



# Caledonian

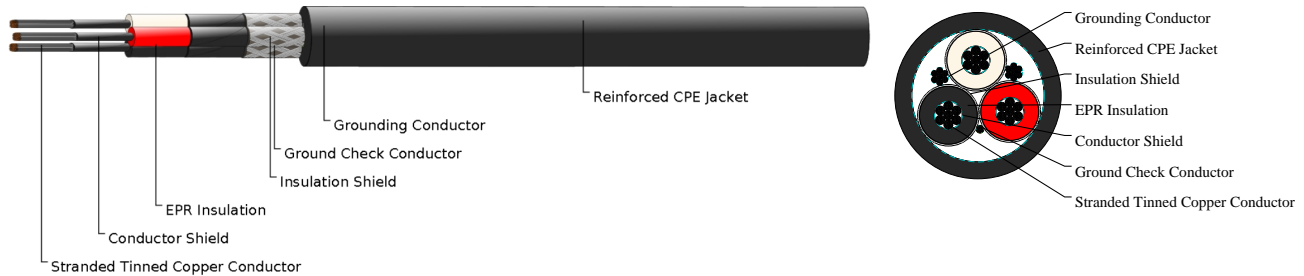
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

## Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, CPE Jacket 25kV 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 conductor 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/TPU 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 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            | 2/0      | 329            | 0.26                         | 6.6                          | 3           | 8                       | 0.28                     | 7.1                      | 3.2                      | 81.3                     | 9695           | 249      |