



Type G Two-Conductor Flat Portable Power Cable 2kV

» Applications

These flat parallel cables are designed for use on D.C. off-track mining equipment, such as D.C. shuttle cars, drills, cutting and loading machines.

» Standards

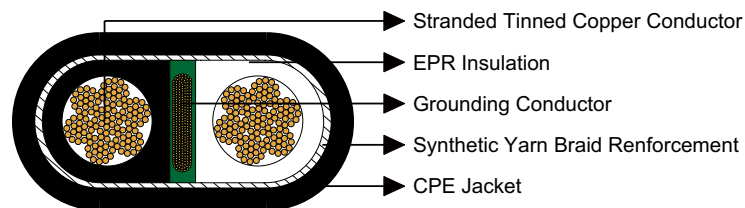
ICEA S-75-381/NEMA WC 58

ASTM B 172

ASTM B 33

CAN/CSA-C22.2 No.96

» Construction



Conductors:

Stranded annealed tinned copper conductor.

Insulation:

Ethylene Propylene Rubber (EPR).

Grounding Conductor:

Tinned copper conductor with an optional green outer covering.

Reinforcement:

Synthetic yarn.

Jacket:

Heavy-duty/extra-heavy-duty Chlorinated Polyethylene (CPE), black. (Cables having a nominal outside diameter of more than 2.0 inches require extra-heavy-duty jackets.)



Caledonian Mining Cables

Portable Power Cables

» Options

- Other jacket materials such as CSP/PCP/NBR/PVC are available upon request.
- Two-layer jacket with reinforcing fibre between the two layers can be offered as an option.

» Mechanical and Thermal Properties

Minimum Bending Radius: 6×OD

Maximum Conductor Operating Temperature: +90°C

» Dimensions and Weight

Construction	No. of Strands	Grounding Conductor Size	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter Height×Width		Nominal Weight		Ampacity
			inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	
No. of cores× AWG/kcmil	-	AWG/kcmil									A
2×6	133	8	0.06	1.5	0.080	2.0	0.56×1.02	14.2×25.9	500	744	95
2×4	259	7	0.06	1.5	0.095	2.4	0.61×1.15	15.5×29.2	635	945	127
2×3	259	6	0.06	1.5	0.095	2.4	0.68×1.26	17.3×32.0	785	1170	145
2×2	259	5	0.06	1.5	0.095	2.4	0.73×1.35	18.5×34.3	935	1390	167
2×1	259	4	0.08	2.0	0.110	2.8	0.81×1.55	20.6×39.4	1185	1760	191
2×1/0	259	3	0.08	2.0	0.125	3.2	0.93×1.67	23.6×42.4	1470	2190	217
2×2/0	329	2	0.08	2.0	0.125	3.2	0.99×1.85	25.1×47.0	1790	2660	250
2×3/0	413	1	0.08	2.0	0.140	3.6	1.03×2.00	26.2×50.8	2145	3190	286
2×4/0	532	1/0	0.08	2.0	0.140	3.6	1.10×2.10	27.9×53.3	2545	3790	328

Ampacity-Based on a conductor temperature of 90°C and an ambient air temperature of 40°C, per ICEA S-75-381.