



Caledonian

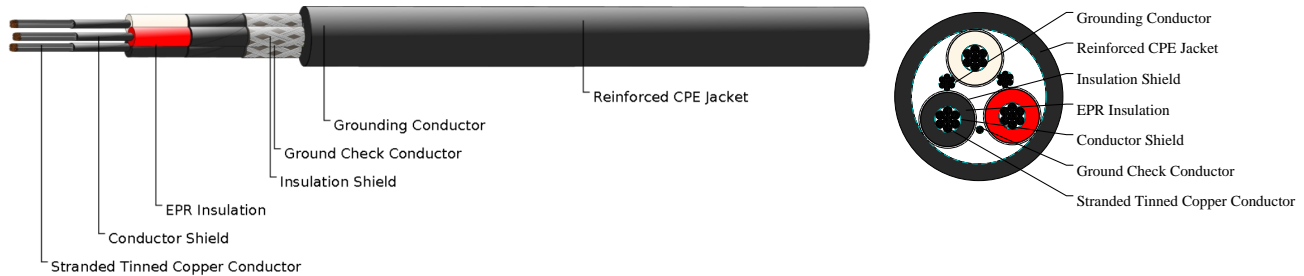
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

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Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, CPE Jacket 25kV 3C4/0AWG



APPLICATIONS

These heavy duty cables are designed for applications such as longwall shearers, continuous miners and mobile equipment such as shovels, dredges and drills.

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: Conducting tape + 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: 8×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	4/0	532	0.26	6.6	1	8	0.295	7.5	3.5	88.9	12277	327