



Type SHD-GC Three-Conductor

Round Portable Power Cable, CPE Jacket 2kV

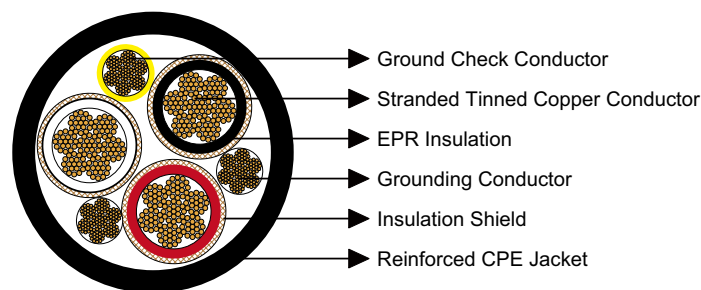
» Applications

These heavy duty cables are designed for applications such as longwall shearers, continuous miners, loaders, drills, conveyors, pumps and mobile equipment where grounding conductors, 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 conductor with a yellow polypropylene insulation.



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/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	10	0.07	1.8	0.155	3.9	1.29	32.8	1130	1682	93
3×4	259	8	10	0.07	1.8	0.155	3.9	1.40	35.6	1460	2173	122
3×3	259	7	10	0.07	1.8	0.170	4.3	1.51	38.3	1680	2500	140
3×2	259	6	10	0.07	1.8	0.170	4.3	1.59	40.4	1990	2961	159
3×1	259	5	8	0.08	2.0	0.190	4.8	1.76	44.7	2385	3549	184
3×1/0	266	4	8	0.08	2.0	0.190	4.8	1.86	47.2	2765	4115	211
3×2/0	329	3	8	0.08	2.0	0.205	5.2	2.00	50.8	3255	4844	243
3×3/0	418	2	8	0.08	2.0	0.205	5.2	2.13	54.1	3890	5789	279
3×4/0	532	1	8	0.08	2.0	0.220	5.6	2.31	58.7	4720	7024	321
3×250	627	1/0	6	0.095	2.4	0.220	5.6	2.51	63.8	5460	8125	355
3×300	741	1/0	6	0.095	2.4	0.235	6.0	2.68	68.1	6395	9517	398
3×350	888	2/0	6	0.095	2.4	0.235	6.0	2.81	71.4	7280	10834	435
3×500	1221	4/0	6	0.095	2.4	0.265	6.7	3.19	81.0	9820	14614	536

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