ RD/G	Black
558145	830708	12	7	65	1.14	2.41	18.80	525	14	BK/WE- BK/B	Black
558146	830808	12	8	65	1.14	2.79	20.22	638	14	BK/WE/ RD/G	Black
571397	830908	12	9	65	1.14	2.79	21.64	719	14	BK/WE/ RD/G	Black
569981	831008	12	10	65	1.14	2.54	22.71	744	10	BK/WE/ RD/G	Black
569982	831208	12	12	65	1.14	3.30	26.14	951	10	BK/WE/ RD/G	Black
598307	831408	12	14	65	1.14	3.30	26.29	1048	10	BK/WE/ RD/G	Black
569983	832008	12	20	65	1.14	2.92	30.48	1397	10	BK/WE/ RD/G	Black
569987	833708	12	37	65	1.14	3.30	39.01	2322	8	BK/WE/ RD/G	Black
558103	830509	10	5	104	1.14	3.05	19.61	661	20	BK/WE/ RD/G	Black
569979	830609	10	6	104	1.14	2.79	21.08	719	20	BK/WE/ RD/G	Black
569980	830709	10	7	104	1.14	2.92	21.34	768	17	BK/WE- BK/B	Black
595662	831009	10	10	104	1.14	3.30	26.14	1094	12	BK/WE/ RD/G	Black
570006	831209	10	12	104	1.14	3.30	27.10	1263	12	BK/WE/ RD/G	Black

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

Copyright © 2024 Southwire Company, LLC. All Rights Reserved

Color Code

# of Conductor	Color Sequence	Tracer	# of Conductor	Color Sequence	Tracer
1	Black		21	Orange	Green
2	White		22	Black	White/Red
3	Red		23	White	Black/Red
4	Green		24	Red	Black/White
5	Orange		25	Green	Black/White
6	Blue		26	Orange	Black/White
7	White	Black	27	Blue	Black/White
8	Red	Black	28	Black	Red/Green
9	Green	Black	29	White	Red/Green
10	Orange	Black	30	Red	Black/Green
11	Blue	Black	31	Green	Black/Orange
12	Black	White	32	Orange	Black/Green
13	Red	White	33	Blue	White/Orange
14	Green	White	34	Black	White/Orange
15	Blue	White	35	White	Red/Orange
16	Black	Red	36	Orange	White/Blue
17	White	Red	37	White	Red/Blue
18	Orange	Red	38	Black	White/Green
19	Blue	Red	39	White	Black/Green
20	Red	Green	40	Red	White/Green