



### Type MP-GC Three-Conductor

### Mine Power Feeder Cable, CPE Jacket, 8kV

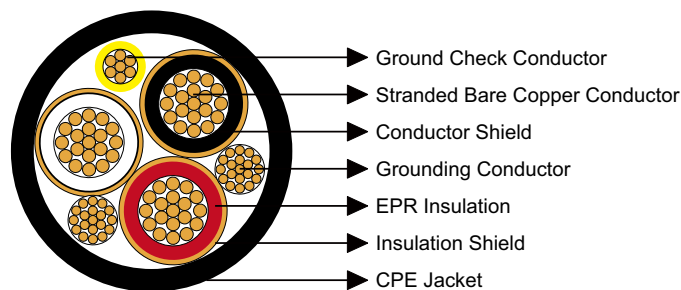
#### » Applications .....

These cables are designed for connections between units of mine distribution systems, suitable for installed in duct, conduit or open air and for direct burial in wet and dry locations.

#### » Standards .....

- ICEA S-75-381/NEMA WC 58
- ASTM B-8
- CAN/CSA-C22.2 No.96

#### » Construction .....



#### **Conductors:**

Stranded annealed bare copper conductor.

#### **Conductor Shield:**

Conducting layer.

#### **Insulation:**

Ethylene Propylene Rubber (EPR).

#### **Insulation Shield:**

Conducting layer + copper tape.

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

Copper conductor with a yellow polypropylene insulation.



# Caledonian Mining Cables

## Mine Power Feeder Cables

### Grounding Conductor:

Tinned copper conductor.

### Jacket:

Chlorinated Polyethylene (CPE), black.

### » Options .....

- Other jacket materials such as CSP/PCP/NBR/PVC/TPU are available upon request.

### » Mechanical and Thermal Properties .....

Minimum Bending Radius: 12×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	
3×6	7	10	8	0.115	2.9	0.11	2.8	1.41	35.8	1175	1749	93
3×4	7	8	8	0.115	2.9	0.11	2.8	1.52	38.6	1608	2392	122
3×2	7	6	8	0.115	2.9	0.11	2.8	1.58	40.1	1919	2855	159
3×1	19	5	8	0.115	2.9	0.11	2.8	1.66	42.2	2507	3730	184
3×1/0	19	4	8	0.115	2.9	0.11	2.8	1.74	44.2	2660	3958	211
3×2/0	19	3	8	0.115	2.9	0.14	3.6	1.90	48.3	3257	4846	243
3×3/0	19	2	8	0.115	2.9	0.14	3.6	2.00	50.8	3432	5107	279
3×4/0	19	1	8	0.115	2.9	0.14	3.6	2.12	53.8	4382	6520	321
3×250	37	1/0	8	0.115	2.9	0.14	3.6	2.22	56.4	4965	7387	355
3×350	37	2/0	8	0.115	2.9	0.14	3.6	2.43	61.7	6484	9647	435
3×500	37	4/0	8	0.115	2.9	0.14	3.6	2.70	68.6	8857	13178	536

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