



# Caledonian

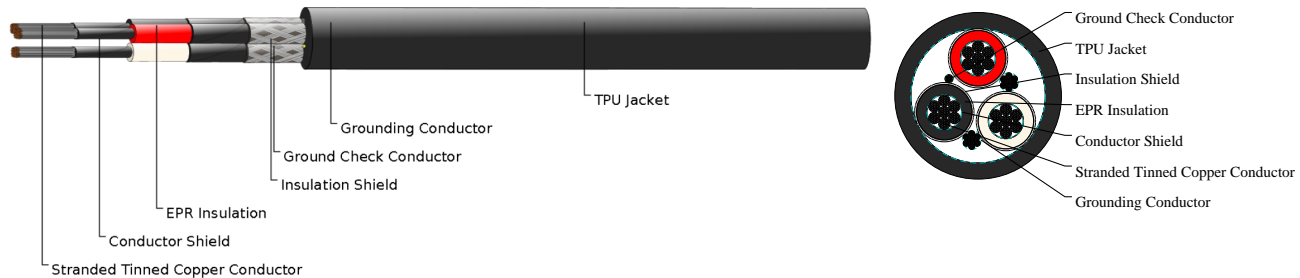
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

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## Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, TPU Jacket 8kV 3C3/0AWG



## 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: Conducting tape + 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:  $8 \times OD$

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            | 3/0      | 413            | 0.15                         | 3.8                          | 2           | 8                       | 0.25                     | 6.4                      | 2.62                     | 66.5                     | 6817           | 279      |