

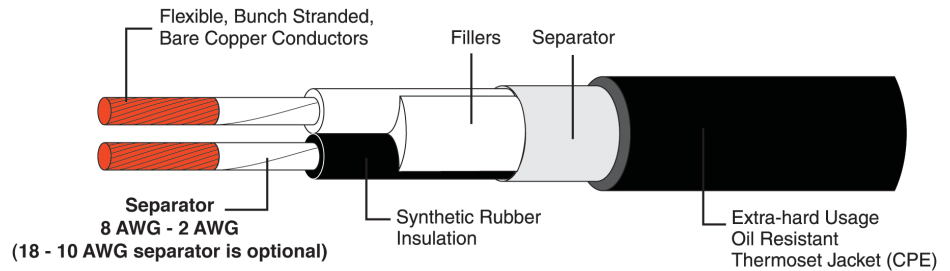
TYPE SOOW & SJ/SJOOW (BLACK JACKET)



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

FEATURES

- UL listed (file no. E7362) as SOOW & SJ/SJOOW
- CSA certified (file no. LL8825) as SOOW & SJOOW
- 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. SOOW is sunlight, water, oil and weather resistant and suitable for outdoor applications.

Type SJOOW 90°C

Designed for **hard usage** with portable tools, small motors and power extensions. Type SJOOW 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 per 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

Cable Identification

Surface print on jacket (listed types):

Example: "P-136-29-MSHA 14AWG 3/C -40°C SOOW 90°C 600V water resistant (UL)—A.I.W. Corp.—CSA -40°C FT1---RoHS"

Temperature Range

Type SOOW and SJOOW: 90°C to -40°C

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

PART NUMBER	CONDUCTORS			NOMINALS (INCHES)			AMPS ¹	STANDARD** LENGTHS PUT-UP	SHIP WT. LBS./M FT.
	NO.	AWG	STRAND	INSUL.	JACKET	O.D.			
90°C UL/CSA TYPE SOOW • 600V									
20694	2	18	16x30	.030	.060	.344	10	1 x 250' spl/ctn.	71
20696	3	18	16x30	.030	.060	.364	10	1 x 250' spl/ctn.	81
20698	4	18	16x30	.030	.060	.389	7	1 x 250' spl/ctn.	95
20701	2	16	26x30	.030	.060	.369	13	1 x 250' spl/ctn.	80
20702	3	16	26x30	.030	.060	.389	13	1 x 250' spl/ctn.	98
20709	4	16	26x30	.030	.060	.414	10	1 x 250' spl/ctn.	115
20710	2	14	41x30	.045	.080	.500	18	1 x 250' coil/ctn.	151
20711	3	14	41x30	.045	.080	.525	18	1 x 250' coil/ctn.	174
20716	4	14	41x30	.045	.080	.565	15	1 x 250' coil/ctn.	210
20719	2	12	65x30	.045	.095	.570	25	1 x 250' coil/ctn.	198
20720	3	12	65x30	.045	.095	.595	25	1 x 250' coil/ctn.	232
20726	4	12	65x30	.045	.095	.645	20	1 x 250' coil/ctn.	281
20730	2	10	104x30	.045	.095	.620	30	1 x 250' coil/ctn.	247
20731	3	10	104x30	.045	.095	.655	30	1 x 250' coil/ctn.	301
20734	4	10	104x30	.045	.095	.705	25	1 x 250' coil/ctn.	363
90°C UL/CSA TYPE SOOW POWER SIZE CABLES • 600V									
33230	3	8	71x.015	.060	.110	.835	40	250'/1000' rls	477
33231	4	8	71x.015	.060	.125	.930	35	250'/1000' rls	616
39259	5	8	71x.015	.060	.125	1.008	35	250'/1000' rls	727
33232	3	6	133x.0142	.060	.125	.975	55	250'/1000' rls	670
33233	4	6	133x.0142	.060	.140	1.055	45	250'/1000' rls	837
39299	5	6	133x.0142	.060	.140	1.190	45	1000'/5000' rls	1038
33234	3	4	133x.0179	.060	.140	1.135	70	250'/1000' rls	956
33228	4	4	133x.0179	.060	.155	1.255	60	250'/1000' rls	1225
35526	5	4	133x.0179	.060	.155	1.380	60	250'/1000' rls	1424
39298	3	2	133x.0223	.060	.155	1.305	95	1000' rls	1310
33229	4	2	133x.0223	.060	.170	1.455	80	250'/1000' rls	1712
39300	5	2	133x.0223	.060	.170	1.500	80	1000' rls	2078
90°C UL/CSA TYPE SJ/SJOOW • 300V									
20756	2	18	16x30	.030	.030	.283	10	4 x 250' spls/ctn.	48
20758	3	18	16x30	.030	.030	.303	10	4 x 250' spls/ctn.	59
20764	4	18	16x30	.030	.030	.329	7	1 x 250' spl/ctn.	72
20765	2	16	26x30	.030	.030	.308	13	4 x 250' spls/ctn.	61
20767	3	16	26x30	.030	.030	.329	13	1 x 250' spl/ctn.	75
20771	4	16	26x30	.030	.030	.354	10	1 x 250' spl/ctn.	92
20772	2	14	41x30	.030	.030	.339	18	1 x 250' spl/ctn.	79
20775	3	14	41x30	.030	.030	.365	18	1 x 250' spl/ctn.	98
20778	4	14	41x30	.030	.030	.394	15	1 x 250' spl/ctn.	121
20779	2	12	65x30	.030	.045	.409	25	1 x 250' spl/ctn.	123
20780	3	12	65x30	.030	.045	.430	25	1 x 250' spl/ctn.	144
20782	4	12	65x30	.030	.045	.470	20	1 x 250' spl/ctn.	180
20783	2	10	104x30	.045	.060	.544	30	1 x 250' coil ctn.	187
20784	3	10	104x30	.045	.060	.570	30	1 x 250' coil ctn.	246
20786	4	10	104x30	.045	.060	.630	25	1 x 250' coil ctn.	309

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.