



# Caledonian

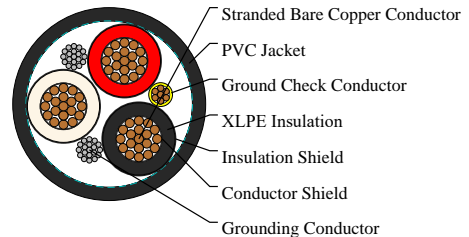
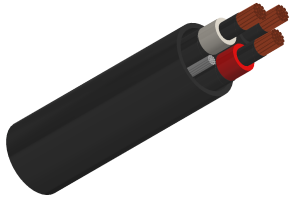
Mining Cables (ICEA & CSA Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

## Mine Power Feeder Cables

Type MP-GC Three-Conductor Mine Power Feeder Cable, PVC Jacket 5kV 3C1/0AWG



## APPLICATIONS

These cables are designed for connections between units of mine distribution systems, suitable 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

## CABLE CONSTRUCTION

Conductors: Stranded annealed bare copper conductor.

Conductor Shield: Conducting layer.

Insulation: Cross-Linked Polyethylene (XLPE).

Insulation Shield: Conducting layer + copper tape.

Ground Check Conductor: Copper conductor with a yellow polypropylene insulation.

Grounding Conductor: Tinned copper conductor.

Jacket: Polyvinyl Chloride (PVC), black.

Options:

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

## COLOUR CODE

Conductor Identification According to ICEA S-75-381:

3 Cores: Black+White+Red

## PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 12×OD

Maximum Conductor Operating Temperature: +90°C

## DIMENSION AND PARAMETERS



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| No. of Cores | AWG Size | No. of Strands | Nominal Insulation Thickness<br>in | Nominal Insulation Thickness<br>mm | Ground Wire<br>AWG | Ground Check<br>Conductor<br>AWG | Nominal Jacket<br>Thickness<br>in | Nominal Jacket<br>Thickness<br>mm | Approx. Overall<br>Diameter<br>in | Approx. Overall<br>Diameter<br>mm | Approx. Weight<br>kg/km | Ampacity<br>amps |
|--------------|----------|----------------|------------------------------------|------------------------------------|--------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|------------------|
| 3            | 1/0      | 19             | 0.09                               | 2.3                                | 4                  | 8                                | 0.11                              | 2.8                               | 1.63                              | 41.4                              | 3273                    | 211              |