

G FLAT 2/c 600V / 2000V

Flat Portable Power Cable 90°C UL MSHA Mining Grade



SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B 172, ASTM B 33

CONSTRUCTION:

- Conductors:** Annealed flexible stranded tin coated copper in accordance with ASTM B 172 and ICEA S-75-381
- Separator:** Tape separator between the conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR) type EP, 90°C
- Circuit identification:** Color coding of power conductors shall be black, white in accordance with Par. 3.18 of ICEA S-75-381
- Grounding conductor:** Annealed tin coated copper covered with green EVA
- Reinforcement:** Nylon open braid applied overall
- Jacket:** CPE thermosetting compound, extra heavy duty in accordance with par. 3.21 of ICEA S-75-381
- Color of jacket:** Black

FEATURES	APPLICATION
<ul style="list-style-type: none"> - Excellent flexibility - Water resistant and flame retardant - Rated and flexible at -40°C - Excellent impact and abrasion resistant - Ozone sunlight oil, grease, weather, chemical resistant - Indent printed for easy identification 	<ul style="list-style-type: none"> - For use on A.C. off-track mining equipment where grounding is required - Especially designed for A.C. shuttle cars, cutting and loading machines

Standard length cable packing: 1000 ft reels; Other forms of packaging available

APPROVALS:

- UL:** E207132 – “Oil Resistant”; “75°C – Wet” or “90°C – Wet”; “Sunlight resistance” or “Sun Res”; “Oil Resistant inners”
- MSHA:** P-7K-268108

SPECIAL FACTORY OPTIONS:

- Jacket:** Optional Neoprene® jacket available
Other colors available

Part Number	Power Conductor Size	Power Conductor Stranding	Grounding Conductor Size	Nominal Insulation Thickness	Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
	AWG	No. of Stranding	AWG	inches	inches	mm	lbs/1000 ft	kgs/km	A
G6-2MNG-FLAT	6 AWG	133 7x19	8	0.06	0.56x1.03	14.2x26.2	502	747	95
G4-2MNG-FLAT	4 AWG	259 7x37	7	0.06	0.61x1.15	15.5x29.2	662	985	127
G2-2MNG-FLAT	2 AWG	259 7x37	5	0.06	0.73x1.35	18.5x34.3	991	1474	167
G1-2MNG-FLAT	1 AWG	259 7x37	4	0.08	0.81x1.55	20.6x39.4	1231	1832	191
G1/0-2MNG-FLAT	1/0 AWG	259 7x37	3	0.08	0.93x1.67	23.6x42.4	1542	2295	217
G2/0-2MNG-FLAT	2/0 AWG	329 7x47	2	0.08	0.98x1.86	24.9x47.2	1870	2783	250
G4/0-2MNG-FLAT	4/0 AWG	532 19x28	1/0	0.08	1.10x2.11	27.9x53.6	2602	3872	328

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

STANDARD PRINT LEGEND:

TF CABLE (SIZE) TYPE G PORTABLE POWER CABLE 2000V 90C SUN RES OIL RES 90C WET OR DRY (UL) E207132 P-7K-268108-MSHA

