



# Caledonian

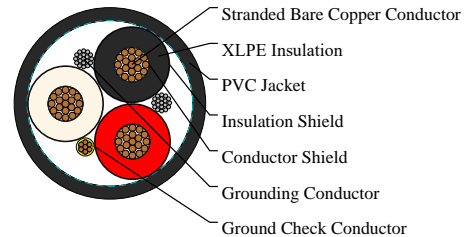
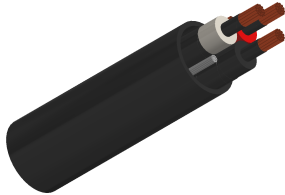
Mining Cables (ICEA & CSA Standard)

[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 15kV 3C1AWG



## 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

## 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:  $12 \times OD$

Maximum Conductor Operating Temperature:  $+90^{\circ}C$

## 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        | 19             | 0.175                              | 4.4                                | 5                  | 8                                | 0.14                              | 3.6                               | 1.99                              | 50.6                              | 3724                    | 187              |