

Portable Power Cable 90°C UL C(UL) MSHA Industrial Grade



SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B172, ASTM B 33, UL 44

CONSTRUCTION:

- Conductors:** Flexible strand tin copper, ASTM B-172 and ICEA S-75-381/NEMA WC58
- Separator:** Tape separator between conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR), ICEA S-75-381 sec 3.15, table 3-10
- Assembly:** Conductors and rubber fillers cabled to form round core
- Reinforcement:** Single faced rubber filled binder tape over insulation
- Jacket:** Black heavy duty CPE thermoset compound, ICEA S-75-381 sec 3.4, table 3-4
- Color Code:** ICEA S-75-381 sec 3.18; black, white, green, red

FEATURES	APPLICATIONS
<ul style="list-style-type: none"> - Excellent flexibility - Water resistant and flame resistant - Rated and flexible at -40°C to +90°C - Excellent impact and abrasion resistant - Ozone sunlight oil, grease, weather, chemical resistant 	<ul style="list-style-type: none"> - Portable power systems - Other industrial applications - Mining application where bare grounding conductors are not required

APPROVALS:

- UL:** E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
- C(UL):** E207132 - FT1; FT5; -40°C +90°C
- MSHA:** P-7K-268101

SPECIAL FACTORY OPTIONS:

- Jacket:** Other colors available
- MSHA:** P-7K-268077 (Neoprene)
- CSA:** 1523058 (LR 103932) – FT1; FT5; 90C; (-40C) (Neoprene)

TINNED COPPER CONDUCTORS (STANDARD)

Part Number	Power Conductor Size	Power Conductor Stranding	Nominal Insulation Thickness		Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
	AWG or MCM	No. of Stranding	inches	mm	inches	mm	lbs/1000 ft	kgs/km	A
W8-4	8 AWG	133 7x19	0.060	1.52	0.97	24.6	656	976	54
W6-4	6 AWG	133 7x19	0.060	1.52	1.11	28.3	908	1352	72
W4-4	4 AWG	259 7x37	0.060	1.52	1.26	32.1	1262	1878	93
W2-4	2 AWG	259 7x37	0.060	1.52	1.43	36.3	1759	2618	122
W1-4	1 AWG	259 7x37	0.080	2.03	1.71	43.4	2322	3456	143
W1/0-4	1/0 AWG	266 19x14	0.080	2.03	1.78	45.2	2721	4050	165
W2/0-4	2/0 AWG	342 19x18	0.080	2.03	1.89	48.0	3293	4901	192
W3/0-4	3/0 AWG	418 19x22	0.080	2.03	2.02	51.4	3849	5729	221
W4/0-4	4/0 AWG	532 19x28	0.080	2.03	2.22	56.3	4765	7092	255
W250-4	250 MCM	627 19x33	0.095	2.41	2.61	66.2	5579	8303	280
W350-4	350 MCM	888 37x24	0.095	2.41	2.92	74.2	7329	10908	335
W500-4	500 MCM	1221 37x33	0.095	2.41	3.34	84.8	9896	14729	395

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

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