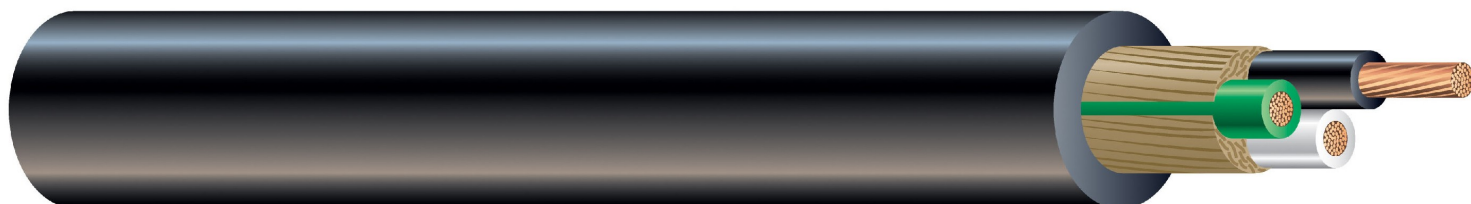


VIPER® SOOW

VIPER® 90°C 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.
 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.

SPECIFICATIONS

- UL 62
- CSA Standard 22.2 No. 49
- OSHA Acceptable
- MSHA Listed. Passes MSHA 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 jacket is extruded over the assembly to complete the construction.

Viper Rubber Type SOOW Black

| Conductor Size (AWG) | Conductor Stranding (#/AWG) | Nominal Insulation Thickness (in) | Nominal Jacket Thickness (in) | Nominal Overall Diameter (in) | Weight (lbs/1000ft) | Ampacity |
|----------------------|-----------------------------|-----------------------------------|-------------------------------|-------------------------------|---------------------|----------|
| 18/2 | 16 X 30 | 0.030 | 0.060 | 0.350 | 71 | 10 |
| 18/3 | 16 X 30 | 0.030 | 0.060 | 0.370 | 81 | 10 |
| 18/4 | 16 X 30 | 0.030 | 0.060 | 0.400 | 95 | 7 |
| 16/2 | 26 X 30 | 0.030 | 0.060 | 0.375 | 80 | 13 |
| 16/3 | 26 X 30 | 0.030 | 0.060 | 0.400 | 98 | 13 |
| 16/4 | 26 X 30 | 0.030 | 0.060 | 0.420 | 115 | 10 |
| 14/2 | 41 X 30 | 0.045 | 0.080 | 0.510 | 151 | 18 |
| 14/3 | 41 X 30 | 0.045 | 0.080 | 0.540 | 174 | 18 |
| 14/4 | 41 X 30 | 0.045 | 0.080 | 0.580 | 210 | 15 |
| 12/2 | 65 X 30 | 0.045 | 0.095 | 0.585 | 198 | 25 |
| 12/3 | 65 X 30 | 0.045 | 0.095 | 0.610 | 232 | 25 |
| 12/4 | 65 X 30 | 0.045 | 0.095 | 0.660 | 281 | 20 |
| 10/2 | 104 X 30 | 0.045 | 0.095 | 0.635 | 247 | 30 |
| 10/3 | 104 X 30 | 0.045 | 0.095 | 0.670 | 301 | 30 |
| 10/4 | 104 X 30 | 0.045 | 0.095 | 0.720 | 363 | 25 |
| 8/3 | 65 X .0159 | 0.060 | 0.110 | 0.855 | 477 | 40 |
| 8/4 | 65 x .0159 | 0.060 | 0.125 | 0.950 | 616 | 35 |
| 8/5 | 65 x .0159 | 0.060 | 0.125 | 1.015 | 727 | 35 |
| 6/3 | 133 X .0142 | 0.060 | 0.125 | 0.995 | 670 | 55 |
| 6/4 | 133 X .0142 | 0.060 | 0.140 | 1.080 | 837 | 45 |
| 6/5 | 133 X .0142 | 0.060 | 0.140 | 1.200 | 1038 | 45 |
| 4/3 | 133 X .0179 | 0.060 | 0.140 | 1.160 | 956 | 70 |
| 4/4 | 133 X .0179 | 0.060 | 0.155 | 1.280 | 1225 | 60 |
| 4/5 | 133 X .0179 | 0.060 | 0.155 | 1.380 | 1424 | 60 |
| 2/3 | 168 X .0201 | 0.060 | 0.155 | 1.335 | 1310 | 95 |
| 2/4 | 168 X .0201 | 0.060 | 0.170 | 1.485 | 1712 | 80 |
| 2/5 | 168 X .0201 | 0.060 | 0.170 | 1.500 | 2078 | 80 |

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

| # OF CONDUCTORS | COLOR SEQUENCE |
|-----------------|--|
| 2 | BLACK, WHITE  |
| 3 | BLACK, WHITE, GREEN  |
| 4 | BLACK, WHITE, RED, GREEN  |
| 5 | BLACK, WHITE, RED, GREEN, ORANGE  |