



Caledonian

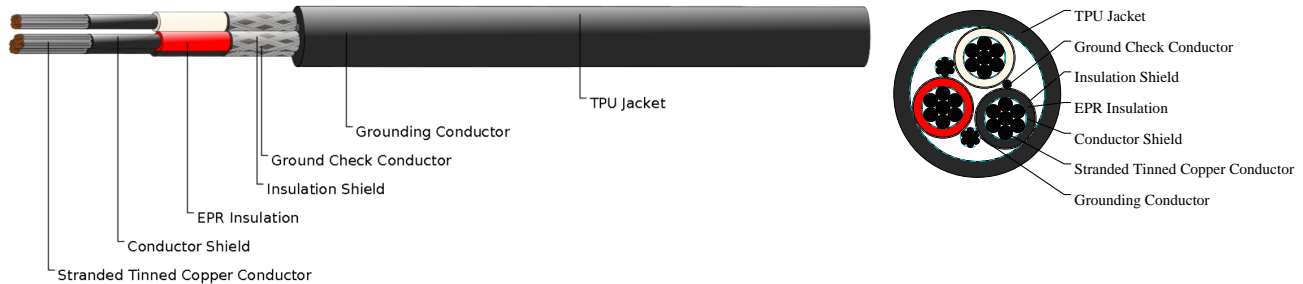
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

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Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, TPU Jacket 5kV 3C4/0AWG



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: $6 \times OD$

Maximum Conductor Operating Temperature: $+90^{\circ}C$

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 Conductors | 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 | 4/0 | 532 | 0.11 | 2.8 | 1 | 8 | 0.235 | 6 | 2.5 | 63.5 | 6767 | 321 |