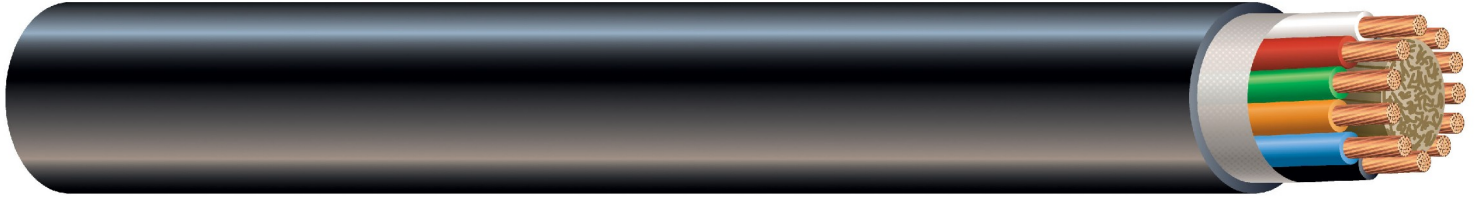


## 3-9 SOOW ROYAL® MULTI-CONDUCTOR SOOW

**Royal® 90°C Rubber Cord. 600 Volts.  
Flexible Stranding. Flame and Ozone Resistant.  
Black Jacket. Rated -40°C to 90°C.  
RoHS Compliant. UL Listed and CSA Certified for Indoor and Outdoor Use.  
Provides Premium Oil Resistance, Water Resistant and High Flexibility.  
Excellent Abrasion Resistance. Rated Extra-Hard Usage.**



### APPLICATIONS

Southwire Type SOOW Multi-Conductor Flexible Cords are permitted for use as specified by Article 400 and related articles of circuits, tools, heavy industrial, processing and construction equipment.

### SPECIFICATIONS

Southwire Type SOOW Multi-Conductor Flexible Cords comply with:

- UL 62
- CSA Standard 22.2 No. 49
- MSHA Listed - P07-KA070018-MSHA
- Federal and Military Specification J-C-580B
- NEC Article 400
- OSHA acceptable
- RoHS/REACH
- Hazardous Locations: Class I Div.1 and 2 and Class II Div. 1 and 2 per NFPA 70, 501.140

### CONSTRUCTION

Southwire Type SOOW Multi-Conductor Flexible Cords are manufactured using bare flexible stranded Class K copper conductors, and heat, moisture and oil resistant EPDM rubber insulation. The insulated conductors are cabled with non-wicking wax paper fillers, with a tissue-paper separator wrapped around the assembly to promote easier removal of the jacket. A heat, moisture and oil resistant flexible CPE jacket is extruded over the assembly to complete the construction. Sizes 18 AWG through 10 AWG fully annealed stranded bare copper per ASTM B-174. Some sizes may be subject to minimum order quantity.

