



Type G

2000 V

ASTM B-33, 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	Annealed flexible stranded tined copper wires
Separator	A suitable tape separator between the conductor and insulation
Insulation	Ethylene-propylene rubber (EPR)
Grounding conductors	Annealed flexible stranded tined copper wires. Green EPR insulation over conductors
Color Code	Black, white, red, orange
Assembly	Four power and four grounding conductors cabled together to form a round core
Reinforcement	Single faced rubber filled binder tape over core
Jacket	Black heavy duty CPE thermosetting compound
Bending radius	Minimum 6 x outer diameter



Type G

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 GRD	Nominal Insulation Thickness		Outside Diameter		Approx. Weight		Ampacity(1)
	AWG or MCM	No of wires	AWG	Inches	mm	Inches	mm	lbs/ 1000ft	kg/km	A
G8-4	8	133	12	0.06	1.52	0.98	24.9	677	1008	52
G6-4	6	259	12	0.06	1.52	1.10	28.0	889	1323	70
G4-4	4	259	10	0.06	1.52	1.22	30.9	1224	1822	91
G3-4	3	259	10	0.06	1.52	1.29	32.8	1417	2108	106
G2-4	2	259	9	0.06	1.52	1.44	36.6	1777	2645	122
G1-4	1	259	8	0.08	2.03	1.59	40.4	2183	3248	142
G1/0-4	1/0	266	7	0.08	2.03	1.70	43.3	2609	3882	164
G2/0-4	2/0	342	6	0.08	2.03	1.85	47.1	3254	4843	190
G3/0-4	3/0	418	5	0.08	2.03	1.96	49.9	3777	5620	219
G4/0-4	4/0	532	4	0.08	2.03	2.15	54.7	4649	6918	253

Type G

Part number	Power conductor size	Power conductor stranding	Size GRD	Nominal Insulation Thickness		Outside Diameter		Approx. Weight		Ampacity(1)
	AWG or MCM	No of wires	AWG	Inches	mm	Inches	mm	lbs/ 1000ft	kg/km	A
G250-4	250	627	3	0.095	2.41	2.53	64.2	5830	8676	282
G350-4	350	888	1	0.095	2.41	2.83	71.8	7915	11778	346
G500-4	500	1221	1/0	0.095	2.41	3.24	82.2	10522	15657	429

(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)

Standard Print Legend

TF CABLE (SIZE) TYPE G PORTABLE POWER CABLE 2000V 90°C SUN RES OIL RES 90°C WET OR DRY (UL) E207132
C(UL) FT1 FT5 (-40°C) P-7K-268101-1-MSHA

The information contained in this document, including the tables and drawings, are provided for illustrative purposes only and not a commercial offer; nor may it constitute the basis for pursuing any claim against TELE-FONIKA KABLE SA. The suitability of any product including properties, should be made by a qualified person; having already gained the appropriate permissions and documentation, to ensure compliance with any applicable law or regulation.