

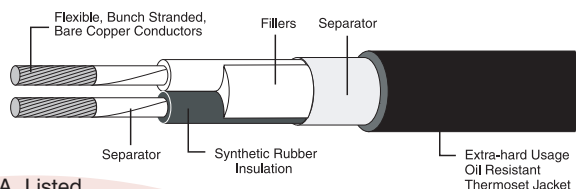
# PORTABLE POWER CABLE

## SOOW Type (NON-UL/NON-CSA)

Synthetic Rubber Insulation with Oil-Resistant Thermoset Jacket • SOOW Type 90°C (600V)

### FEATURES

- Sunlight, water, and weather resistant
- Resistant to oil, acid, impact, abrasion, water, flame and high temperature
- Passes MSHA flame test (P-XXX-MSHA)
- Maintains flexibility
- ICEA where applicable
- **Suitable for continuous submersion in water**



MSHA Listed

### APPLICATIONS

Designed for use with industrial equipment, heavy tools, battery chargers, portable lights and power extensions. SOOW is sunlight, water, oil and weather resistant and suitable for outdoor applications in the United States and in Canada.

### CONSTRUCTION

#### Conductors

Bare, annealed copper per ASTM B-3; flexible, bunch-stranded per UL-6; rope lay on sizes 6 - 2 AWG

#### Separator

A paper tape is applied between the conductor and insulation to facilitate stripping.

#### Insulation

Color coded synthetic rubber oil and water resistant UL-62

#### Cablig

Conductors are assembled round with fillers as needed. A separator is applied over the assembly.

#### Jacket

Oil resistant thermoset per UL-62

#### Color Coding

2/C: Black, White

3/C: Black, White, Green\*

4/C: Black, White, Red, Green\*

5/C: Black, White, Red, Green\*, Orange

\*Green conductor is used for grounding purposes only

PART NUMBER	CONDUCTOR			NOMINALS (INCHES)			AMPS <sup>1</sup>	SHIP WT. LBS./M FT.
	NO.	AWG.	STRAND	INSUL.	JACKET	O.D.		
04-0285	2	8	65x26	.050	.060	.615	40	280
04-0287	3	8	65x26	.050	.060	.655	40	354
04-0289	4	8	65x26	.050	.060	.715	35	450
04-0291	5	8	65x26	.050	.060	.785	35	560
04-0293	2	6	103x26	.050	.060	.690	55	375
04-0295	3	6	103x26	.050	.060	.730	55	491
04-0297	4	6	103x26	.050	.080	.845	45	661
04-0299	5	6	103x26	.050	.080	.925	45	811
04-0301	2	4	133x25	.050	.080	.900	70	595
04-0303	3	4	133x25	.050	.080	.955	70	795
04-0305	4	4	133x25	.050	.080	1.050	60	1010
04-0307	5	4	133x25	.050	.080	1.155	60	1211
04-0309	2	2	133x23	.050	.080	1.025	95	836
04-0311	3	2	133x23	.050	.080	1.090	95	1101
04-0313	4	2	133x23	.050	.080	1.200	80	1396
04-0315	5	2	133x23	.050	.080	1.325	80	1683

<sup>1</sup>Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 1997 NEC, Table 400-5(A). Ampacities for 3/C and 4/C cords assume 1 conductor is used as a ground or neutral and does not carry current. Ampacities for 5/C cords assume 2 conductors are used as ground and neutral and do not carry current.

#### Cable Identification

Surface print on jacket (listed types):

Example: "P-XXX-XX-MSHA (size) AWG (no. of conds.) SOOW Sun Res. 90°C 600V water and oil resistant"

#### Temperature Range

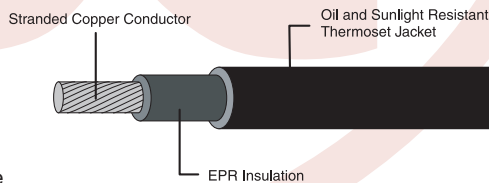
90°C to -40°C

## Single Conductor SOW

16 AWG - 10 AWG • 600 VOLTS • 90°C

### FEATURES

- Excellent flexibility
- Sunlight resistant
- Heavy-duty jackets
- Resistant to most oils and chemicals
- Abrasion resistant
- Flame retardant



OSHA Acceptable

### APPLICATIONS

Designed for use as motor and power leads where flexibility and portability are required.

### CONSTRUCTION

SOW • 600V • 90°C

Stranded, annealed bare copper conductor, EPR insulation, heavy-duty oil resistant thermoset jacket, surface print "(size) AWG SOW Type 600V 90°C"

PART NUMBER	SIZE	STRANDING	COND. O.D.	INSUL. THICK.	JACKET THICK.	NOMINAL O.D.	AMPS <sup>1</sup>	SHIP WT. LBS./M FT.
04-0317	16	26x.010	.060	.030	.030	.185	10	25
04-0319	14	41x.010	.075	.045	.030	.230	15	40
04-0321	12	65x.010	.095	.045	.030	.250	20	50
04-0323	10	104x.010	.120	.045	.030	.275	25	70

»Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.



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