



## Type SHD-CGC Three-Conductor Round Portable Power Cable 5kV

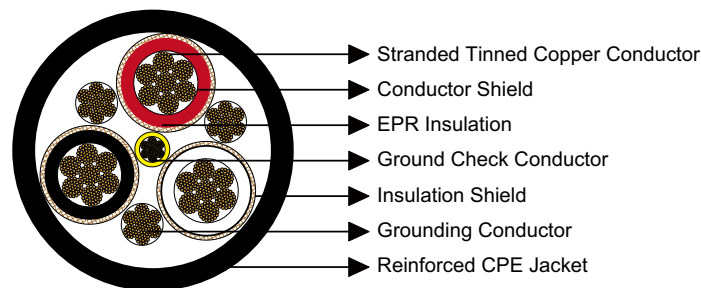
### » Applications .....

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.

#### **Conductor Shield:**

Conducting layer.

#### **Insulation:**

Ethylene Propylene Rubber (EPR).

#### **Insulation Shield:**

Tinned copper/textile braid.



# Caledonian Mining Cables

## Portable Power Cables

### Ground Check Conductor:

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

### 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.

## » 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	323	5	16	0.11	2.8	0.220	5.6	2.20	55.9	3716	5529	243
3×3/0	418	4	16	0.11	2.8	0.235	6.0	2.36	59.9	4130	6145	279
3×4/0	532	3	16	0.11	2.8	0.235	6.0	2.50	63.5	5190	7722	321
3×350	888	1	16	0.12	3.0	0.265	6.7	2.95	74.9	7571	11264	435

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