



Caledonian

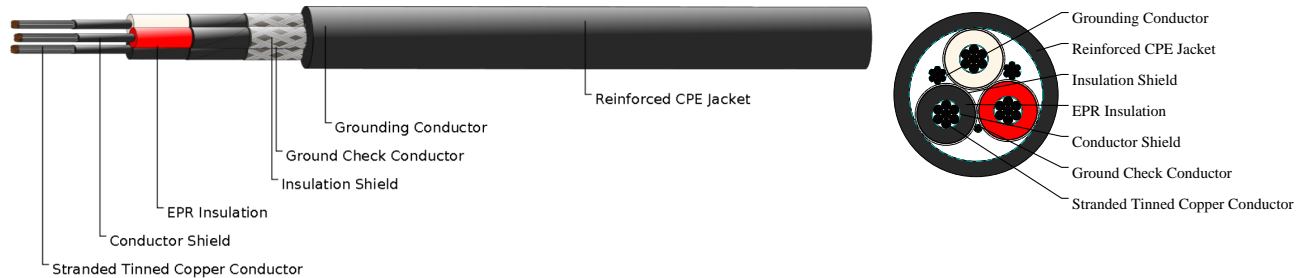
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

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Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, CPE Jacket 15kV 3C2/0AWG



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 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 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 | 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 | 2/0 | 329 | 0.21 | 5.3 | 3 | 8 | 0.25 | 6.4 | 2.73 | 69.3 | 7783 | 246 |