

## 600V ROYAL® Shielded SOOW with Black Jacket 90°C

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.

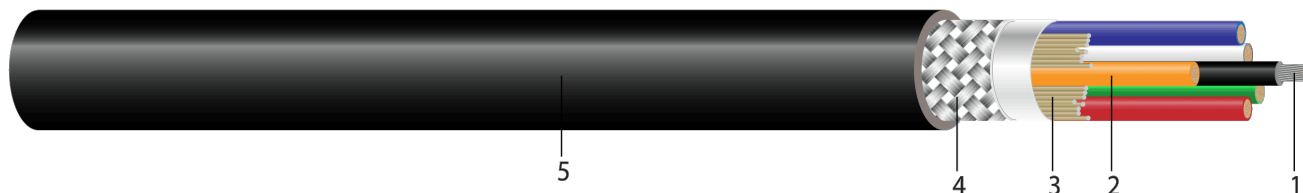


Image not to scale. See Table 1 for dimensions.

### 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 AWG/Kcmil	Cond. Number Count	Cond. Strands # x AWG	Insul. Thickness mil	Jacket Thickness mil	Approx. OD inch
570040	18	2	16 X 30	30	60	0.375
570046	18	3	16 X 30	30	60	0.39
570047	18	4	16 X 30	30	60	0.405
571413	18	5	16 X 30	30	80	0.48
570050	18	6	16 X 30	30	80	0.495
TBA	18	7	16 X 30	30	80	0.52
570053	18	8	16 X 30	30	80	0.535
TBA	18	10	16 X 30	30	80	0.585
570035	18	12	16 X 30	30	80	0.615
575066	18	16	16 X 30	30	95	0.74
TBA	18	20	16 X 30	30	95	0.79
571690	16	3	26 X 30	30	60	0.415
571439	16	2	26 X 30	30	60	0.420
570027	16	4	26 X 30	30	60	0.45
TBA	16	5	26 X 30	30	80	0.53
TBA	16	6	26 X 30	30	80	0.55
TBA	16	7	26 X 30	30	80	0.56
570031	16	8	26 X 30	30	80	0.59
TBA	16	10	26 X 30	30	80	0.66
570012	16	12	26 X 30	30	95	0.71
570013	16	16	26 X 30	30	95	0.79
TBA	16	20	26 X 30	30	95	0.85
TBA	14	2	41 X 30	30	80	0.53
571277	14	3	41 X 30	30	80	0.545
570008	14	4	41 X 30	30	80	0.59
TBA	14	5	41 X 30	30	95	0.68
TBA	14	6	41 X 30	30	95	0.72
TBA	14	7	41 X 30	30	95	0.72
TBA	14	8	41 X 30	30	95	0.77
TBA	14	12	41 X 30	30	95	0.925
571316	12	2	65 X 30	30	95	0.595
571400	12	3	65 X 30	30	95	0.625
569989	12	4	65 X 30	30	95	0.675
TBA	12	5	65 X 30	30	95	0.735
TBA	12	6	65 X 30	30	95	0.78
TBA	12	7	65 X 30	30	95	0.78
TBA	12	8	65 X 30	30	95	0.835
TBA	10	3	104 X 30	45	95	0.66
TBA	10	4	104 X 30	45	95	0.71

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
570040	18	2	16 X 30	0.76	1.52	9.52
570046	18	3	16 X 30	0.76	1.52	9.91
570047	18	4	16 X 30	0.76	1.52	10.29
571413	18	5	16 X 30	0.76	2.03	12.19
570050	18	6	16 X 30	0.76	2.03	12.57
TBA	18	7	16 X 30	0.76	2.03	13.21
570053	18	8	16 X 30	0.76	2.03	13.59
TBA	18	10	16 X 30	0.76	2.03	14.86
570035	18	12	16 X 30	0.76	2.03	15.62
575066	18	16	16 X 30	0.76	2.41	18.80
TBA	18	20	16 X 30	0.76	2.41	20.07
571690	16	3	26 X 30	0.76	1.52	10.54
571439	16	2	26 X 30	0.76	1.52	10.67
570027	16	4	26 X 30	0.76	1.52	11.43
TBA	16	5	26 X 30	0.76	2.03	13.46
TBA	16	6	26 X 30	0.76	2.03	13.97
TBA	16	7	26 X 30	0.76	2.03	14.22
570031	16	8	26 X 30	0.76	2.03	14.99
TBA	16	10	26 X 30	0.76	2.03	16.76
570012	16	12	26 X 30	0.76	2.41	18.03
570013	16	16	26 X 30	0.76	2.41	20.07
TBA	16	20	26 X 30	0.76	2.41	21.59
TBA	14	2	41 X 30	0.76	2.03	13.46
571277	14	3	41 X 30	0.76	2.03	13.84
570008	14	4	41 X 30	0.76	2.03	14.99
TBA	14	5	41 X 30	0.76	2.41	17.27
TBA	14	6	41 X 30	0.76	2.41	18.29
TBA	14	7	41 X 30	0.76	2.41	18.29
TBA	14	8	41 X 30	0.76	2.41	19.56
TBA	14	12	41 X 30	0.76	2.41	23.50
571316	12	2	65 X 30	0.76	2.41	15.11
571400	12	3	65 X 30	0.76	2.41	15.88
569989	12	4	65 X 30	0.76	2.41	17.15
TBA	12	5	65 X 30	0.76	2.41	18.67
TBA	12	6	65 X 30	0.76	2.41	19.81
TBA	12	7	65 X 30	0.76	2.41	19.81
TBA	12	8	65 X 30	0.76	2.41	21.21
TBA	10	3	104 X 30	1.14	2.41	16.76
TBA	10	4	104 X 30	1.14	2.41	18.03

