Type W Portable Power Cable

Round • EPDM Insulation • CPE Jacket
8 AWG - 500 MCM • 600/2000 Volts • 90°C WET OR DRY

MSHA Listed
OSHA Acceptable

FEATURES

- UL listed on all stock items
- OSHA acceptable
- Passes MSHA flame test (P-XXX-MSHA)
- Excellent resistance to oil, solvent, ozone, aging and abrasion
- Excellent flexibility
- Sunlight resistant
- Flame retardant
- Free stripping insulation
- Solid elastomer fillers
- **Suitable for continuous submersion in water**

APPLICATIONS

Designed for use in mobile mining equipment, lifting magnets, conveyors, drills and pumps, as portable power and temporary power supply where grounded circuits are not required.

CONSTRUCTION

Conductors
Bare, annealed copper per ASTM B-3
Flexible, rope-lay-stranded per UL-44

Separator
A paper tape is applied between the conductor and insulation to facilitate stripping.

Insulation
Color coded 90°C ozone, oil (60°C) and water resistant (90°C) synthetic rubber (EPDM) per UL-44

Color Code
2/C: Black, White
3/C: Black, White, Green
4/C: Black, White, Red, Green
5/C: Black, White, Red, Green, Orange

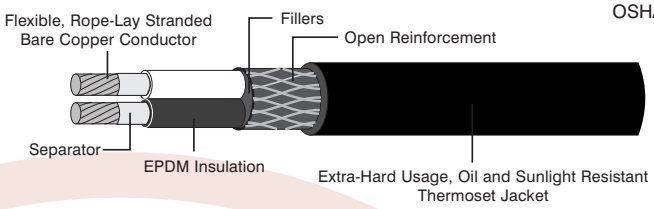
Cabling
Conductors are assembled round with solid elastomer fillers as needed. An open reinforcement is applied over the assembly for mechanical strength.

Jacket
Extra-hard usage, oil-resistant thermoset jacket (black) per UL-1581 for oil and sunlight resistance.

Cable Identification
Indent print on jacket
"(size) (no.)/C Type W Portable Power Cable 90°C Wet or Dry 2000V Oil and Sun. Res. (UL) P-XXX-XX-MSHA"

NOTES: Type W can be manufactured to CSA requirements

»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.



PART NUMBER	SIZE	STRANDING	INSUL. THICKNESS	APPROX. O.D.	AMPS[1,2,3]	SHIP WT. LBS./M FT.
2-CONDUCTOR						
05-0749	8	133	.060	0.830	74	369
05-0751	6	133	.060	0.960	99	518
05-0753	4	133	.060	1.080	130	715
05-0755	2	259	.060	1.280	174	1045
05-0757	1/0	266	.080	1.560	234	1464
05-0759	2/0	342	.080	1.660	271	1788
05-0761	4/0	532	.080	1.973	361	2530
05-0763	250	627	.095	2.100	402	2664
05-0765	350	888	.095	2.360	495	3854
05-0767	500	1221	.095	2.700	613	5191
3-CONDUCTOR[2]						
05-0769	8	133x.0113	.060	.930	65	590
05-0771	6	133x.0142	.060	1.025	87	775
05-0773	4	133x.0179	.060	1.115	114	980
05-0775	3	133x.0199	.060	1.190	133	1040
05-0777	2	133x.0223	.060	1.300	152	1380
05-0779	1	133x.0251	.080	1.480	177	1705
05-0781	1/0	259x.0202	.080	1.610	205	2165
05-0783	2/0	259x.0227	.080	1.720	237	2520
05-0785	3/0	259x.0255	.080	1.850	274	3180
05-0787	4/0	259x.0286	.080	2.020	316	3360
05-0789	250	427x.0245	.095	2.365	352	4645
05-0791	300	427x.0265	.095	2.500	393	5225
05-0793	350	427x.0286	.095	2.620	433	5830
05-0795	400	427x.0306	.095	2.795	468	6615
05-0797	500	427x.0342	.095	3.005	613	7985
4-CONDUCTOR[2, 3]						
05-0799	8	133x.0113	.060	1.010	52	715
05-0801	6	133x.0142	.060	1.115	70	935
05-0803	4	133x.0179	.060	1.220	91	1200
05-0805	3	133x.0199	.060	1.300	106	1320
05-0807	2	133x.0223	.060	1.390	122	1680
05-0809	1	133x.0251	.080	1.625	142	2213
05-0811	1/0	259x.0202	.080	1.765	164	2693
05-0813	2/0	259x.0227	.080	1.890	190	3326
05-0815	3/0	259x.0255	.080	2.035	219	4068
05-0817	4/0	259x.0286	.080	2.190	253	4260
5-CONDUCTOR[3]						
05-0819	8	133x.0113	.060	1.065	52	812
05-0821	6	133x.0142	.060	1.215	70	1094
05-0823	4	133x.0179	.060	1.395	91	1506
05-0825	3	133x.0199	.060	1.490	106	1720
05-0827	2	133x.0223	.060	1.615	122	2239
05-0829	1	133x.0251	.080	1.910	142	2800
05-0831	1/0	259x.0202	.080	2.035	164	3065
05-0833	2/0	259x.0227	.080	2.180	190	3775
05-0835	3/0	259x.0255	.080	2.340	219	4645
05-0837	4/0	259x.0286	.080	2.545	253	5515

[1]Ampacities (Amps per conductor) are based on 30°C ambient temperature in air, 90°C conductor temperature per the 1996 NEC Table 400-5 (B).
[2]Use the 2/C ampacity values if only two conductors in a 3/C or 4/C cable are current carrying.
[3]Use the 3/C ampacity values if only three conductors in a 4C or 5C cable are current carrying.

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