600V ROYAL® SOOW Cord 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.

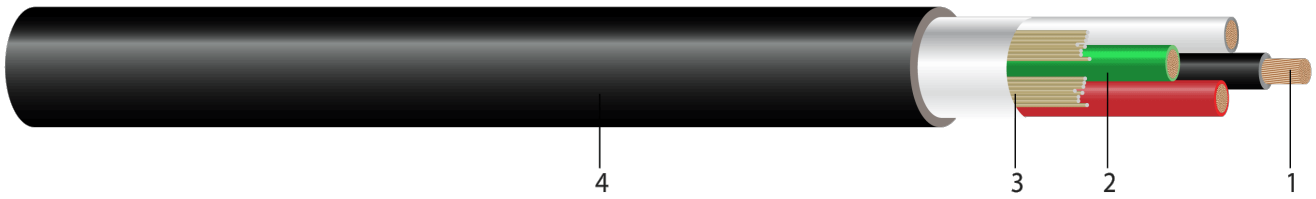


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class K stranded bare copper per ASTM B3 and B174
2. **Insulation:** Heat, moisture, and oil resistant EPDM
3. **Filler:** Waxed paper or rubber fillers, with a full cotton serve or paper separator wrapped around the assembly
4. **Jacket:** Heat, moisture, and oil resistant flexible black Chlorinated Polyethylene (CPE)

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 2023 National Electrical Code. The cable is rated -40°C to 90°C, sunlight, 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:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- UL 62 Flexible Cords and Cables
- CSA C22.2 No. 49 Flexible Cords and Cables
- MSHA Approved
- MSHA flame test - P-07-KA190005-MSHA
- Passes CSA FT2 Flame Test
- RoHS-3 Complies with European Directive 2015/863
- NEC Article 400 Flexible Cords, Cables and Fixture Wire
- Federal Specification J-C-580B

SAMPLE PRINT LEGEND:

{SQFTG} SOUTHWIRE® ROYAL® CORD 3/C XX AWG (X.XXX{mm2}) SOOW E46194 {UL} 600V -40°C TO 90°C -- {CSA} LL90458 SOOW 600V -40°C TO 90°C FT1, FT2 WATER RESISTANT {NOM}-ANCE -- {MSHA}

PACKAGING:

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

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity	DC Resistance	Insul. Color	Jacket Color
	AWG/ Kcmil	No.	No.	mil	mil	inch	lb/1000ft	Amp	Ω/1000ft		
558140◊	18	2	16	30	70	0.348	66	10	6.659	BK,WE	BK
558142◊	18	3	16	30	70	0.37	80	7	6.659	BK,WE,GN	BK
558143◊	18	4	16	30	70	0.39	91	6	6.659	BK,WE,RD,GN	BK
558235◊	18	5	16	30	95	0.465	124	6	6.659	BK,WE,RD,GN,OE	BK
560018◊	16	2	26	30	80	0.375	82	13	4.181	BK,WE	BK
558100◊	16	3	26	30	70	0.395	94	10	4.181	BK,WE,GN	BK
558101◊	16	4	26	30	65	0.42	108	8	4.181	BK,WE,RD,GN	BK
558231◊	16	5	26	30	95	0.514	164	8	4.181	BK,WE,RD,GN,OE	BK
558138◊	14	2	41	45	90	0.508	136	18	2.621	BK,WE	BK
558099◊	14	3	41	45	90	0.53	165	15	2.621	BK,WE,GN	BK
558102◊	14	4	41	45	90	0.57	198	12	2.621	BK,WE,RD,GN	BK
558147◊	14	5	41	45	105	0.655	256	12	2.621	BK,WE,RD,GN,OE	BK
558139◊	12	2	65	45	130	0.575	193	25	1.652	BK,WE	BK
585842◊	12	3	65	45	115	0.605	226	20	1.652	GN,WE,BK	BK
558094◊	12	3	65	45	115	0.608	225	20	1.652	BK,WE,GN	BK
558095◊	12	4	65	45	105	0.65	267	16	1.652	BK,WE,RD,GN	BK
558104◊	12	5	65	45	140	0.719	330	16	1.652	BK,WE,RD,GN,OE	BK
558141◊	10	2	104	45	105	0.63	228	30	1.04	BK,WE	BK
558097◊	10	3	104	45	120	0.665	292	25	1.04	BK,WE,GN	BK
558096◊	10	4	104	45	105	0.702	339	20	1.04	BK,WE,RD,GN	BK
558103◊	10	5	104	45	105	0.775	401	20	1.04	BK,WE,RD,GN,OE	BK
560039◊	8	3	133	60	125	0.848	427	35	0.708	BK,WE,GN	BK
631387◊	8	3	133	60	125	0.849	445	35	0.708	BK,RD,GN	BK
630726◊	8	4	133	60	155	0.954	596	28	0.708	BK,WE,RD,GN	BK
596961◊	8	5	133	60	160	1.039	719	28	0.708	BK,WE,RD,GN,OE	BK
560041◊	6	3	133	60	190	0.99	675	45	0.419	BK,WE,GN	BK
560042◊	6	4	133	60	200	1.075	830	36	0.419	BK,WE,RD,GN	BK
562068◊	6	5	133	60	215	1.192	1030	36	0.419	BK,WE,RD,GN,OE	BK
570054◊	4	3	427	60	175	1.137	888	60	0.263	BK,WE,GN	BK
560925◊	4	4	427	60	165	1.257	1145	48	0.263	BK,WE,RD,GN	BK
562067◊	4	5	427	60	180	1.396	1443	48	0.263	BK,WE,RD,GN,OE	BK
560928◊	2	4	168	60	200	1.48	1691	64	0.167	BK,WE,RD,GN	BK

