



Multi-conductor Type W

2000 V

ASTM B33, UL 44, UL 1650, CSA C22.2 No.96-17

Portable Power Cable 90°C
Industrial Grade

APPLICATIONS

- Portable power systems.
- Mining applications where bare grounding conductors are not required.
- Other industrial applications

CONSTRUCTION

Conductors	Soft drawn flexible stranded tinned copper wires
Separator	A suitable tape separator between the conductor and insulation
Insulation	Ethylene-propylene rubber (EPR)
Circuit identification	
2-core	Black, white
3-core	Black, white, green
4-core	Black, white, red, green
5-core	Black, white, red, green, orange
6-core	Black, white, red, green, orange, blue
Assembly	Power cores and rubber fillers cabled together to form a round core
Separator	Single faced rubber filled binder tape applied over core
Jacket	Black heavy duty CPE thermosetting compound
Bending radius	Minimum 6 x outer diameter



Features

Excellent flexibility	Excellent impact and abrasion resistant
Water resistant and flame retardant	Ozone, sunlight, oil, grease, weather, chemical and heat resistant
Rated and flexible at -40°C to +90°C	Indent printed for easy identification

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Approvals

UL:	E207132 - Oil Resistant, Oil Resistant Inners, Sunlight resistant, 90°C Wet or Dry
C(UL):	E207132 - FT1, FT5 -40°C to +90°C
MSHA:	P-7K-268101 (for sizes 8AWG-500MCM 1, 2, 3 conductor version, black)
MSHA:	P-7K-268101 (for sizes 8AWG-350MCM 4 conductor version, black)
MSHA:	P-7K-268101 (for sizes 8AWG-250MCM 5 conductor version, black)
MSHA:	P-7K-268101 (for sizes 8AWG-1AWG 6 conductor version, black)
Standard length cable packing	1000ft on drums. Other forms of packing and delivery are available on request

Part number	Size	No. of cond.	Conductor Strand	Nominal Insulation Thickness		Approx. Outside Diameter		Approx. weight		Ampacity(1)
	AWG or MCM	N	No. of wires	Inches	mm	Inches	mm	lbs per 1000ft	kg/km	A
2 CONDUCTOR										
W8-2	8 AWG	2	133	0.06	1.52	0.80	20.3	401	596	74
W6-2	6 AWG	2	259	0.06	1.52	0.92	23.3	530	789	99
W4-2	4 AWG	2	259	0.06	1.52	1.03	26.2	724	1077	130
W2-2	2 AWG	2	259	0.06	1.52	1.22	30.9	1052	1566	174
W1-2	1 AWG	2	259	0.06	1.52	1.37	34.7	1312	1952	202
W1/0-2	1/0 AWG	2	266	0.08	2.03	1.45	36.8	1527	2273	234
W2/0-2	2/0 AWG	2	342	0.08	2.03	1.56	39.5	1839	2736	271
W3/0-2	3/0 AWG	2	418	0.08	2.03	1.67	42.3	2130	3170	313
W4/0-2	4/0 AWG	2	532	0.08	2.03	1.81	46.1	2644	3934	361
W250-2	250 MCM	2	627	0.095	2.41	2.00	50.9	3046	4533	402
W350-2	350 MCM	2	888	0.095	2.41	2.23	56.6	4010	5968	495
W500-2	500 MCM	2	1221	0.095	2.41	2.56	65.1	5406	8045	613

