

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.

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

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
2 conductor									
8 AWG	2	133	0.06	1.52	0.80	20.3	401	596	74
6 AWG	2	259	0.06	1.52	0.92	23.3	530	789	99
4 AWG	2	259	0.06	1.52	1.03	26.2	724	1077	130
2 AWG	2	259	0.06	1.52	1.22	30.9	1052	1566	174
1 AWG	2	259	0.06	1.52	1.37	34.7	1312	1952	202
1/0 AWG	2	266	0.08	2.03	1.45	36.8	1527	2273	234
2/0 AWG	2	342	0.08	2.03	1.56	39.5	1839	2736	271
3/0 AWG	2	418	0.08	2.03	1.67	42.3	2130	3170	313
4/0 AWG	2	532	0.08	2.03	1.81	46.1	2644	3934	361
250 MCM	2	627	0.095	2.41	2.00	50.9	3046	4533	402
350 MCM	2	888	0.095	2.41	2.23	56.6	4010	5968	495
500 MCM	2	1221	0.095	2.41	2.56	65.1	5406	8045	613
3 conductor									
10 AWG	3	49	0.06	1.52	0.80	20.3	380	566	59
8 AWG	3	133	0.06	1.52	0.96	24.3	561	835	74
6 AWG	3	259	0.06	1.52	1.03	26.2	692	1030	99
4 AWG	3	259	0.06	1.52	1.14	29.0	939	1397	130
2 AWG	3	259	0.06	1.52	1.29	32.8	1301	1936	174
1 AWG	3	259	0.06	1.52	1.46	37.0	1631	2427	202
1/0 AWG	3	266	0.08	2.03	1.59	40.3	1981	2948	234
2/0 AWG	3	342	0.08	2.03	1.69	42.8	2369	3525	271
3/0 AWG	3	418	0.08	2.03	1.81	46.1	2797	4162	313
4/0 AWG	3	532	0.08	2.03	1.96	49.7	3413	5079	361
250 MCM	3	627	0.095	2.41	2.29	58.2	4205	6257	402
350 MCM	3	888	0.095	2.41	2.57	65.2	5587	8314	495
500 MCM	3	1221	0.095	2.41	2.90	73.7	7373	10972	613
4 conductor									
12 AWG	4	49	0.06	1.52	0.75	19.0	322	479	35
10 AWG	4	49	0.06	1.52	0.81	20.5	408	607	49
8 AWG	4	133	0.06	1.52	0.98	24.9	621	924	65
6 AWG	4	259	0.06	1.52	1.10	28.0	825	1228	87
4 AWG	4	259	0.06	1.52	1.22	30.9	1127	1677	114
2 AWG	4	259	0.06	1.52	1.44	36.6	1652	2459	152



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
1 AWG	4	259	0.06	1.52	1.59	40.4	2023	3011	177
1/0 AWG	4	266	0.08	2.03	1.70	43.3	2410	3587	205
2/0 AWG	4	342	0.08	2.03	1.85	47.1	2981	4436	237
3/0 AWG	4	418	0.08	2.03	1.96	49.9	3462	5152	274
4/0 AWG	4	532	0.08	2.03	2.15	54.7	4326	6437	316
250 MCM	4	627	0.095	2.41	2.53	64.2	5324	7922	352
350 MCM	4	888	0.095	2.41	2.83	71.8	7069	10519	433
500 MCM	4	1221	0.095	2.41	3.24	82.2	9511	14153	536
5 conductor									
10 AWG	5	49	0.06	1.52	0.92	23.3	519	773	39
8 AWG	5	133	0.06	1.52	1.03	26.2	698	1039	52
6 AWG	5	259	0.06	1.52	1.20	30.4	978	1455	70
4 AWG	5	259	0.06	1.52	1.37	34.7	1406	2092	91
2 AWG	5	259	0.06	1.52	1.56	39.5	1968	2928	122
1 AWG	5	259	0.06	1.52	1.81	46.1	2568	3821	142
1/0 AWG	5	266	0.08	2.03	1.94	49.2	3046	4532	164
2/0 AWG	5	342	0.08	2.03	2.02	51.3	3585	5335	190
3/0 AWG	5	418	0.08	2.03	2.23	56.6	4354	6479	219
4/0 AWG	5	532	0.08	2.03	2.35	59.8	5221	7770	253
6 conductor									
6 AWG	6	259	0.06	1.52	1.30	32.9	1162	6 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

Standard print legend:

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

Special factory option

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