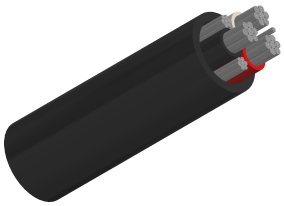
Caledonian

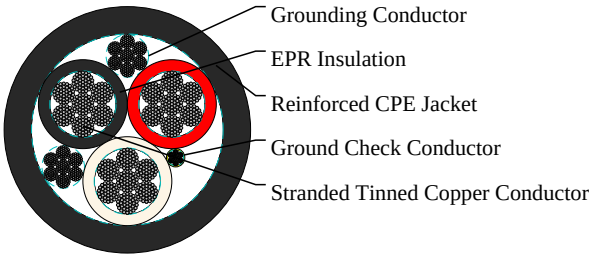
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com marketing@caledonian-cables.com

Portable Power Cables

Type G-GC Three-Conductor Round Portable Power Cable 2kV 3C3/0AWG





APPLICATIONS

These cables are suitable for use with mobile mining equipment such as continuous miners, drills, cutters,loading machines, AC shuttle cars and pumps. Type G-GC is for applications where grounding conductors and a ground check conductor are required.

STANDARDS

ICEA S-75-381/NEMA WC 58
ASTM B 172/ASTM B 33
CAN/CSA C22.2 No. 96

CABLE CONSTRUCTION

Conductors:Stranded annealed tinned copper conductor.
Insulation:Ethylene Propylene Rubber (EPR).
Ground Check Conductor:Tinned copper conductor with a yellow polypropylene insulation.
Grounding Conductor:Tinned copper conductor with an optional green outer covering.
Jacket:Reinforced heavy-duty/extra-heavy-duty Chlorinated Polyethylene (CPE), black. (Cables having a nominal outside diameter of more than 2.0 inches require extra-heavy-duty jackets.)

Options:
Other jacket materials such as CSP/PCP/NBR/PVC are available upon request.
Two-layer jacket with reinforcing fibre between the two layers can be offered as an option.

COLOUR CODE

Conductor Identification According to ICEA S-75-381:
3 Cores:Black+White+Red

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 6×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	3/0	418	0.08	2	2	8	0.19	4.8	1.89	48	4866	249