

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.

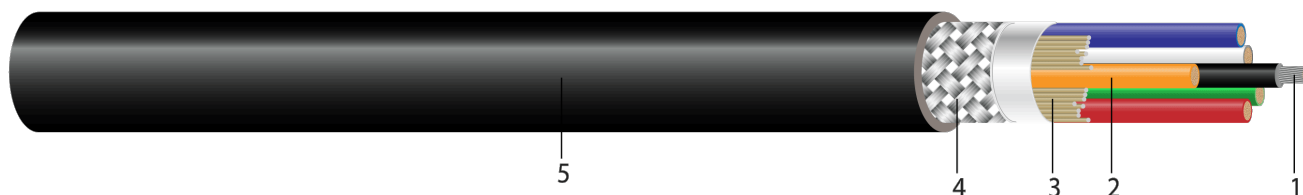


Image not to scale. See Table 1 for dimensions.

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



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Table 1 – Weights and Measurements

Stock Number	Cond. Size AWG/Kcmil	Cond. Number Count	Cond. Strands # x AWG	Insul. Thickness mil	Jacket Thickness mil	Approx. OD inch	Approx. Weight lb/1000ft
570040	18	2	16	30	60	0.371	92
570046	18	3	16	30	60	0.388	103
570047	18	4	16	30	60	0.419	126
571413	18	5	16	30	80	0.494	173
570050	18	6	16	30	80	0.519	177
570053	18	8	16	30	80	0.554	207
576078	18	10	16	30	80	0.641	256
570035	18	12	16	30	80	0.651	280
575066	18	16	16	30	90	0.756	389
571439	16	2	26	30	55	0.385	118
571690	16	3	26	30	60	0.417	125
570027	16	4	26	30	60	0.445	148
570031	16	8	26	30	80	0.594	254
570012	16	12	26	30	95	0.729	368
570013	16	16	26	30	95	0.793	442
587862	14	2	41	45	80	0.535	174
571277	14	3	41	45	80	0.565	213
570008	14	4	41	45	80	0.609	255
571316	12	2	65	45	95	0.600	232
571400	12	3	65	45	100	0.629	272
569989	12	4	65	45	100	0.677	322
585957	10	3	104	45	95	0.685	326

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 AWG/Kcmil	Cond. Number Count	Cond. Strands # x AWG	Insul. Thickness mm	Jacket Thickness mm	Approx. OD mm	Approx. Weight kg/km
570040	18	2	16	0.76	1.52	9.42	137
570046	18	3	16	0.76	1.52	9.86	153
570047	18	4	16	0.76	1.52	10.64	188
571413	18	5	16	0.76	2.03	12.55	257
570050	18	6	16	0.76	2.03	13.18	263
570053	18	8	16	0.76	2.03	14.07	308
576078	18	10	16	0.76	2.03	16.28	381
570035	18	12	16	0.76	2.03	16.54	417
575066	18	16	16	0.76	2.29	19.20	579
571439	16	2	26	0.76	1.40	9.78	176
571690	16	3	26	0.76	1.52	10.59	186
570027	16	4	26	0.76	1.52	11.30	220
570031	16	8	26	0.76	2.03	15.09	378
570012	16	12	26	0.76	2.41	18.52	548
570013	16	16	26	0.76	2.41	20.14	658
587862	14	2	41	1.14	2.03	13.59	259
571277	14	3	41	1.14	2.03	14.35	317
570008	14	4	41	1.14	2.03	15.47	379
571316	12	2	65	1.14	2.41	15.24	345
571400	12	3	65	1.14	2.54	15.98	405
569989	12	4	65	1.14	2.54	17.20	479
585957	10	3	104	1.14	2.41	17.40	485

