

G-GC 2000V

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 B 172, ASTM B 33

CONSTRUCTION:

- Conductors:** Flexible strand tin copper, ASTM B 172 and ICEA S-75-381
- Separator:** Tape separator between the conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR), ICEA S-75-381 sec 3.15, table 3-12
- Grounding cond:** Tin copper, ICEA S-75-381, table 3-12
- Ground check:** Yellow Polypropylene-Insulation tin copper conductor, ICEA S-75-381 table 3-21
- Assembly:** *Sizes 4/0 and smaller:* Three power, ground check and two polyester (green mylar) taped grounding conductors cabled together; Nylon open braid applied overall. *Sizes 250 MCM and larger:* Three power, ground check and two polyester (green mylar) taped grounding conductors cabled with rubber fillers to make round core; Single faced rubber filled binder tape applied overall
- Jacket:** Black extra heavy duty CPE thermoset compound, ICEA S-75-381 sec 3.21, table 3-3
- Color Code:** ICEA S-75-381 sec 3.18; black, white, red

FEATURES	APPLICATION
<ul style="list-style-type: none"> - Excellent flexibility - Highly ozone, sun, weather and flame resistant - Rated and flexible at -40°C - Excellent impact and abrasion resistant - Special construction for reeling and trailing - Oil and heat resistant - Indent printed for easy identification 	<ul style="list-style-type: none"> - For use as trailing mining cable. - Use on AC off track equipment such as miners, shuttle cars, cutting machines loading machines and drills as well as conveyors and pumps - Supply power to open pit strip and deep mines - For applications requiring ground check conductor for added safety.

APPROVALS:

- UL:** E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
- C(UL):** E207132 - FT1; FT5; -40°C + 90°C (CPE)
- MSHA:** P-7K-268101

SPECIAL FACTORY OPTIONS:

- Jacket:** Other colors available
- MSHA:** P-7K-268077 (Neoprene)
- CSA:** 1523058 (LR 103932) - FT1; FT5; 90°C; (-40°C) (Neoprene)
- Jacket:** TPU Other colors available
- MSHA:** P-07-KA030001 (TPU)

Part Number	Power Conductor Size	Power Conductor Stranding	Size		Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
			Ground	Ground Check			inches	mm	lbs/1000 ft	kgs/km	
GGC12-3MNG	12 AWG	65 11+6x9	12	12	0.060	0.094	0.70	17.8	366	544	25
GGC10-3MNG	10 AWG	49 7x7	12	12	0.060	0.114	0.80	20.3	538	800	30
GGC8-3MNG	8 AWG	133 7x19	10	10	0.060	0.134	0.97	24.6	632	941	59
GGC6-3MNG	6 AWG	133 7x19	10	10	0.060	0.146	1.05	26.7	752	1119	79
GGC4-3MNG	4 AWG	259 7x37	8	10	0.060	0.146	1.19	30.2	1130	1682	104
GGC2-3MNG	2 AWG	259 7x37	7	10	0.060	0.165	1.34	34.0	1532	2280	138
GGC1-3MNG	1 AWG	259 7x37	6	8	0.080	0.170	1.51	38.4	1940	2901	161
GGC1/0-3MNG	1/0 AWG	266 19x14	5	8	0.080	0.170	1.65	41.9	2292	3411	186
GGC2/0-3MNG	2/0 AWG	342 19x18	4	8	0.080	0.190	1.75	44.5	2658	3955	215
GGC3/0-3MNG	3/0 AWG	418 19x22	2	8	0.080	0.197	1.89	48.0	3300	4910	249
GGC4/0-3MNG	4/0 AWG	532 19x29	2	8	0.080	0.205	2.04	51.8	4058	6039	287
GGC250-3MNG	250 MCM	627 19x33	2	8	0.095	0.280	2.39	60.7	4807	7153	320
GGC350-3MNG	350 MCM	888 37x24	1/0	8	0.095	0.252	2.68	68.1	6247	9296	394
GGC500-3MNG	500 MCM	1221 37x33	2/0	8	0.095	0.315	3.03	77.0	8426	12539	487

(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 (UL) E207132 C(UL) FT1 FT5 (-40C) P-7K-268101-MSHA



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