# Viper Rubber Type Multi-Conductor Type SOOW Control

Conductor Size (AWG)	Conductor Stranding (#/AWG)	Nominal Insulation Thickness (mils)	Nominal Jacket Wall (mils)	Nominal Overall Diameter (mils)	Weight** (lbs/1000ft)	Ampacity*
18/5	16 X 30	30	80	465	132	5.6
18/6	16 X 30	30	80	500	142	5.6
18/7	16 X 30	30	80	500	156	4.9
18/8	16 X 30	30	80	530	173	4.9
18/9	16 X 30	30	80	565	189	4.9
18/10	16 X 30	30	80	585	205	3.5
18/12	16 X 30	30	80	615	230	3.5
18/14	16 X 30	30	80	655	262	3.5
18/16	16 X 30	30	95	715	262	3.5
18/20	16 X 30	30	95	770	366	3.5
18/24	16 X 30	30	95	830	426	3.1
18/30	16 X 30	30	95	905	505	3.1
18/50	16 X 30	30	110	1125	803	1.3
16/5	26 X 30	30	80	500	157	8.0
16/6	26 X 30	30	80	535	178	8.0
16/7	26 X 30	30	80	535	189	7.0
16/8	26 X 30	30	80	575	214	7.0
16/9	26 X 30	30	80	610	242	7.0
16/10	26 X 30	30	80	635	252	5.0
16/12	26 X 30	30	95	695	317	5.0
16/14	26 X 30	30	95	740	363	5.0
16/16	26 X 30	30	95	780	390	5.0
16/18	26 X 30	30	95	815	429	5.0
16/20	26 X 30	30	95	835	469	5.0
16/24	26 X 30	30	95	905	543	4.5
16/30	26 X 30	30	110	1020	681	4.5
16/37	26 X 30	30	110	1095	798	4.0
16/39	26 X 30	30	110	1115	838	4.0
16/40	26 X 30	30	110	1130	850	4.0
16/44	26 X 30	30	110	1180	959	4.0
16/60	26 X 30	30	125	1365	1248	3.5
14/5	41 X 30	45	95	655	299	12
14/6	41 X 30	45	95	705	357	10.5
14/7	41 X 30	45	95	705	364	10.5
14/8	41 X 30	45	95	760	435	10.5
14/10	41 X 30	45	95	840	531	7.5
14/12	41 X 30	45	95	885	609	7.5
14/14	41 X 30	45	95	945	678	7.5
14/16	41 X 30	45	110	1025	806	7.5

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14/20	41 X 30	45	110	1105	955	7.5
14/24	41 X 30	45	110	1200	1130	6.8
14/36	41 X 30	45	125	1445	1653	6.0
14/37	41 X 30	45	125	1445	1681	6.0
14/40	41 X 30	45	125	1500	1787	6.0
14/50	41 X 30	45	125	1635	1992	5.0
12/5	65 X 30	45	95	710	343	16
12/6	65 X 30	45	95	765	376	16
12/7	65 X 30	45	95	765	405	14
12/8	65 X 30	45	95	825	457	14
12/9	65 X 30	45	95	880	510	14
12/10	65 X 30	45	95	915	558	10
12/12	65 X 30	45	110	995	662	10
12/16	65 X 30	45	110	1120	843	10
12/20	65 X 30	45	110	1210	1015	10
12/24	65 X 30	45	125	1340	1226	9
12/30	65 X 30	45	125	1470	1470	9
12/37	65 X 30	45	125	1585	1749	8
12/40	65 X 30	45	125	1645	1872	8
12/50	65 X 30	45	140	1830	2269	7
10/5	104 X 30	45	95	775	425	20
10/6	104 X 30	45	95	840	468	20
10/7	104 X 30	45	95	840	511	17.5
10/8	104 X 30	45	95	905	600	17.5
10/9	104 X 30	45	110	1000	667	20
10/10	104 X 30	45	110	1040	746	12.5
10/12	104 X 30	45	110	1095	876	12.5
10/16	104 X 30	45	110	1235	1110	12.5
10/20	104 X 30	45	125	1365	1388	12.5
10/24	104 X 30	45	125	1485	1636	11.25
10/30	104 X 30	45	125	1630	1973	11.25

\* Values shown are for current-carrying conductors. A grounding conductor, or one which carries only the unbalanced current from other conductors, is **NOT** counted in determining current-carrying capacity.

\*\* Actual shipping weight may vary.

# Viper Rubber Type Multi-Conductor Type SOOW Control

Color Code					
No. Of Conductors	Color Sequence	Tracer	No. Of Conductors	Color Sequence	Tracer
1	Black		12	Black	White
2	White		13	Red	White
3	Red		14	Green	White
4	Green		15	Blue	White
5	Orange		16	Black	Red
6	Blue		17	White	Red
7	White	Black	18	Orange	Red
8	Red	Black	19	Blue	Red
9	Green	Black	20	Red	Green
10	Orange	Black	21	Orange	Green
11	Blue	Black			

Note: Colors repeat after 21 conductors.