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Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity	DC Resistance	Insul. Color	Jacket Color
	AWG/ Kcmil	No.	No.	mil	mil	inch	lb/1000ft	Amp	Ω/1000ft		
562065◊	2	5	168	60	250	1.716	2051	64	0.167	BK,WE,RD,GN,OE	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.

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Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *	DC Resistance	Insul. Color	Jacket Color
	AWG/ Kcmil	No.	No.	mm	mm	mm	kg/km	Amp	Ω/km		
558140◊	18	2	16	0.76	1.78	8.84	98	10	21.85	BK,WE	BK
558142◊	18	3	16	0.76	1.78	9.40	119	7	21.85	BK,WE,GN	BK
558143◊	18	4	16	0.76	1.78	9.91	135	6	21.85	BK,WE,RD,GN	BK
558235◊	18	5	16	0.76	2.41	11.81	185	6	21.85	BK,WE,RD,GN,OE	BK
560018◊	16	2	26	0.76	2.03	9.52	122	13	13.72	BK,WE	BK
558100◊	16	3	26	0.76	1.78	10.03	140	10	13.72	BK,WE,GN	BK
558101◊	16	4	26	0.76	1.65	10.67	161	8	13.72	BK,WE,RD,GN	BK
558231◊	16	5	26	0.76	2.41	13.06	244	8	13.72	BK,WE,RD,GN,OE	BK
558138◊	14	2	41	1.14	2.29	12.90	202	18	8.60	BK,WE	BK
558099◊	14	3	41	1.14	2.29	13.46	246	15	8.60	BK,WE,GN	BK
558102◊	14	4	41	1.14	2.29	14.48	295	12	8.60	BK,WE,RD,GN	BK
558147◊	14	5	41	1.14	2.67	16.64	381	12	8.60	BK,WE,RD,GN,OE	BK
558139◊	12	2	65	1.14	3.30	14.60	287	25	5.42	BK,WE	BK
585842◊	12	3	65	1.14	2.92	15.37	336	20	5.42	GN,WE,BK	BK
558094◊	12	3	65	1.14	2.92	15.44	335	20	5.42	BK,WE,GN	BK
558095◊	12	4	65	1.14	2.67	16.51	397	16	5.42	BK,WE,RD,GN	BK
558104◊	12	5	65	1.14	3.56	18.26	491	16	5.42	BK,WE,RD,GN,OE	BK
558141◊	10	2	104	1.14	2.67	16.00	339	30	3.41	BK,WE	BK
558097◊	10	3	104	1.14	3.05	16.89	435	25	3.41	BK,WE,GN	BK
558096◊	10	4	104	1.14	2.67	17.83	504	20	3.41	BK,WE,RD,GN	BK
558103◊	10	5	104	1.14	2.67	19.69	597	20	3.41	BK,WE,RD,GN,OE	BK
560039◊	8	3	133	1.52	3.18	21.54	635	35	2.32	BK,WE,GN	BK
631387◊	8	3	133	1.52	3.18	21.56	662	35	2.32	BK,RD,GN	BK
630726◊	8	4	133	1.52	3.94	24.23	887	28	2.32	BK,WE,RD,GN	BK
596961◊	8	5	133	1.52	4.06	26.39	1070	28	2.32	BK,WE,RD,GN,OE	BK
560041◊	6	3	133	1.52	4.83	25.15	1005	45	1.37	BK,WE,GN	BK
560042◊	6	4	133	1.52	5.08	27.30	1235	36	1.37	BK,WE,RD,GN	BK
562068◊	6	5	133	1.52	5.46	30.28	1533	36	1.37	BK,WE,RD,GN,OE	BK
570054◊	4	3	427	1.52	4.44	28.88	1321	60	0.86	BK,WE,GN	BK
560925◊	4	4	427	1.52	4.19	31.93	1704	48	0.86	BK,WE,RD,GN	BK
562067◊	4	5	427	1.52	4.57	35.46	2147	48	0.86	BK,WE,RD,GN,OE	BK
560928◊	2	4	168	1.52	5.08	37.59	2516	64	0.55	BK,WE,RD,GN	BK

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Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *	DC Resistance	Insul. Color	Jacket Color
	AWG/ Kcmil	No.	No.	mm	mm	mm	kg/km	Amp	Ω/km		
562065◊	2	5	168	1.52	6.35	43.59	3052	64	0.55	BK,WE,RD,GN,OE	BK

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

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