



Caledonian

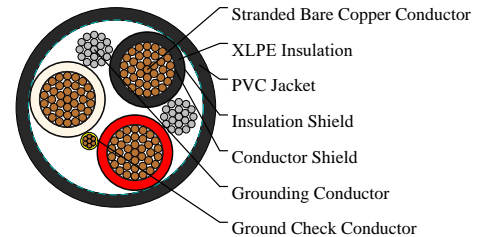
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

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Mine Power Feeder Cables

Type MP-GC Three-Conductor Mine Power Feeder Cable, PVC Jacket 5kV 3C500AWG



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 in	Nominal Insulation Thickness mm	Ground Wire AWG	Ground Check Conductor AWG	Nominal Jacket Thickness in	Nominal Jacket Thickness mm	Approx. Overall Diameter in	Approx. Overall Diameter mm	Approx. Weight kg/km	Ampacity amps
3	500	37	0.09	2.3	4/0	8	0.14	3.6	2.59	65.8	11487	536