



Caledonian

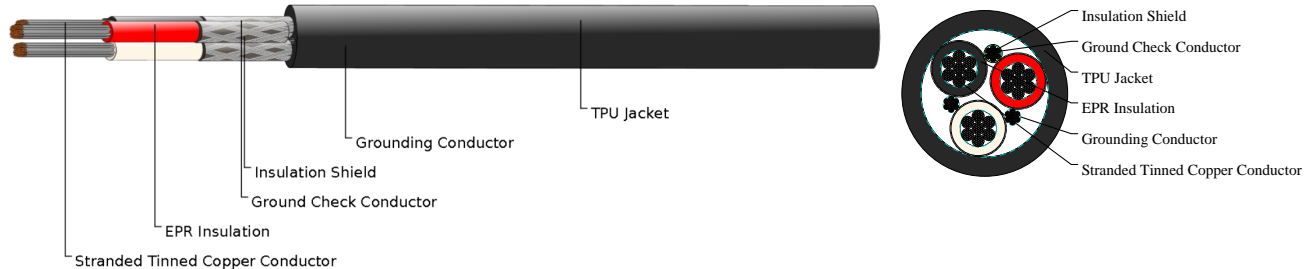
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

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Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, TPU Jacket 2kV 3C4AWG



APPLICATIONS

These heavy duty cables are designed for heavy mobile equipment such as drag lines, shovels, dredges, drills and for power feeders.

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: Thermoplastic Polyurethane (TPU) Jacket, black.

Options:

Other jacket materials such as CPE/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°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 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 | 4 | 259 | 0.07 | 1.8 | 8 | 10 | 0.155 | 3.9 | 1.4 | 35.6 | 1927 | 122 |