



Caledonian

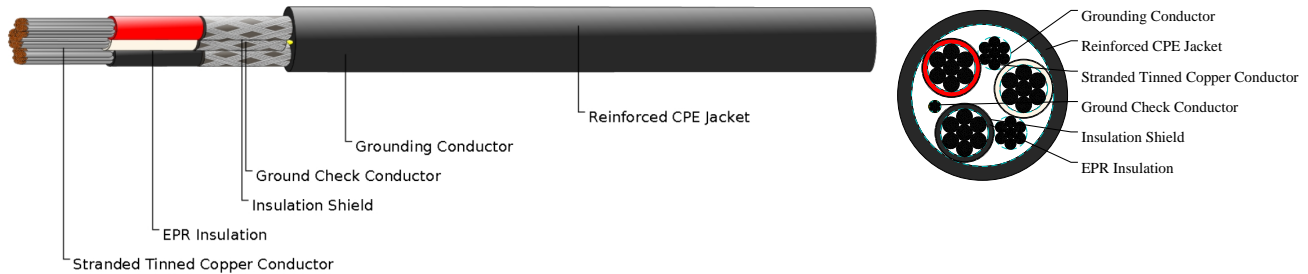
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

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Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, CPE Jacket 2kV 3C500AWG



APPLICATIONS

These heavy duty cables are designed for applications such as longwall shearers, continuous miners, loaders, drills, conveyors, pumps and mobile equipment where grounding conductors, a ground check conductor and metallic shielding 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).

Insulation Shield: Tinned copper/textile braid.

Ground Check Conductor: Tinned copper conductor with a yellow polypropylene insulation.

Grounding Conductor: Tinned copper conductor.

Jacket: Reinforced extra-heavy-duty Chlorinated Polyethylene (CPE), black.

Options:

Other jacket materials such as CSP/PCP/NBR/PVC/TPU 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°C

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 Conduct	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	500	1221	0.095	2.4	4/0	6	0.265	6.7	3.19	81	14614	536