



Type SHD-GC Three-Conductor

Round Portable Power Cable, CPE Jacket 5kV

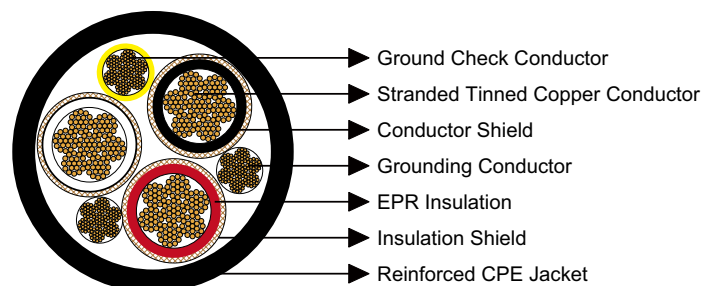
» Applications

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:

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: 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	
No. of cores×AWG/kcmil	-	AWG/kcmil	AWG/kcmil	inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	A
3×6	133	10	8	0.110	2.8	0.185	4.7	1.56	39.6	1560	2322	93
3×4	259	8	8	0.110	2.8	0.185	4.7	1.68	42.7	1895	2820	122
3×2	259	6	8	0.110	2.8	0.205	5.2	1.87	47.5	2445	3639	159
3×1	259	5	8	0.110	2.8	0.205	5.2	1.95	49.5	2800	4167	184
3×1/0	266	4	8	0.110	2.8	0.220	5.6	2.08	52.8	3230	4807	211
3×2/0	329	3	8	0.110	2.8	0.220	5.6	2.20	55.9	3800	5655	243
3×3/0	418	2	8	0.110	2.8	0.235	6.0	2.36	59.9	4475	6660	279
3×4/0	532	1	8	0.110	2.8	0.235	6.0	2.50	63.5	5265	7835	321
3×250	627	1/0	6	0.120	3.0	0.250	6.4	2.69	68.3	6105	9085	355
3×300	741	1/0	6	0.120	3.0	0.250	6.4	2.81	71.4	6875	10231	398
3×350	888	2/0	6	0.120	3.0	0.265	6.7	2.95	74.9	7795	11600	435
3×500	1221	4/0	6	0.120	3.0	0.280	7.1	3.31	84.1	10415	15499	536

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