



# Type G-GC

## 2000 V

ASTM B33, UL 44, UL 1650, CSA C22.2 96-17

Portable Power Cable 90°C, Industrial Grade

### APPLICATIONS

- Use on AC off track equipment such as miners, shuttle cars, cutting machines, drills, conveyors and pumps
- Power to open pit strip and deep mines
- For applications requiring ground check for added safety
- Other industrial applications

### CONSTRUCTION

Conductors	Soft drawn flexible stranded tinned copper wires
Separator	A suitable tape separator between the conductor and insulation
Insulation	Ethylene-propylene rubber (EPR)
Grounding conductors	Soft drawn flexible stranded tinned copper wires. Green EPR insulation over conductor
Ground check conductor	Soft drawn flexible stranded tinned copper wires. Yellow EPR insulation over conductor
Color Code	Black, white, red
Assembly	Power, ground check and grounds cores cabled together to form a round core
Reinforcement	Single faced rubber filled binder tape over core
Jacket	Black heavy duty, integral-filled CPE thermosetting compound
Bending radius	Minimum 6 x outer diameter



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## Features

Excellent flexibility	Excellent impact and abrasion resistant
Water resistant and flame retardant	Ozone, sunlight, oil, grease, weather, chemical and heat resistant
Rated and flexible at -40°C to +90°C	Indent printed for easy identification

## Approvals

UL:	E207132 - Oil Resistant, Oil Resistant Inners, Sunlight resistant, 90°C Wet or Dry
C(UL):	E207132 - FT1, FT5 -40°C to +90°C
MSHA:	P-7K-268101-1 (for sizes 8AWG-500MCM, black or color)
Standard length cable packing	1000ft on drums. Other forms of packing and delivery are available on request

Part number	Power conductor size	Power conductor stranding	Size		Nominal Insulation Thickness		Outside Diameter		Approx. Weight		Ampacity <sup>(1)</sup>
			GRD	AWG	Inches	mm	Inches	mm	lbs/1000ft	kg/km	
	AWG or MCM	No. of wires	AWG		Inches	mm	Inches	mm	lbs/1000ft	kg/km	A
GGC12-3	12	65	12	12	0.06	1.52	0.79	20.0	382	568	35
GGC10-3	10	49	10	12	0.06	1.52	0.80	20.3	442	658	49
GGC8-3	8	133	10	10	0.06	1.52	0.99	25.1	665	989	65
GGC6-3	6	133	10	10	0.06	1.52	1.05	26.6	786	1169	87
GGC4-3	4	259	8	10	0.06	1.52	1.14	29.0	1047	1558	114
GGC2-3	2	259	7	8	0.06	1.52	1.30	33.0	1447	2153	152
GGC1-3	1	259	6	8	0.08	2.03	1.46	37.2	1806	2687	177
GGC1/0-3	1/0	266	5	8	0.08	2.03	1.60	40.7	2203	3279	205
GGC2/0-3	2/0	342	4	8	0.08	2.03	1.75	44.5	2735	4070	237
GGC3/0-3	3/0	418	3	8	0.08	2.03	1.86	47.2	3177	4727	274
GGC4/0-3	4/0	532	2	8	0.08	2.03	1.96	49.7	3713	5525	316

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Part number	Power conductor size	Power conductor stranding	Size		Nominal Insulation Thickness		Outside Diameter		Approx. Weight		Ampacity <sup>(1)</sup>
	<b>AWG or MCM</b>	<b>No. of wires</b>	<b>AWG</b>	<b>GRD</b>	<b>Inches</b>	<b>mm</b>	<b>Inches</b>	<b>mm</b>	<b>lbs/ 1000ft</b>	<b>kg/ km</b>	<b>A</b>
GGC250-3	250	627	1	6	0.095	2.41	2.39	60.7	4908	7303	352
GGC350-3	350	888	1/0	6	0.095	2.41	2.68	68.1	6438	9581	433
GGC500-3	500	1221	3/0	6	0.095	2.41	3.03	77.0	8630	12842	536

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

## 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

## Standard Print Legend

TF CABLE (SIZE) TYPE G-GC PORTABLE POWER CABLE 2000V 90°C SUN RES OIL RES 90°C WET OR DRY (UL) E207132 C(UL) FT5 (-40°C) P-7K-268101-1-MSHA
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