

## 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, UL 1581

### CONSTRUCTION:

- Conductors:** Flexible strand tin copper, ASTM B-172 Class I and ICEA S-75-381/NEMA WC58
- Insulation:** Ethylene-propylene rubber (EPR); ICEA S-75-381 sec 3.15, table 3-10
- Grounding cond:** ICEA S-75-381; insulation color: green
- Assembly:** Four power and four EPR insulated grounding conductors cabled with rubber filler in center to form round core
- Separator:** Single faced rubber filled binder tape applied overall
- Jacket:** Black heavy duty CPE thermoset compound, ICEA S-75-381 sec 3.21, table 3-4
- Color Code:** ICEA S-75-381 sec 3.21 table 3-4; black, white, red, orange

FEATURES	APPLICATION
<ul style="list-style-type: none"> <li>- Excellent flexibility</li> <li>- Ozone, sun, weather and flame resistant</li> <li>- Rated and flexible at -40°C to 90°C</li> <li>- Excellent impact and abrasion resistant</li> <li>- Oil and heat resistant</li> </ul>	<ul style="list-style-type: none"> <li>- Use on AC off track equipment such as miners, shuttle cars, cutting machines, loading machines, drills, conveyors, and pumps</li> <li>- Power to open pit strip and deep mines</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

### 4 CONDUCTOR

Part Number	Power Conductor Size	Power Conductor Stranding	Grounding Conductor Size	Nominal Insulation Thickness	Nominal O.D.		Approx. Weight		Ampacity (1) 30°C Ambient Temp.
	AWG or MCM	No. and Diameters of Stranding	AWG	inches	inches	mm	lbs/1000ft	kgs/km	A
G8-4	8 AWG	133 7x19	12	0.060	0.99	25.1	748	1113	52
G6-4	6 AWG	259 7x37	12	0.060	1.10	27.9	910	1354	69
G4-4	4 AWG	259 7x37	10	0.060	1.27	32.3	1378	2050	91
G2-4	2 AWG	259 7x37	9	0.060	1.48	37.6	1914	2848	121
G1-4	1 AWG	259 7x37	8	0.080	1.68	42.7	2311	3439	141
G1/0-4	1/0 AWG	266 19x14	7	0.080	1.79	45.5	2810	4181	164
G2/0-4	2/0 AWG	342 19x18	6	0.080	1.93	49.0	3253	4842	189
G3/0-4	3/0 AWG	259 37x7	5	0.080	2.07	52.6	4099	6100	219
G4/0-4	4/0 AWG	532 19x28	4	0.080	2.26	57.4	4925	7329	252
G250-4	250 MCM	627 19x33	3	0.095	2.66	67.6	6060	9018	281
G350-4	350 MCM	888 37x24	1	0.095	2.98	75.7	8126	12093	346
G500-4	500 MCM	1221 37x33	1/0	0.095	3.40	86.4	10758	16010	428

(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 G PORTABLE POWER CABLE 2000V 90C SUN RES OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT1 FT5 (-40C) 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)
- Jacket:** TPU Other colors available
- MSHA:** P-07-KA030001 (TPU)