

## 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 the conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR), ICEA S-75-381 sec 3.15, table 3-9
- 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

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

### 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
W8-3MNG	8 AWG	133 7x19	0.060	1.52	0.91	23.1	541	805	59
W6-3MNG	6 AWG	133 7x19	0.060	1.52	1.01	25.7	715	1064	79
W4-3MNG	4 AWG	259 7x37	0.060	1.52	1.05	26.5	1010	1503	104
W2-3MNG	2 AWG	259 7x37	0.060	1.52	1.32	33.6	1405	2091	138
W1-3MNG	1 AWG	259 7x37	0.080	2.03	1.51	38.4	1734	2581	161
W1/0-3MNG	1/0 AWG	266 19x14	0.080	2.03	1.63	41.4	2030	3010	186
W2/0-3MNG	2/0 AWG	342 19x18	0.080	2.03	1.73	44.0	2566	3818	215
W3/0-3MNG	3/0 AWG	418 19x22	0.080	2.03	1.85	47.0	2885	4293	249
W4/0-3MNG	4/0 AWG	532 19x28	0.080	2.03	2.05	52.0	3479	5177	287
W250-3MNG	250 MCM	627 19x33	0.095	2.41	2.39	60.7	4368	6500	320
W350-3MNG	350 MCM	888 37x24	0.095	2.41	2.66	67.5	5895	8772	394
W500-3MNG	500 MCM	1221 37x33	0.095	2.41	2.98	75.8	7820	11638	487

(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