

PORTABLE POWER CABLE

Extra Hard Usage Types SOOW and SJOOW

**EPDM Insulation/CPE Jacket • Weather, Water and Oil Resistant • Indoor/Outdoor
SOOW (600V) • SJOOW (300V) • 105°C to -50°C • EXTRA HARD USAGE**



FEATURES

- UL listed
- CSA certified (file no. LL8825)
- OSHA acceptable
- Flame retardant (passes MSHA Flame Test)
- Black or high-visibility yellow jacket
- Exceptional durability
- Excellent resistance to oils, acids, chemicals, water, ozone, extreme temperatures, cuts, tears and abrasion
- Sunlight resistant
- 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

Designed for **extra hard usage** on industrial equipment, heavy tools, motor and welding leads, power extensions, portable machinery, sound equipment, portable stage lights, marine dockside power and mining applications.

Type SJOOW

Designed for **hard usage** with portable equipment, tools, small motors and power extensions.

CONSTRUCTION

Conductors

Bare, annealed copper per ASTM B-3
Flexible, bunch-stranded per UL-62

Insulation

Color coded synthetic oil, ozone and water resistant rubber (EPDM) UL-62

Cabling

Conductors are assembled round (16/3 and larger SOOW only) with non-wicking fillers as needed and a cotton serve. Wax paper fillers utilized on 16/2, all 18 gauge and all SJOOW cords.

Jacket

Oil resistant thermoset, CPE (black or yellow) UL-62

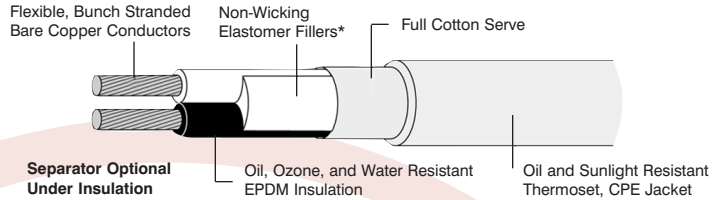
Temperature Range

UL 105°C (221°F) to -50°C (-67°F)

Color Coding

- 2/C: Black, White
- 3/C: Black, White, Green*
- 4/C: Black, White, Red, Green*

*Green conductor is used for grounding purposes only.



PART NUMBERS		CONDUCTOR			DIMENSIONS (INCHES)			AMPS ¹	SHIP WT. LBS./M FT
YELLOW	BLACK*	SIZE	AWG	STRAND	INSUL.	JACKET	O.D.		
UL/CSA TYPE SOOW • 600V • 105°C									
04-0001	04-0002	2	18	41x34	.030	.060	.340	10	69
04-0003	04-0004	3	18	41x34	.030	.060	.360	10	78
04-0005	04-0006	4	18	41x34	.030	.060	.385	7	91
04-0007	04-0008	2	16	65x34	.030	.060	.365	13	76
04-0009	04-0010	3	16	65x34	.030	.060	.390	13	94
04-0011	04-0012	4	16	65x34	.030	.060	.420	10	110
04-0013	04-0014	2	14	41x30	.045	.080	.500	18	139
04-0015	04-0016	3	14	41x30	.045	.080	.524	18	164
04-0017	04-0018	4	14	41x30	.045	.080	.567	15	198
04-0019	04-0020	2	12	65x30	.045	.095	.574	25	189
04-0021	04-0022	3	12	65x30	.045	.095	.600	25	223
04-0023	04-0024	4	12	65x30	.045	.095	.650	20	270
04-0025	04-0026	2	10	104x30	.045	.095	.623	30	226
04-0027	04-0028	3	10	104x30	.045	.095	.655	30	283
04-0029	04-0030	4	10	104x30	.045	.095	.710	25	344
UL/CSA TYPE SJOOW • 300V • 105°C									
04-0031	04-0032	2	18	41X34	.030	.030	.280	10	45
04-0033	04-0034	3	18	41x34	.030	.030	.300	10	59
04-0035	04-0036	4	18	41x34	.030	.030	.325	7	71
04-0037	04-0038	2	16	65x34	.030	.030	.305	13	65
04-0039	04-0040	3	16	65x34	.030	.030	.325	13	73
04-0041	04-0042	4	16	65x34	.030	.030	.350	10	87
04-0043	04-0044	2	14	41x30	.030	.030	.335	18	76
04-0045	04-0046	3	14	41x30	.030	.030	.360	18	94
04-0047	04-0048	4	14	41x30	.030	.030	.390	15	115

¹ Ampacities (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.

* Black jacketed cables not standard stock inventory.

** 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.

Cable Identification

Type SOOW:

Sizes 18 and 16 AWG—Ink print on jacket

Sizes 14 thru 10 AWG— Indent print on jacket

"(size)/(no.)C -50°C SOOW 105°C 600V
water resistant UL P-XXX-XX-MSHA – CSA FT1"

Type SJOOW

Ink print on jacket

"(size) AWG (no.)C -50°C SJOOW
105°C 300V water resistant UL
P-XXX-XX-MSHA-CSAFT1"

NOTES: Wire passes cold bend testing at -55°C. Also meets or exceeds all UL requirements for Types SO, SOO, SJO, and SJOO.



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