

Type G-GC 90°C 2000V



APPLICATION:

Type G-GC is for use in heavy duty service as a power supply cable for mobile and portable mining equipment, loaders, conveyors, pumps, drills and cutters, where flex life is required, and for systems that require an internal ground check conductor for added safety. Type G-GC is for applications up to 2000 volts and temperatures from -40°C to +90°C.

CONDUCTORS:

- Soft drawn flexible stranded bare or tinned copper, Class I per ASTM B-33

SEPARATOR:

- Tape separator between conductor and insulation

INSULATION:

- Ethylene-Propylene Rubber (EPR) per ICEA S-75-381/NEMA WC 58

COLOR CODE:

- Black, White, Red, with Green Grounds and Yellow Ground Check

GROUND CONDUCTORS:

- Soft drawn flexible stranded bare or tinned copper with green ethylene-propylene rubber (EPR) insulation

GROUND CHECK CONDUCTOR:

- Soft drawn flexible stranded bare or tinned copper. Yellow polypropylene-insulated (EPR) insulation over conductor

ASSEMBLY:

- Power, ground check and grounds cores cabled together to form a round core
- Single faced rubber filled binder tape applied over cable assembling

JACKET:

- Black heavy duty, integral-filled CPE thermosetting compound

STANDARDS:

- UL 44, 1650
- C(UL) FT1 & FT5
- CSA C22.2 96-13
- ICEA S-75-381/NEMA WC 58
- ICEA S-95-658/NEMA WC 70
- ASTM B33, B172
- Oil Resistant, Sunlight Resistant 90°C Wet or Dry
- Rated and flexible at -40°C to +90°C

Part Number	Conductor Size	No. of Conductors	Conductor Stranding	Ground Cond. Size	Ground Check Size	Nominal Insulation Thickness		Nominal Overall Diameter		Nominal Net Weight	Ampacity** 30°C in Air
	AWG/kcmil			AWG	AWG	inches	mm	inches	mm	lbs/kft	
8-03 TYPE GGC	8	3	133	2 # 10	10	0.060	1.52	0.990	25.15	666	65
6-03 Type GGC	6	3	133	2 # 10	10	0.060	1.52	1.050	26.67	787	87
4-03 Type GGC	4	3	259	2 # 8	10	0.060	1.52	1.140	28.96	1048	114
2-03 Type GGC	2	3	259	2 # 7	8	0.060	1.52	1.300	33.02	1448	152
1-03 Type GGC	1	3	259	2 # 6	8	0.080	2.03	1.460	37.08	1807	177
1/0-03 Type GGC	1/0	3	266	2 # 5	8	0.080	2.03	1.600	40.64	2206	205
2/0-03 Type GGC	2/0	3	342	2 # 4	8	0.080	2.03	1.750	44.45	2736	237
3/0-03 Type GGC	3/0	3	418	2 # 3	8	0.080	2.03	1.860	47.24	3178	274
4/0-03 Type GGC	4/0	3	532	2 # 2	8	0.080	2.03	1.960	49.78	3718	316
250-03 Type GGC	250	3	627	2 # 1	6	0.095	2.41	2.390	60.71	4917	352
350-03 Type GGC	350	3	888	2 # 1/0	6	0.095	2.41	2.680	68.07	6449	433
500-03 Type GGC	500	3	1221	2 # 3/0	6	0.095	2.41	3.030	76.96	8642	536

All values are nominal and subject to correction

**Ampacities based on 90°C Conductor and 30°C Ambient temperature per table 400.5(A)(2) of the National Electrical Code®



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