



Type SHD-GC Three-Conductor

Round Portable Power Cable, TPU Jacket 5kV

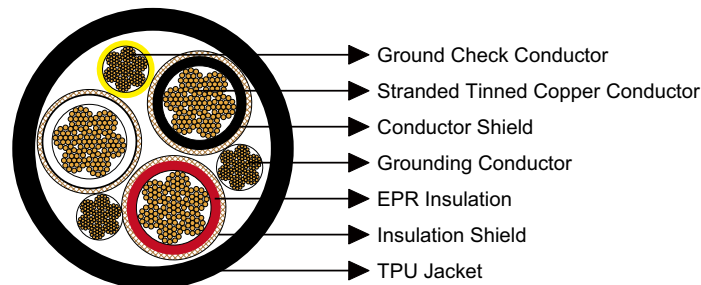
» Applications

These heavy duty cables are designed for heavy mobile equipment such as drag lines, shovels, dredges, drills and for power feeders.

» 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 conductor with a yellow polypropylene insulation.

Grounding Conductor:

Tinned copper conductor.

Jacket:

Thermoplastic Polyurethane (TPU) Jacket, black.

» Options

- Other jacket materials such as CPE/CSP/PCP/NBR/PVC 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	
3×6	133	10	8	0.110	2.8	0.185	4.7	1.56	39.6	1342	1997	93
3×4	259	8	8	0.110	2.8	0.185	4.7	1.68	42.7	1629	2424	122
3×2	259	6	8	0.110	2.8	0.205	5.2	1.87	47.5	2228	3315	159
3×1	259	5	8	0.110	2.8	0.205	5.2	1.95	49.5	2447	3641	184
3×1/0	266	4	8	0.110	2.8	0.220	5.6	2.08	52.8	2760	4106	211
3×2/0	323	3	8	0.110	2.8	0.220	5.6	2.20	55.9	3238	4818	243
3×3/0	418	2	8	0.110	2.8	0.235	6.0	2.36	59.9	3792	5642	279
3×4/0	532	1	8	0.110	2.8	0.235	6.0	2.50	63.5	4548	6767	321
3×250	627	1/0	6	0.120	3.0	0.250	6.4	2.69	68.3	5427	8074	355
3×350	888	2/0	6	0.120	3.0	0.265	6.7	2.95	74.9	7070	10519	435
3×500	1221	4/0	6	0.120	3.0	0.280	7.1	3.31	84.1	9407	13996	536

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