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Part number	Size	No. of cond.	Conductor Strand	Nominal Insulation Thickness		Approx. Outside Diameter		Approx. weight		Ampacity(1)
	AWG or MCM	N	No. of wires	Inches	mm	Inches	mm	lbs per 1000ft	kg/km	A
3 CONDUCTOR										
W10-3	10 AWG	3	49	0.06	1.52	0.80	20.3	380	566	59
W8-3	8 AWG	3	133	0.06	1.52	0.96	24.3	561	835	74
W6-3	6 AWG	3	259	0.06	1.52	1.03	26.2	692	1030	99
W4-3	4 AWG	3	259	0.06	1.52	1.14	29.0	939	1397	130
W2-3	2 AWG	3	259	0.06	1.52	1.29	32.8	1301	1936	174
W1-3	1 AWG	3	259	0.06	1.52	1.46	37.0	1631	2427	202
W1/0-3	1/0 AWG	3	266	0.08	2.03	1.59	40.3	1981	2948	234
W2/0-3	2/0 AWG	3	342	0.08	2.03	1.69	42.8	2369	3525	271
W3/0-3	3/0 AWG	3	418	0.08	2.03	1.81	46.1	2797	4162	313
W4/0-3	4/0 AWG	3	532	0.08	2.03	1.96	49.7	3413	5079	361
W250-3	250 MCM	3	627	0.095	2.41	2.29	58.2	4205	6257	402
W350-3	350 MCM	3	888	0.095	2.41	2.57	65.2	5587	8314	495
W500-3	500 MCM	3	1221	0.095	2.41	2.90	73.7	7373	10972	613
4 CONDUCTOR										
W12-4	12 AWG	4	49	0.06	1.52	0.75	19.0	322	479	35
W10-4	10 AWG	4	49	0.06	1.52	0.81	20.5	408	607	49
W8-4	8 AWG	4	133	0.06	1.52	0.98	24.9	621	924	65
W6-4	6 AWG	4	259	0.06	1.52	1.10	28.0	825	1228	87
W4-4	4 AWG	4	259	0.06	1.52	1.22	30.9	1127	1677	114
W2-4	2 AWG	4	259	0.06	1.52	1.44	36.6	1652	2459	152
W1-4	1 AWG	4	259	0.06	1.52	1.59	40.4	2023	3011	177
W1/0-4	1/0 AWG	4	266	0.08	2.03	1.70	43.3	2410	3587	205
W2/0-4	2/0 AWG	4	342	0.08	2.03	1.85	47.1	2981	4436	237
W3/0-4	3/0 AWG	4	418	0.08	2.03	1.96	49.9	3462	5152	274
W4/0-3	4/0 AWG	4	532	0.08	2.03	2.15	54.7	4326	6437	316

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Part number	Size	No. of cond.	Conductor Strand	Nominal Insulation Thickness		Approx. Outside Diameter		Approx. weight		Ampacity(1)
	AWG or MCM	N	No. of wires	Inches	mm	Inches	mm	lbs per 1000ft	kg/km	A
W250-4	250 MCM	4	627	0.095	2.41	2.53	64.2	5324	7922	352
W350-4	350 MCM	4	888	0.095	2.41	2.83	71.8	7069	10519	433
W500-4	500 MCM	4	1221	0.095	2.41	3.24	82.2	9511	14153	536
5 CONDUCTOR										
W10-5	10 AWG	5	49	0.06	1.52	0.92	23.3	519	773	39
W8-5	8 AWG	5	133	0.06	1.52	1.03	26.2	698	1039	52
W6-5	6 AWG	5	259	0.06	1.52	1.20	30.4	978	1455	70
W4-5	4 AWG	5	259	0.06	1.52	1.37	34.7	1406	2092	91
W2-5	2 AWG	5	259	0.06	1.52	1.56	39.5	1968	2928	122
W1-5	1 AWG	5	259	0.06	1.52	1.81	46.1	2568	3821	142
W1/0-5	1/0 AWG	5	266	0.08	2.03	1.94	49.2	3046	4532	164
W2/0-5	2/0 AWG	5	342	0.08	2.03	2.02	51.3	3585	5335	190
W3/0-5	3/0 AWG	5	418	0.08	2.03	2.23	56.6	4354	6479	219
W4/0-5	4/0 AWG	5	532	0.08	2.03	2.35	59.8	5221	7770	253
6 CONDUCTOR										
W6-6	6 AWG	6	259	0.06	1.52	1.30	32.9	1162	1729	70

(1) Ampacities based on 90°C Conductor and 30°C Ambient temperature per table 400.5(A)(2) of the National Electrical Code®

Green conductor for grounding conductor purpose only

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Special Factory Options:

Jacket:	Other colors available
MSHA:	P-7K-268077 (Neoprene)
CSA:	1523058 (LR 103932)- FT1, FT5, +90°C (-40°C) (Neoprene)

Standard Print Legend

TF CABLE (SIZE) TYPE W PORTABLE POWER CABLE 2000V 90°C SUN RES OIL RES 90°C WET OR DRY (UL) E207132 C(UL) FT1 FT5 (-40°C) P-7K-268101-MSHA

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