



## Type G-GC Three-Conductor Round Portable Power Cable 2kV

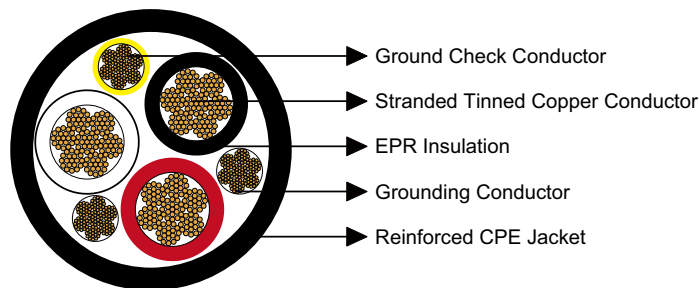
### » Applications .....

These cables are suitable for use with mobile mining equipment such as continuous miners, drills, cutters, loading machines, AC shuttle cars and pumps. Type G-GC is for applications where grounding conductors and a ground check conductor are required.

### » 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).

#### **Ground Check Conductor:**

Tinned copper conductor with a yellow polypropylene insulation.

#### **Grounding Conductor:**

Tinned copper conductor with an optional green outer covering.



# Caledonian Mining Cables

## Portable Power Cables

### Jacket:

Reinforced 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 Conductor Operating Temperature: +90°C

### » Dimensions and Weight .....

Construction	No. of Strands	Grounding Conductor Size	Ground Check Conductor Size	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Nominal Weight		Ampacity
				inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	
3×8	133	10	10	0.06	1.5	0.125	3.2	0.97	24.6	600	893	59
3×6	133	10	10	0.06	1.5	0.140	3.6	1.05	26.7	735	1094	79
3×4	259	8	10	0.06	1.5	0.155	3.9	1.19	30.2	1065	1585	104
3×3	259	8	10	0.06	1.5	0.155	3.9	1.25	31.8	1245	1853	120
3×2	259	7	10	0.06	1.5	0.155	3.9	1.34	34.0	1480	2202	138
3×1	259	6	8	0.08	2.0	0.170	4.3	1.51	38.4	1885	2805	161
3×1/0	266	5	8	0.08	2.0	0.170	4.3	1.65	41.9	2290	3408	186
3×2/0	329	4	8	0.08	2.0	0.190	4.8	1.75	44.5	2710	4033	215
3×3/0	418	2	8	0.08	2.0	0.190	4.8	1.89	48.0	3270	4866	249
3×4/0	532	2	8	0.08	2.0	0.205	5.2	2.04	51.8	3975	5915	287
3×250	627	2	6	0.095	2.4	0.220	5.6	2.39	60.7	4950	7366	320
3×350	888	1/0	6	0.095	2.4	0.235	6.0	2.68	68.1	6625	9859	394
3×500	1221	2/0	6	0.095	2.4	0.250	6.4	3.03	77.0	8890	13230	487

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