

# PORTABLE POWER CABLE

## SOOW Type (UL/CSA)

EPDM Insulation/CPE Jacket • SOOW Type 90°C (600V)

### FEATURES

- UL listed (file no. E46194) as SOOW
- CSA certified (file no. LL8825) as SOOW
- OSHA acceptable
- MSHA listed
- Sunlight, water and weather resistant per UL & CSA
- Resistant to oil, acid, impact, abrasion, water, flame and high temperature
- Passes MSHA flame test (P-136-MSHA)
- Maintains flexibility
- ICEA where applicable
- SOOW can also be used for special applications as outlined in NFPA 70 (N.E.C.) paragraph 501.10(B)(2) CL.1 Div. 2 locations and paragraph 501.140(B) CL.1 Div. 1 and 2.

### APPLICATIONS

#### Type SOOW 90°C

Designed for **extra hard usage** with industrial equipment, heavy tools, battery chargers, portable lights and power extensions. Type SOOW is sunlight, water, oil and weather resistant and suitable for outdoor applications.

### CONSTRUCTION

#### Conductors

Bare, annealed copper per ASTM B-3; Flexible, bunch-stranded per UL-62 sizes 18 - 8 AWG  
Rope Lay sizes 6 - 2 AWG

#### Separator (when used)

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

#### Insulation

Color coded oil resistant Ethylene Propylene (EPDM)

#### Cabling

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

#### Jacket

Water, sunlight and oil resistant, flame-retardant Chlorinated Polyethylene (CPE)

#### Color Coding

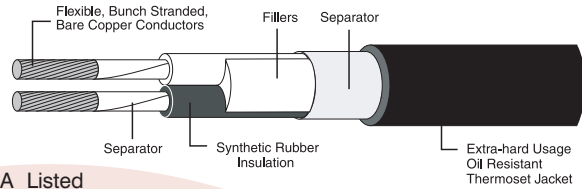
2/C: Black, White

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



MSHA Listed

PART NUMBER	CONDUCTOR			NOMINALS (INCHES)			AMPS <sup>1</sup>	SHIP WT. LBS./M FT.
	NO.	AWG.	STRAND	INSUL.	JACKET	O.D.		
04-0285U	3	8	71x.015	.060	.110	.835	40	477
04-0287U	4	8	71x.015	.060	.125	.930	35	616
04-0291U	5	8	71x.015	.060	.125	1.008	35	727
04-0293U	3	6	133x.0142	.060	.125	.975	55	670
04-0295U	4	6	133x.0142	.060	.140	1.055	45	837
04-0299U	5	6	133x.0142	.060	.140	1.190	45	1038
04-0301U	3	4	133x.0179	.060	.140	1.135	70	956
04-0303U	4	4	133x.0179	.060	.155	1.255	60	1225
04-0307U	5	4	133x.0179	.060	.155	1.380	60	1424
04-0309U	3	2	133x.0223	.060	.155	1.305	95	1310
04-0311U	4	2	133x.0223	.060	.170	1.455	80	1712
04-0315U	5	2	133x.0223	.060	.170	1.500	80	2078

<sup>1</sup>Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 2008 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.

\*\*Long length reels available upon request. Consult local sales office.

NOTES: Also may be manufactured as 105°C/-50°C. SOOW now available with yellow jacket. Consult factory for minimum order requirements.

#### 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 resistant (UL)-P.W.C.-CSA -40°C FT1—RoHS"

#### Temperature Range

SOOW Type: 90°C to -40°C

Meets or exceeds all UL requirements for S, SO and SOO.

»The data listed above is approximate and subject to change without notice.