

Multi Conductor Portable Power Cable 90°C UL C(UL) MSHA Mining 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:** Sizes 4/0 AWG and smaller: Nylon open braid applied overall
 Sizes 250 MCM and larger: Single faced rubber filled binder tape applied overall
- 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)

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
W8-4MNG	8 AWG	133	7x19	0.060	1.52	0.99	25.1	668	994	54
W6-4MNG	6 AWG	133	7x19	0.060	1.52	1.11	28.3	908	1351	72
W4-4MNG	4 AWG	259	7x37	0.060	1.52	1.25	31.7	1220	1815	93
W2-4MNG	2 AWG	259	7x37	0.060	1.52	1.43	36.3	1762	2622	122
W1-4MNG	1 AWG	259	7x37	0.080	2.03	1.66	42.1	2127	3165	143
W1/0-4MNG	1/0 AWG	266	19x14	0.080	2.03	1.77	45.0	2720	4047	165
W2/0-4MNG	2/0 AWG	342	19x18	0.080	2.03	1.91	48.5	3291	4897	192
W3/0-4MNG	3/0 AWG	418	19x22	0.080	2.03	2.04	51.8	3889	5787	221
W4/0-4MNG	4/0 AWG	532	19x28	0.080	2.03	2.24	56.8	4763	7087	255
W250-4MNG	250 MCM	627	19x33	0.095	2.41	2.61	66.2	5562	8276	280
W350-4MNG	350 MCM	888	37x24	0.095	2.41	2.95	74.8	7329	10906	335
W500-4MNG	500 MCM	1221	37x33	0.095	2.41	3.34	84.8	9896	14726	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