INDUSTRIAL GRADE TYPE W • PORTABLE POWER CABLE

Round • EPDM Insulation • CPE Jacket • 8 AWG - 500 KCMIL • 2000 Volts 90℃ Wet or Dry • -40℃

FEATURES

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

APPLICATIONS

Designed for use in conveyors, drills and pumps and as portable power and temporary power supply cables.

CONSTRUCTION

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

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

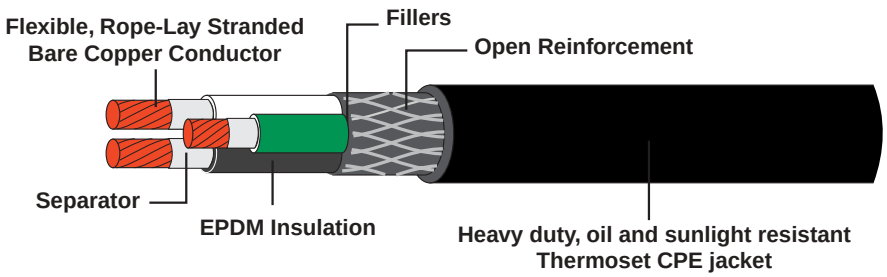
Insulation
Color coded 90℃ ozone, oil (60℃) and water resistant (90℃) synthetic rubber (EPDM) per UL-44

Color Code
3/C: Black, White, Green
4/C: Black, White, Red, Green
5/C: Black, Blue, Red, Green & White

Cabling
Conductors are assembled round with suitable fillers as needed. An open reinforcement is applied over the assembly or assembly covering for mechanical strength purposes.

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

Cable Identification
Indent print on jacket
"(size)AWG (or KCMIL) (no./C)Type W Portable Power Cable 90℃ Wet or Dry 2000V Oil and Sun. Res. (UL) P-136-35-MSHA---A.I.W. Corp.---c(UL) FT1/FT5 (-40℃)"



PART NUMBER	SIZE	STRANDING	INSUL. THICKNESS	APPROX. O.D.	AMPS[1,2]	WIRE WT. LBS./M FT.
3-Conductor						
37904	8	49x.0184	.060	.890	65	476
37906	6	65x.0201	.060	.965	87	610
37907	4	103x.0201	.060	1.105	114	848
37909	2	133x.0223	.060	1.295	152	1214
38310	1	210x.0201	.080	1.450	177	1517
38311	1/0	259x.0202	.080	1.580	205	1815
38312	2/0	259x.0227	.080	1.690	237	2181
38313	3/0	420x.0201	.080	1.815	274	2655
37915	4/0	516x.0201	.080	1.920	316	3181
38314	250	608x.0201	.095	2.290	352	3954
38315	350	855x.0201	.095	2.540	433	5179
38316	500	1235x.0201	.095	2.900	536	7084
4-Conductor						
37905	8	49x.0184	.060	.970	52	584
38309	6	65x.0201	.060	1.070	70	814
37908	4	103x.0201	.060	1.220	91	1072
37910	2	133x.0223	.060	1.440	122	1538
37911	1	210x.0201	.080	1.600	142	1940
37912	1/0	259x.0202	.080	1.730	164	2353
37913	2/0	259x.0227	.080	1.860	190	2838
37914	3/0	420x.0201	.080	1.980	219	3439
37916	4/0	516x.0201	.080	2.100	253	4029
66809	250	608x.0201	.095	2.600	282	5353
40275	350	855x.0201	.095	2.915	346	6881
-	500	1235x.0201	.095	3.310	429	-
5-Conductor						
39831	8	49x.0184	.060	1.035	52	656
39076	6	65x.0201	.060	1.180	70	933
39932	4	104x.0201	.060	1.365	91	1323
40395	2	133x.0223	.060	1.580	122	1884
39082	1/0	259x.0202	.080	2.000	164	2971
40303	2/0	259x.0227	.080	2.130	190	3557
39491	3/0	420x.0201	.080	2.280	219	4271
40304	4/0	516x.0201	.080	2.400	253	4832

[1]Ampacities are based on isolated cable in open air, 30℃ (86℉) ambient air temperature and 90℃ (194℉) conductor temperature per Table 400.5(B) of the 2002 NEC .

[2]Use the 3/C ampacity values if only three conductors in a 4/C or 5/C cable are carrying current.

NOTES:
- Type W can be manufactured to CSA requirements; consult factory.
- Put up on long length reels.