

PORTABLE POWER CABLE

SOOW Type (UL/CSA)

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

FEATURES

- UL listed (file no. E7362) 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.
- **Water Resistant - Passes the UL 14 day permittivity and stability factor tests in water.**

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 synthetic rubber oil and water resistant UL-62

Cabling

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

Jacket

Oil resistant Thermoset (black CPE) per UL-62

Color Coding

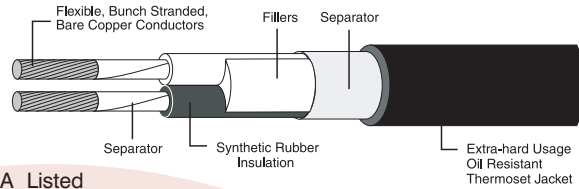
2/C: Black, White

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



MSHA Listed

PART NUMBER	CONDUCTOR			NOMINALS (INCHES)			AMPS ¹	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

¹Ampacities (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.



PITTSBURGH WIRE & CABLE INC.

www.pittsburghwire.com

Sales and Ordering: 1-800-458-1222