

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 the conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR), ICEA S-75-381 sec 3.15, table 3-8
- 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

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

2 CONDUCTOR

Part Number	Power Conductor Size	Power Conductor Stranding	Nominal Insulation Thickness		Nominal O.D.		Approx. Weight		Ampacity (1) 30°C Ambient Temp.
			inches	mm	inches	mm	lbs/1000 ft	kg/km	A
W8-2	8 AWG	133 7x19	0.060	1.52	0.83	21.1	391	581	74
W6-2	6 AWG	259 7x37	0.060	1.52	0.94	23.9	571	849	99
W4-2	4 AWG	259 7x37	0.060	1.52	1.07	27.3	793	1180	130
W2-2	2 AWG	259 7x37	0.060	1.52	1.26	32.1	1142	1699	174

(1) Ampacity - Free air measured. Based on continuous duty at 90°C conductor temperature per 2011 NEC Table 400.5(A)(2)

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

SPECIAL FACTORY OPTIONS:

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