



Type SHD-CGC Three-Conductor Round Portable Power Cable 2kV

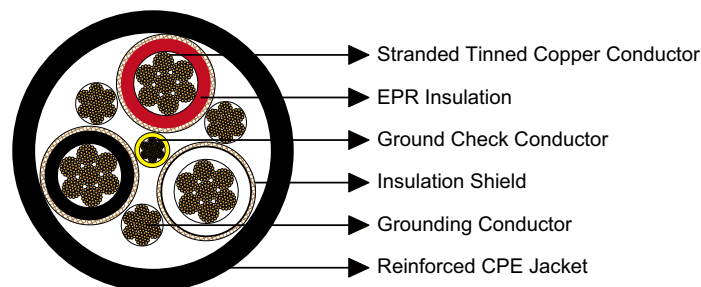
» Applications

These heavy duty cables are designed for applications such as longwall shearers, continuous miners, loaders, drills, conveyors, pumps, and other mobile equipment requiring grounding conductors, where a ground check conductor, and metallic shielding are required.

» Standards

- ICEA S-75-381/NEMA WC 58
- ASTM B 172
- ASTM B 33
- CAN/CSA C22.2 No. 96

» Construction



Conductors:

Stranded annealed tinned copper conductor.

Insulation:

Ethylene Propylene Rubber (EPR).

Insulation Shield:

Tinned copper/textile braid.

Ground Check Conductor:

Tinned copper with a yellow insulation, located in the center of the cable.



Caledonian Mining Cables

Portable Power Cables

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.

» Mechanical and Thermal Properties

Minimum Bending Radius: 6×OD

Maximum Conductor Operating Temperature: +90°C

» Dimensions and Weight

| Construction | No. of Strands | Grounding Conductor Size | Ground Check Conductor Size | Nominal Insulation Thickness | | Nominal Jacket Thickness | | Nominal Overall Diameter | | Nominal Weight | | Ampacity |
|--------------|----------------|--------------------------|-----------------------------|------------------------------|-----|--------------------------|-----|--------------------------|------|----------------|-------|----------|
| | | | | inch | mm | inch | mm | inch | mm | lbs/kft | kg/km | |
| 3×2/0 | 342 | 5 | 16 | 0.08 | 2.0 | 0.205 | 5.2 | 2.09 | 53.1 | 3400 | 5059 | 243 |
| 3×3/0 | 418 | 4 | 16 | 0.08 | 2.0 | 0.205 | 5.2 | 2.21 | 56.1 | 3934 | 5853 | 279 |
| 3×4/0 | 532 | 3 | 16 | 0.08 | 2.0 | 0.220 | 5.6 | 2.36 | 59.9 | 4860 | 7231 | 321 |
| 3×350 | 888 | 1 | 16 | 0.95 | 2.4 | 0.250 | 6.3 | 2.81 | 71.4 | 7400 | 11010 | 435 |

Ampacity-Based on a conductor temperature of 90°C and an ambient air temperature of 40°C, per ICEA S-75-381.