

TYPE G 4/c 2kV

Four conductor Round portable power cable Mining grade

SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70
ASTM B 172, ASTM B 33

CONSTRUCTION:

Conductors:	Annealed flexible stranded tin coated copper in accordance with ASTM B 172 and ICEA S-75-381
Insulation:	Ethylene-propylene rubber (EPR)
Circuit identification:	Color coding of power conductors shall be black, white, red, orange in accordance with Par. 3.18 of ICEA S-75-381
Grounding conductors:	Annealed tin coated copper as per Tab. 3-12 of ICEA S-75-381; Insulation: green rubber or green polyester tape
Assembly:	Four power and four grounding conductors cabled together; The rubberized cotton tape applied overall
Separator:	A suitable tape separator between the conductor and insulation
Jacket:	CPE thermosetting compound, extra heavy duty in accordance with par. 3.21 of ICEA S-75-381; Optional Neoprene® jacket available
Color of jacket:	Black; Other colors available



FEATURES	APPLICATION
<ul style="list-style-type: none">- Excellent flexibility- Highly ozone, sun, weather, water and flame resistant- Rated and flexible at -40°C- Excellent impact and abrasion resistant- Oil and heat resistant- Indent printed for easy identification	<ul style="list-style-type: none">- Specially suitable for portable power supply in mining machines- For use on DC shuttle cars, cutting machines

Standard length cable packing: 1000 ft reels; Other forms of packaging available

APPROVALS:

MSHA:	P-7K-268101 (CPE); P-7K-268077 (Neoprene)
UL:	E207132 – “Oil Resistant”; “75°C – Wet” or “90°C – Wet”; “Sunlight resistance” or “Sun Res”; “Oil Resistant inners” (CPE)
CUL:	E207132 - “FT1”; “FT5”; “(-40°C)” or “Minus 40°C”; “75°C” or “90°C”; “75°C-Wet” (CPE)
CSA:	1523058 (LR 103932) - “FT1”; “FT5”; “90°C”; “(-40°C)” (Neoprene)

Neoprene is a registered trademark of DuPont



TELE-FONIKA CABLE AMERICAS

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Part Number	Power Conductor Size	Power Conductor Stranding	Grounding Conductor Size	Nominal Insulation Thickness	Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
	AWG or MCM	No. of Stranding	AWG	inches	inches	mm	lbs/1000 ft	kg/km	A
G6-4 Mining	6 AWG	133 7x19	12	0.06	1.10	27.9	910	1354	72
G4-4 Mining	4 AWG	133 7x19	10	0.06	1.27	32.3	1378	2050	93
G2-4 Mining	2 AWG	259 7x37	9	0.06	1.48	37.6	1914	2848	122
G1-4 Mining	1 AWG	259 7x37	8	0.08	1.68	42.7	2311	3439	143
G1/0-4 Mining	1/0 AWG	266 19x14	7	0.08	1.79	45.5	2810	4181	165
G2/0-4 Mining	2/0 AWG	342 19x18	6	0.08	1.93	49.0	3253	4842	192
G3/0-4 Mining	3/0 AWG	418 19x22	5	0.08	2.07	52.6	4099	6100	221
G4/0-4 Mining	4/0 AWG	532 19x28	4	0.08	2.26	57.4	4925	7329	255
G250-4 Mining	250 MCM	250 19x33	3	0.095	2.66	67.6	6060	9018	280
G350-4 Mining	350 MCM	888 37x24	1	0.095	2.98	75.7	8126	12093	335
G500-4 Mining	500 MCM	1221 37x33	1/0	0.095	3.40	86.4	10758	16010	395

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

TELE-FONIKA (SIZE) TYPE G PORTABLE POWER CABLE 2000V 90C SUN OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT-5 (-40C) P-7K-268101-MSHA

