

PORTABLE POWER CABLE

SOOW and SJOOW Portable Cords

Synthetic Rubber Insulation with Oil-Resistant Thermoset Jacket
SOOW 90°C (600V) • SJOOW 90°C (300V)



MSHA Listed
 OSHA Accepted

FEATURES

- UL listed as SOOW & SJOOW
- CSA certified as SOOW & SJOOW
- OSHA acceptable
- Sunlight, water, and weather resistant per UL & CSA
- Resistant to oil, acid, impact, abrasion, water, flame and high temperature
- Passes MSHA flame test (P-XXX-MSHA)
- Maintains flexibility
- ICEA where applicable
- SOOW can also be used for special applications as outlined in NFPA 70 (N.E.C.) paragraph 501.4(b) CL.1 Div. 2 locations and paragraph 501.11 CL.1 Div. 1 and 2.
- **UL and CSA listed for continuous submersion in water**

APPLICATIONS

Type SOOW 90°C

Designed for 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.

Type SJOOW 90°C

Designed for portable tools, small motors and power extensions. Type SJOOW 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-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 per UL-62

Cabling

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

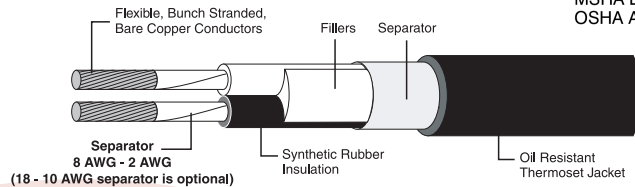
Cable Identification

Surface print on jacket (listed types):

Example: "P-XXX-XX-MSHA 14AWG 3/C SOOW 90°C 600V water resistant (UL)—CSA FT1"

Temperature Range

Type SOOW and SJOOW: 90°C to -40°C



PART NUMBER	CONDUCTOR		NOMINALS (INCHES)			AMPS ¹	SHIP WT. LBS./M FT.	
	NO. AWG.	STRAND	INSUL.	JACKET	O.D.			
90°C UL/CSA TYPE SOOW • 600V								
04-0049	2	18	16x30	.030	.060	.340	10	71
04-0051	3	18	16x30	.030	.060	.360	10	84
04-0053	4	18	16x30	.030	.060	.385	7	100
04-0055	2	16	26x30	.030	.060	.365	13	83
04-0057	3	16	26x30	.030	.060	.385	13	101
04-0059	4	16	26x30	.030	.060	.410	10	119
04-0061	2	14	41x30	.045	.080	.495	18	142
04-0063	3	14	41x30	.045	.080	.520	18	171
04-0065	4	14	41x30	.045	.080	.560	15	212
04-0067	2	12	65x30	.045	.095	.565	25	189
04-0069	3	12	65x30	.045	.095	.590	25	230
04-0071	4	12	65x30	.045	.095	.640	20	281
04-0073	2	10	104x30	.045	.095	.615	30	237
04-0075	3	10	104x30	.045	.095	.650	30	293
04-0077	4	10	104x30	.045	.095	.700	25	357
90°C UL/CSA TYPE SOOW POWER SIZE CABLES • 600V								
04-0079	3	8	65x.0159	.060	.110	.835	40	477
04-0081	4	8	65x.0159	.060	.125	.930	35	605
04-0083	3	6	133x.0142	.060	.125	.975	55	678
04-0085	4	6	133x.0142	.060	.140	1.055	45	856
04-0087	3	4	133x.0179	.060	.140	1.135	70	1030
04-0089	4	4	133x.0179	.060	.155	1.255	60	1297
04-0091	5	4	133x.0179	.060	.155	1.373	60	1561
04-0093	4	2	133x.0223	.060	.170	1.455	80	1768
90°C UL/CSA TYPE SJOOW • 300V								
04-0095	2	18	16x30	.030	.030	.280	10	46
04-0097	3	18	16x30	.030	.030	.300	10	58
04-0099	4	18	16x30	.030	.030	.325	7	76
04-0101	2	16	26x30	.030	.030	.305	13	56
04-0103	3	16	26x30	.030	.030	.325	13	78
04-0105	4	16	26x30	.030	.030	.350	10	96
04-0107	2	14	41x30	.030	.030	.335	18	76
04-0109	3	14	41x30	.030	.030	.360	18	99
04-0111	4	14	41x30	.030	.030	.390	15	121
04-0113	2	12	65x30	.030	.045	.405	25	113
04-0115	3	12	65x30	.030	.045	.425	25	142
04-0117	4	12	65x30	.030	.045	.465	20	179
04-0119	2	10	104x30	.045	.060	.540	30	185
04-0121	3	10	104x30	.045	.060	.565	30	239
04-0123	4	10	104x30	.045	.060	.625	25	305
90°C UL/CSA TYPE SJOOW • 300V • CONSTANT SERVICE								
04-0125	2	18	41x34	.030	.030	.280	10	46
04-0127	3	18	41x34	.030	.030	.300	10	58
04-0129	4	18	41x34	.030	.030	.325	7	76
04-0131	2	16	65x34	.030	.030	.305	13	56
04-0133	3	16	65x34	.030	.030	.325	13	78
04-0135	4	16	65x34	.030	.030	.350	10	96

¹Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 1996 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.

»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.



PITTSBURGH WIRE & CABLE INC.

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