



### Type MP-GC Three-Conductor

### Mine Power Feeder Cable, CPE Jacket, 5kV

#### » 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.

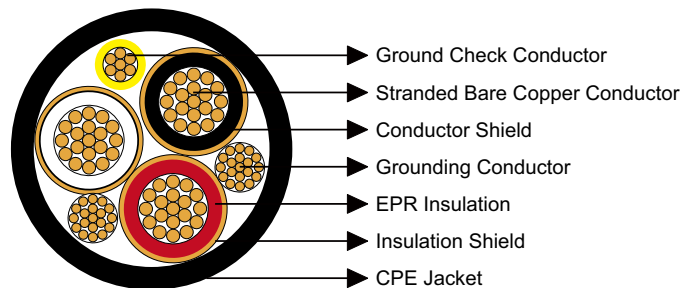
#### » Standarhads .....

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	
No. of cores×AWG/kcmil	-	AWG/kcmil	AWG/kcmil	inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	A
3×6	7	10	8	0.09	2.3	0.11	2.8	1.30	33.0	1060	1577	93
3×4	7	8	8	0.09	2.3	0.11	2.8	1.41	35.8	1441	2144	122
3×2	7	6	8	0.09	2.3	0.11	2.8	1.47	37.3	1827	2718	159
3×1	19	5	8	0.09	2.3	0.11	2.8	1.54	39.1	2168	3226	184
3×1/0	19	4	8	0.09	2.3	0.11	2.8	1.63	41.4	2602	3871	211
3×2/0	19	3	8	0.09	2.3	0.11	2.8	1.72	43.7	3010	4478	243
3×3/0	19	2	8	0.09	2.3	0.14	3.6	1.89	48.0	3265	4859	279
3×4/0	19	1	8	0.09	2.3	0.14	3.6	2.01	51.0	4190	6234	321
3×250	37	1/0	8	0.09	2.3	0.14	3.6	2.10	53.3	4825	7179	355
3×350	37	2/0	8	0.09	2.3	0.14	3.6	2.31	58.7	6062	9019	435
3×500	37	4/0	8	0.09	2.3	0.14	3.6	2.59	65.8	8427	12538	536

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