

PORTABLE POWER CABLE

SOOW Portable Control Cable

EPDM Insulation/CPE Jacket
18 - 10 AWG • 600 Volts • 90°C SOOW

FEATURES

- UL listed SOOW
- CSA listed SOOW
- OSHA acceptable
- Passes MSHA flame test (P-XXX-MSHA)
- Excellent resistance to oil, solvents, water, ozone, aging and abrasion
- Maintains flexibility
- Flame retardant
- 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.

APPLICATIONS

Designed for use in remote control of equipment by push-button stations, traffic and fire alarm controls, temperature control systems, and motor leads.

CONSTRUCTION

Conductors

Bare, annealed copper per ASTM B-30
 Bunch stranded per UL-62

Insulation

Color coded oil resistant Ethylene Propylene (EPDM)

Cabling

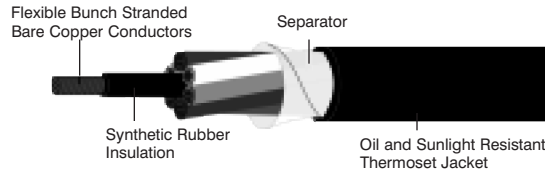
Conductors are assembled round with fillers as needed. A separator is applied over the assembly.

Jacket

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

Cable Identification

Indent print on jacket
 "P-XXX-XX-MSHA (size) AWG (no.)/C SOOW
 90°C 600V water resistant
 (UL) — CSA FT2**



PART NUMBER	NO. OF CONDS.	APPROX. DIMEN.			SHIP WT. LBS/M FT.
		JKT.	O.D.	AMPS ¹	
18 AWG • 16 X 30 STRANDS • .030" INSULATION					
04-0137	5	.080	.465	5.6	119
04-0139	6	.080	.491	5.6	137
04-0141	7	.080	.490	4.9	147
04-0143	8	.080	.523	4.9	158
04-0145	9	.080	.557	4.9	179
04-0147	10	.080	.577	3.5	207
04-0149	12	.080	.605	3.5	232
04-0151	14	.080	.640	3.5	265
04-0153	16	.095	.704	3.5	300
04-0155	18	.095	.735	3.5	340
04-0157	20	.095	.750	3.5	380
04-0159	24	.095	.810	3.1	420
04-0161	30	.095	.885	3.1	510
04-0163	37	.110	.980	2.8	600
04-0165	50	.110	1.100	2.5	812
16 AWG • 26 X 30 STRANDS • .030" INSULATION					
04-0167	5	.080	.490	8.0	157
04-0169	6	.080	.520	8.0	180
04-0171	7	.080	.520	7.0	190
04-0173	8	.080	.565	7.0	210
04-0175	9	.080	.600	7.0	225
04-0177	10	.080	.620	5.0	254
04-0179	12	.080	.650	5.0	308
04-0181	14	.095	.725	5.0	353
04-0183	16	.095	.760	5.0	404
04-0185	18	.095	.795	5.0	435
04-0187	20	.095	.815	5.0	486
04-0189	24	.095	.880	4.5	557
04-0191	30	.110	.990	4.5	731
04-0193	36	.110	1.065	4.0	810
04-0195	37	.110	1.065	4.0	820
04-0197	39	.110	1.080	4.0	838
04-0199	40	.110	1.100	4.0	850
04-0201	44	.110	1.150	4.0	974
04-0203	60	.125	1.325	3.5	1275

PART NUMBER	NO. OF CONDS.	APPROX. DIMEN.			SHIP WT. LBS/M FT.
		JKT.	O.D.	AMPS ¹	
14 AWG • 41 X 30 STRANDS • .045" INSULATION					
04-0205	5	.095	.635	12.0	255
04-0207	6	.095	.687	12.0	317
04-0209	7	.080**	.655	10.5	346
04-0211	8	.095	.737	10.5	374
04-0213	10	.095	.815	7.5	467
04-0215	12	.095	.855	7.5	529
04-0217	14	.095	.915	7.5	595
04-0219	16	.110	.995	7.5	693
04-0221	18	.110	1.045	7.5	760
04-0223	20	.110	1.070	7.5	814
04-0225	24	.110	1.160	6.8	965
04-0227	36	.125	1.400	6.0	1314
04-0229	37	.125	1.400	6.0	1350
04-0231	40	.125	1.450	6.0	1568
04-0233	50	.125	1.590	5.0	1826
12 AWG • 65 X 30 STRANDS • .045" INSULATION					
04-0235	5	.095	.705	16.0	349
04-0237	6	.095	.740	16.0	386
04-0239	7	.095	.740	14.0	412
04-0241	8	.095	.795	14.0	483
04-0243	9	.095	.850	14.0	528
04-0245	10	.095	.885	10.0	577
04-0247	12	.095	.930	10.0	676
04-0249	16	.110	1.080	10.0	890
04-0251	20	.110	1.165	10.0	1050
04-0253	24	.125	1.295	9.0	1200
04-0255	30	.125	1.425	9.0	1450
04-0257	37	.125	1.535	8.0	1745
04-0259	40	.125	1.600	8.0	1972
04-0261	50	.125	1.750	7.0	2395
10 AWG • 103 X 30 STRANDS • .045" INSULATION					
04-0263	5	.095	.760	20.0	461
04-0265	6	.095	.815	20.0	511
04-0267	7	.095	.815	17.5	565
04-0269	8	.095	.880	17.5	645
04-0271	9	.095	.940	17.5	713
04-0273	10	.110	1.015	12.5	775
04-0275	12	.110	1.060	12.5	895
04-0277	16	.110	1.195	12.5	1125
04-0279	20	.125	1.325	12.5	1395
04-0281	24	.125	1.440	11.25	1763
04-0283	30	.125	1.580	11.25	2124

*NOTE: Cables with over 40/C are not printed with the MSHA number.

¹Ampacities shown are for current carrying conductors based on an ambient temperature of 30°C and load diversity of 100%. A grounding conductor or one which carries only the unbalance current from other conductors, is not counted when determining current carrying capacity.

**Per UL-62 — 7-conductor cable requires .080" wall.

Color Code

ICEA Method 1 Table E-1 colored compounds with tracers.

COND. NO.	BASE COLOR	TRACER	COND. NO.	BASE COLOR	TRACER
1	Black	—	12	Black	White
2	White	—	13	Red	White
3	Red	—	14	Green	White
4	Green	—	15	Blue	White
5	Orange	—	16	Black	Red
6	Blue	—	17	White	Red
7	White	Black	18	Orange	Red
8	Red	Black	19	Blue	Red
9	Green	Black	20	Red	Green
10	Orange	Black	21	Orange	Green
11	Blue	Black			

Color code repeats after 21 conductors

» 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.

Sales and Ordering: 1-800-458-1222