



600V ROYAL® Shielded SOOW with Black Jacket 90°C. Silicone-Free

Rated -40°C to 90°C. Class K copper conductor. Heat, moisture and oil resistant EPDM rubber insulation. Heat, moisture and oil resistant flexible CPE jacket.

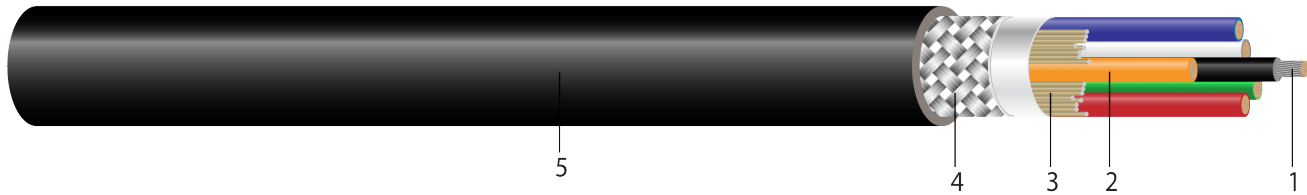


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Tinned flexible stranded Class K copper conductors
2. **Insulation:** Heat, moisture and oil resistant EPDM
3. **Filler:** Non-wicking wax paper fillers, with a tissue-paper separator wrapped around the assembly
4. **Shield:** Tinned CU braid shielding
5. **Jacket:** Heat, moisture and oil resistant flexible CPE jacket

APPLICATIONS AND FEATURES:

Southwire Type SOOW Flexible Cords are permitted for use as specified by Article 400 and related articles of the 2014 National Electrical Code. 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
- ICEA S-58-679 Control Cable Conductor Identification Method 1 Table 1
- 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
- Federal Specification J-C-580B
- OSHA Acceptable





Table 1 – Weights and Measurements

Stock Number	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		
570040	18	2	16	30	60	0.371	91	10	BK/WE	Black
570046	18	3	16	30	60	0.388	102	7	BK/WE/GN	Black
570047	18	4	16	30	60	0.419	124	5	BK/WE/RD/ G	Black
571413	18	5	16	30	80	0.494	173	5	BK/WE/RD/ G	Black
570050	18	6	16	30	80	0.519	174	5	BK/WE/RD/ G	Black
570053	18	8	16	30	80	0.554	204	4	BK/WE/RD/ G	Black
576078	18	10	16	30	80	0.641	253	3	BK/WE/RD/ G	Black
570035	18	12	16	30	80	0.651	276	3	BK/WE/RD/ G	Black
575066	18	16	16	30	90	0.756	389	3	BK/WE/RD/ G	Black
571439	16	2	26	30	55	0.385	116	13	BK/WE	Black
571690	16	3	26	30	60	0.417	123	10	BK/WE/GN	Black
570027	16	4	26	30	60	0.445	146	8	BK/WE/RD/ G	Black
570031	16	8	26	30	80	0.594	251	7	BK/WE/RD/ G	Black
570012	16	12	26	30	95	0.729	363	5	BK/WE/RD/ G	Black
570013	16	16	26	30	95	0.793	442	5	BK/WE/RD/ G	Black
587862	14	2	41	45	80	0.535	174	18	BK/WE	Black
571277	14	3	41	45	80	0.565	210	15	BK/WE/GN	Black
570008	14	4	41	45	80	0.609	251	12	BK/WE/RD/ G	Black
571316	12	2	65	45	95	0.600	228	25	BK/WE	Black
571400	12	3	65	45	100	0.629	268	20	BK/WE/GN	Black
569989	12	4	65	45	100	0.677	317	16	BK/WE/RD/ G	Black
585957	10	3	104	45	95	0.685	321	25	BK/WE/GN	Black

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item





Table 2 – Weights and Measurements (Metric)

Stock Number	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		
570040	18	2	16	0.76	1.52	9.42	135	10	BK/WE	Black
570046	18	3	16	0.76	1.52	9.86	152	7	BK/WE/GN	Black
570047	18	4	16	0.76	1.52	10.64	185	5	BK/WE/RD/ G	Black
571413	18	5	16	0.76	2.03	12.55	257	5	BK/WE/RD/ G	Black
570050	18	6	16	0.76	2.03	13.18	259	5	BK/WE/RD/ G	Black
570053	18	8	16	0.76	2.03	14.07	304	4	BK/WE/RD/ G	Black
576078	18	10	16	0.76	2.03	16.28	377	3	BK/WE/RD/ G	Black
570035	18	12	16	0.76	2.03	16.54	411	3	BK/WE/RD/ G	Black
575066	18	16	16	0.76	2.29	19.20	579	3	BK/WE/RD/ G	Black
571439	16	2	26	0.76	1.40	9.78	173	13	BK/WE	Black
571690	16	3	26	0.76	1.52	10.59	183	10	BK/WE/GN	Black
570027	16	4	26	0.76	1.52	11.30	217	8	BK/WE/RD/ G	Black
570031	16	8	26	0.76	2.03	15.09	374	7	BK/WE/RD/ G	Black
570012	16	12	26	0.76	2.41	18.52	540	5	BK/WE/RD/ G	Black
570013	16	16	26	0.76	2.41	20.14	658	5	BK/WE/RD/ G	Black
587862	14	2	41	1.14	2.03	13.59	259	18	BK/WE	Black
571277	14	3	41	1.14	2.03	14.35	313	15	BK/WE/GN	Black
570008	14	4	41	1.14	2.03	15.47	374	12	BK/WE/RD/ G	Black
571316	12	2	65	1.14	2.41	15.24	339	25	BK/WE	Black
571400	12	3	65	1.14	2.54	15.98	399	20	BK/WE/GN	Black
569989	12	4	65	1.14	2.54	17.20	472	16	BK/WE/RD/ G	Black
585957	10	3	104	1.14	2.41	17.40	478	25	BK/WE/GN	Black

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

