

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 a 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.)
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 Operating Temperature: +90°C

Dimensions and Weight:

Construction	No. of Strands	Grounding Conductor or Size	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter Height×Width		Nominal Weight		Ampacity
No. of cores×AWG/kcmil	-	AWG/kcmil	inch	mm	inch	mm	inch	mm	lbs/ft	kg/m	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	0.0 6	1.5	0.09 5	2.4	0.68×1.2 6	17.3×32. 0	785	1170	145
2×2	259	5	0.0 6	1.5	0.09 5	2.4	0.73×1.3 5	18.5×34. 3	935	1390	167
2×1	259	4	0.0 8	2.0	0.11 0	2.8	0.81×1.5 5	20.6×39. 4	1185	1760	191
2×1/0	259	3	0.0 8	2.0	0.12 5	3.2	0.93×1.6 7	23.6×42. 4	1470	2190	217
2×2/0	329	2	0.0 8	2.0	0.12 5	3.2	0.99×1.8 5	25.1×47. 0	1790	2660	250
2×3/0	413	1	0.0 8	2.0	0.14 0	3.6	1.03×2.0 0	26.2×50. 8	2145	3190	286
2×4/0	532	1/0	0.0 8	2.0	0.14 0	3.6	1.10×2.1 0	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.