



Type G-GC

2000V

ASTM B-33, UL 44, UL 1650, CSA C22.2 No.96-17

Portable Power Cable 90°C UL C(UL) MSHA 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	Tape separator between conductor and insulation
Insulation	Ethylene-propylene rubber (EPR)
Grounding conductors	Soft drawn flexible stranded tinned copper. Green EPR insulation over conductors
Ground check conductor	Soft drawn flexible stranded tinned copper. 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.



Features

Excellent flexibility. Water resistant and flame resistant. Rated and flexible at -40°C to $+90^{\circ}\text{C}$. Excellent impact and abrasion resistant. Ozone, sunlight, oil, grease weather and chemical resistant

Approvals

UL: E207132 - Oil Resistant Oil Resistant Inners, Sunlight resistant 90°C Wet or Dry

C(UL): E207132, FT1, FT5 -40°C to $+90^{\circ}\text{C}$, **MSHA:** P-7K-268101

Technical and Electrical Characteristic

Part Number	Power conductor size	Power conductor stranding	Size		Nominal Insulation Thickness	Outside Diameter		Approx. Weight		Ampacity(1)	
			GRD	GC							
	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	384	571	35
GGC10-3*	10	49	10	12	0.06	1.52	0.80	20.3	444	660	49
GGC8-3	8	133	10	10	0.06	1.52	0.99	25.1	666	991	65
GGC6-3	6	133	10	10	0.06	1.52	1.05	26.6	787	1171	87
GGC4-3	4	259	8	10	0.06	1.52	1.14	29.0	1048	1560	114
GGC2-3	2	259	7	8	0.06	1.52	1.30	33.0	1448	2155	152
GGC1-3	1	259	6	8	0.08	2.03	1.46	37.2	1807	2689	177
GGC1/0-3	1/0	266	5	8	0.08	2.03	1.60	40.7	2206	3283	205
GGC2/0-3	2/0	342	4	8	0.08	2.03	1.75	44.5	2736	4072	237
GGC3/0-3	3/0	418	3	8	0.08	2.03	1.86	47.2	3178	4729	274
GGC4/0-3	4/0	532	2	8	0.08	2.03	1.96	49.7	3718	5533	316
GGC250-3	250	627	1	6	0.095	2.41	2.39	60.7	4917	7317	352
GGC350-3	350	888	1/0	6	0.095	2.41	2.68	68.1	6449	9597	433
GGC500-3	500	1221	3/0	6	0.095	2.41	3.03	77.0	8642	12860	536

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

* Not covered by MSHA P-7K-268101 certificate

Standard print legend:

For size 8AWG and larger

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 (-40°C) P-7K-268101-MSHA

For size up to 10 AWG

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 (-40°C)

Special factory option

Jacket	Other colors available
MSHA	P-7K-268077 (Neoprene) (For sizes 6AWG-500MCM)
CSA	1523058 (LR 103932) -FT1; FT5 ; 90°C (-40°C) (Neoprene) for 3 cores version
Jacket TPU	Other colors available
MSHA	P-07-KA120001 (TPU) (For sizes 3x8AWG - 3x500MCM)