



Type SHD-GC Three-Conductor

Round Portable Power Cable, CPE Jacket 25kV

» 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

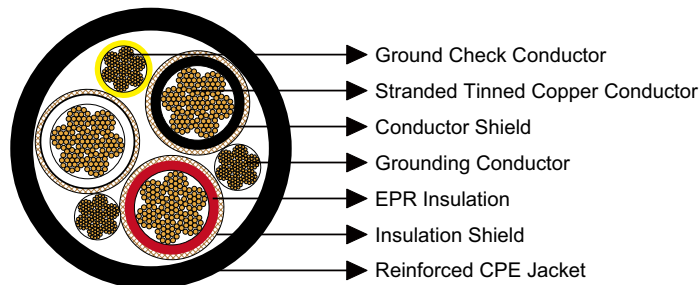
ICEA S-75-381/NEMA WC 58

ASTM B 172

ASTM B 33

CAN/CSA-C22.2 No.96

» Construction



Conductors:

Stranded annealed tinned copper conductor.

Conductor Shield:

Conducting layer.

Insulation:

Ethylene Propylene Rubber (EPR).

Insulation Shield:

Conducting tape + Tinned copper/textile braid.



Caledonian Mining Cables

Portable Power Cables

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/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: 8×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	
3×1	259	5	8	0.260	6.6	0.265	6.7	2.95	74.9	5290	7872	191
3×1/0	259	4	8	0.260	6.6	0.265	6.7	3.05	77.5	5800	8631	218
3×2/0	329	3	8	0.260	6.6	0.280	7.1	3.20	81.3	6515	9695	249
3×3/0	413	2	8	0.260	6.6	0.280	7.1	3.33	84.6	7215	10737	286
3×4/0	532	1	8	0.260	6.6	0.295	7.5	3.50	88.9	8250	12277	327

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