VIPER® TYPE SOOW

600 Volts

Flexible Stranding

Flame & Ozone Resistant

Black Jacket

-40°C to 90°C

RoHS Compliant

UL Listed & CSA Certified for Indoor & Outdoor Use

Provides Premium Oil Resistance & High Flexibility

Excellent Abrasion Resistance

NEC, Rated Extra-Hard Usage

APPLICATIONS

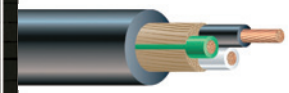
Southwire Type SOOW Flexible Cords are permitted for use as specified by Article 400 and related articles of the National Electrical Code. Southwire Type SOOW Flexible Cords are designed for extra hard usage on industrial equipment, heavy tools, battery chargers, portable lights welding leads, marine dockside power, power extensions and mining applications.

INDUSTRY APPROVALS

- UL 62
- CSA Standard 22.2 No. 49
- OSHA Acceptable
- MSHA Listed. Passes MSHA Flame Test (P-136-MSHA)
- FT1 and FT2 Flame Test
- Sunlight Resistant
- UL and CSA Listed for continuous submersion in water
- SOOW can also be used for special applications as outlined in NFPA 70 paragraph 501. 140 Class I Division, 1 and 2 and paragraph 502.140 Class II Division 1 and 2 locations.

CONSTRUCTION

Southwire's Type SOOW Flexible Cords are manufactured using bare flexible stranded Class K copper conductors, with a heat, moisture and oil resistant EPDM rubber insulation. The insulated conductors are cabled with wax paper fillers. A tissue-paper separator is wrapped around the assembly to promote easy removal of the jacket. A heat, moisture and oil resistant flexible CPE jacket is extruded over the assembly to complete the construction.



WEIGHTS, MEASUREMENTS AND PACKAGING

CONDUCTOR SIZE (AWG)	CONDUCTOR STRANDING #/AWG	NOMINAL INSULATION THICKNESS (inch)	NOMINAL JACKET THICKNESS (inch)	NOMINAL OVERALL DIAMETER (inch)	WEIGHT (lbs/1000 ft)	AMPACITY
18/2	16/30	0.030	0.060	0.350	71	10
18/3	16/30	0.030	0.060	0.370	81	10
18/4	16/30	0.030	0.060	0.400	95	7
16/2	26/30	0.030	0.060	0.375	80	13
16/3	26/30	0.030	0.060	0.400	98	13
16/4	26/30	0.030	0.060	0.420	115	10
14/2	41/30	0.045	0.080	0.510	151	18
14/3	41/30	0.045	0.080	0.540	174	18
14/4	41/30	0.045	0.080	0.580	210	15
12/2	65/30	0.045	0.095	0.585	198	25
12/3	65/30	0.045	0.095	0.610	232	25
12/4	65/30	0.045	0.095	0.660	281	20
10/2	104/30	0.045	0.095	0.635	247	30
10/3	104/30	0.045	0.095	0.670	301	30
10/4	104/30	0.045	0.095	0.720	363	25
8/3	65/.0159	0.060	0.110	0.855	477	40
8/4	65/.0159	0.060	0.125	0.950	616	35
8/5	65/.0159	0.060	0.125	1.015	727	35
6/3	133/.0142	0.060	0.125	0.995	670	55
6/4	133/.0142	0.060	0.140	1.080	837	45
6/5	133/.0142	0.060	0.140	1.200	1038	45
4/3	133/.0179	0.060	0.140	1.160	956	70
4/4	133/.0179	0.060	0.155	1.280	1225	60
4/5	133/.0179	0.060	0.155	1.380	1424	60
2/3	168/.0201	0.060	0.155	1.335	1310	95
2/4	168/.0201	0.060	0.170	1.485	1712	80
2/5	168/.0201	0.060	0.170	1.500	2078	80

Ampacity values are based on NEC Table 400.5(A).

COLOR CODING

# OF CONDUCTORS	COLOR SEQUENCE
2	black, white
3	black, white, green
4	black, white, red, green
5	black, white, red, green, orange

Southwire® OEM Division