

# G-GC FLAT 3/c 600V / 2000V

## Flat Portable Power Cable 90°C 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; Conductors D-shaped and rectangle cross section
- 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, red in accordance with Par. 3.18 of ICEA S-75-381
- 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"> <li>- Excellent flexibility</li> <li>- Water resistant and flame retardant</li> <li>- Rated and flexible at -40°C</li> <li>- Excellent impact and abrasion resistant</li> <li>- Ozone sunlight oil, grease, weather, chemical resistant</li> <li>- Indent printed for easy identification</li> </ul>	<ul style="list-style-type: none"> <li>- For use on A.C. off-track mining equipment</li> <li>- Especially designed for A.C. shuttle car service</li> </ul>

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

### APPROVALS:

**MSHA:** P-7K-268108

### SPECIAL FACTORY OPTIONS:

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

Part Number	Power Conductor Size	Power Conductor Stranding	Size		Nominal Insulation Thickness	Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
			Ground	Ground Check		inches	mm	lbs/1000 ft	kgs/km	
	AWG	No. of Stranding	AWG	AWG	inches	inches	mm	lbs/1000 ft	kgs/km	A
GGC6-3MNG-FLAT	6 AWG	133 7x19	8	8	0.06	0.67x1.69	17.0x42.9	939	1397	79
GGC4-3MNG-FLAT	4 AWG	259 7x37	7	8	0.06	0.75x1.89	19.1x48.0	1250	1860	104
GGC2-3MNG-FLAT	2 AWG	259 7x37	5	8	0.06	0.81x2.23	20.6x56.6	1701	2531	138
GGC1-3MNG-FLAT	1 AWG	259 7x37	4	8	0.08	0.97x2.48	24.6x63.0	2180	3244	161
GGC1/0-3MNG-FLAT	1/0 AWG	259 7x37	3	8	0.08	1.01x2.67	25.7x67.8	2560	3810	186
GGC2/0-3MNG-FLAT	2/0 AWG	329 7x47	2	8	0.08	1.10x2.86	27.9x72.6	3050	4539	215
GGC3/0-3MNG-FLAT	3/0 AWG	418 19x22	1	8	0.08	1.18x3.12	29.9x79.2	3494	5200	249
GGC4/0-3MNG-FLAT	4/0 AWG	532 19x28	1/0	8	0.08	1.24x3.30	31.5x83.8	4260	6340	287

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

### STANDARD PRINT LEGEND:

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

