



## Caledonian

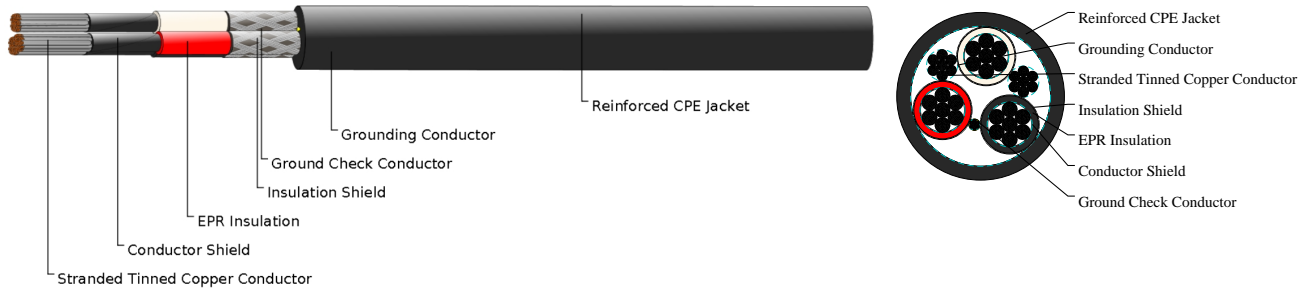
Mining Cables (ICEA & CSA Standard)

[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 5kV 3C500AWG



### 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: 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:  $6 \times OD$

Maximum Conductor Operating Temperature:  $+90^{\circ}\text{C}$

### 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 Conductor	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	500	1221	0.12	3	4/0	6	0.28	7.1	3.31	84.1	15799	536