



# Caledonian

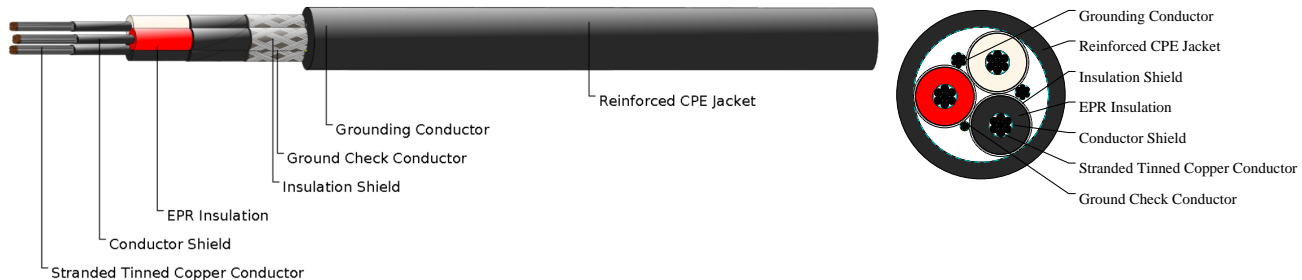
Mining Cables (ICEA & CSA Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

## Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, CPE Jacket 15kV 3C2AWG



## 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



## Caledonian

Mining Cables (ICEA & CSA Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

| No. of<br>Cores | AWG<br>Size | No. of<br>Strands | Nominal<br>Insulation<br>Thickness | Nominal<br>Insulation<br>Thickness | Ground<br>Wire | Ground<br>Check<br>Conductor | Nominal<br>Jacket<br>Thickness | Nominal<br>Jacket<br>Thickness | Approx.<br>Overall<br>Diameter | Approx.<br>Overall<br>Diameter | Approx.<br>Weight | Ampacity |
|-----------------|-------------|-------------------|------------------------------------|------------------------------------|----------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------|----------|
|                 |             |                   | in                                 | mm                                 | AWG            | AWG                          | in                             | mm                             | in                             | mm                             | kg/km             | amps     |
| 3               | 2           | 259               | 0.21                               | 5.3                                | 6              | 8                            | 0.235                          | 6                              | 2.41                           | 61.2                           | 5529              | 164      |