



# Multi-conductor Type W

## 2000 V

ASTM B-33, UL 44, UL 1650, CSA C22.2 No.96-17

Portable Power Cable 90°C UL C(UL) MSHA  
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	Tape separator between conductor and insulation
Insulation	Ethylene-propylene rubber (EPR)
Circuit identification	
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	Highly ozone, sun, weather and flame resistant
Rated and flexible at -40°C to +90°C	Excellent impact and abrasion resistant.
Oil and heat resistant. Indent printed for easy identification	Suitable for shallow water immersion.



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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

## Technical and Electrical Characteristic

Part Number	Size	No. of cond.	Conductor Strand	Nominal Insulation Thickness		Outside Diameter		Approx. weight		Ampacity(1)
	AWG or MCM	N	No. of wires	Inches	mm	Inches	mm	Lbs. per 1000ft.	kg/km	A
<b>3 CONDUCTOR</b>										
W8-3	8 AWG	3	133	0.06	1.52	0.96	24.3	565	841	74
W6-3	6 AWG	3	259	0.06	1.52	1.03	26.2	698	1038	99
W4-3	4 AWG	3	259	0.06	1.52	1.14	29.0	944	1405	130
W2-3	2 AWG	3	259	0.06	1.52	1.29	32.8	1306	1944	174
W1-3	1 AWG	3	259	0.06	1.52	1.46	37.0	1639	2439	202
W1/0-3	1/0 AWG	3	266	0.08	2.03	1.59	40.3	1991	2963	234
W2/0-3	2/0 AWG	3	342	0.08	2.03	1.69	42.8	2380	3541	271
W3/0-3	3/0 AWG	3	418	0.08	2.03	1.81	46.1	2808	4179	313
W4/0-3	4/0 AWG	3	532	0.08	2.03	1.96	49.7	3425	5097	361
W250-3	250 MCM	3	627	0.095	2.41	2.29	58.2	4258	6336	402
W350-3	350 MCM	3	888	0.095	2.41	2.57	65.2	5650	8408	495
W500-3	500 MCM	3	1221	0.095	2.41	2.90	73.7	7445	11079	613
<b>4 CONDUCTOR</b>										
W8-4	8 AWG	4	133	0.06	1.52	0.98	24.9	626	931	65
W6-4	6 AWG	4	259	0.06	1.52	1.10	28.0	831	1237	87
W4-4	4 AWG	4	259	0.06	1.52	1.22	30.9	1134	1687	114
W2-4	2 AWG	4	259	0.06	1.52	1.44	36.6	1661	2471	152
W1-4	1 AWG	4	259	0.06	1.52	1.59	40.4	2035	3028	177
W1/0-4	1/0 AWG	4	266	0.08	2.03	1.70	43.3	2423	3605	205

\* Covered by MSHA P-7K-268101-1 certificate

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Part Number	Size	No. of cond.	Conductor Strand	Nominal Insulation Thickness		Outside Diameter		Approx. weight		Ampacity(1)
	AWG or MCM	N	No. of wires	Inches	mm	Inches	mm	Lbs. per 1000ft.	kg/km	A
W2/0-4	2/0 AWG	4	342	0.08	2.03	1.85	47.1	2993	4454	237
W3/0-4	3/0 AWG	4	418	0.08	2.03	1.96	49.9	3476	5173	274
W4/0-4	4/0 AWG	4	532	0.08	2.03	2.15	54.7	4340	6458	316
W250-4	250 MCM	4	627	0.095	2.41	2.53	64.2	5381	8008	352
W350-4	350 MCM	4	888	0.095	2.41	2.83	71.8	7137	10620	433
W500-4*	500 MCM	4	1221	0.095	2.41	3.24	82.2	9507	14147	536
<b>5 CONDUCTOR</b>										
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	1967	2928	122
W1-5	1 AWG	5	259	0.06	1.52	1.81	46.1	2567	3821	142
W1/0-5	1/0 AWG	5	266	0.08	2.03	1.94	49.2	3045	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	4353	6479	219
W4/0-5	4/0 AWG	5	532	0.08	2.03	2.35	59.8	5221	7770	253
<b>6 CONDUCTOR</b>										
W6-6	6 AWG	6	259	0.06	1.52	1.30	32.9	1163	1731	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

# Multi-conductor Type W

Standard print legend:

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**For size W500-4**

TF CABLE (SIZE) TYPE W PORTABLE POWER CABLE 2000V 90  
C SUN RES OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT1  
FT5 (-40C) P-7K-268101-1-MSHA

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**For the rest of the sizes:**

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

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## Special factory option

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**Jacket:** Other colors available

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**MSHA:** P-7K-268077 (Neoprene)

(For sizes 6AWG-500MCM 3 conductor version)

(For sizes 6AWG-350MCM 4 conductor version)

(For sizes 6AWG-4/0AWG 5 conductor version)

(For sizes 6AWG-1AWG 6 conductor version)

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**CSA:** 1523058 (LR 103932)- FT1, FT5, +90°C (-40°C) (Neoprene)

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