Caledonian

Mining Cables (ICEA & CSA Standard)

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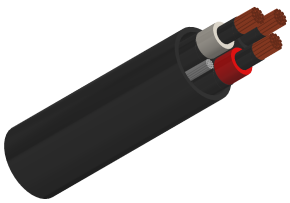
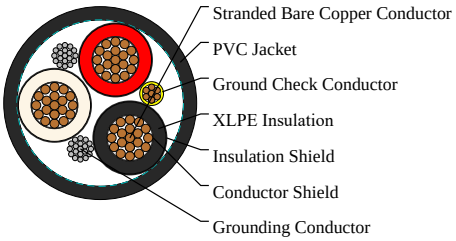
Mine Power Feeder Cables

Type MP-GC Three-Conductor Mine Power Feeder Cable, PVC Jacket 5kV 3C1AWG





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℃

DIMENSION AND PARAMETERS

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No. of Cores	AWG Size	No. of Strands	Nominal Insulation Thickness	Nominal Insulation Thickness	Ground Wire	Ground Check Conductor	Nominal Jacket Thickness	Nominal Jacket Thickness	Approx. Overall Diameter	Approx. Overall Diameter	Approx. Weight	Ampacity
			in	mm	AWG	AWG	in	mm	in	mm	kg/km	amps
3	1	19	0.09	2.3	5	8	0.11	2.8	1.54	39.1	2901	184