



Type SHD-GC Three-Conductor

Round Portable Power Cable, TPU Jacket 2kV

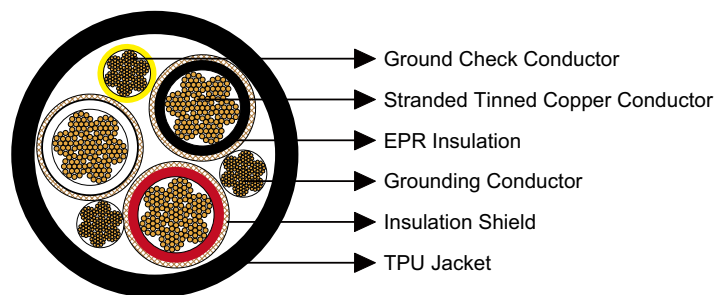
» Applications

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.

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:

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	10	0.07	1.8	0.155	3.9	1.29	32.8	1069	1590	93
3×4	259	8	10	0.07	1.8	0.155	3.9	1.40	35.6	1295	1927	122
3×2	259	6	10	0.07	1.8	0.170	4.3	1.59	40.4	1778	2645	159
3×1	259	5	8	0.08	2.0	0.190	4.8	1.76	44.7	2163	3218	184
3×1/0	266	4	8	0.08	2.0	0.190	4.8	1.86	47.2	2508	3731	211
3×2/0	323	3	8	0.08	2.0	0.205	5.2	2.00	50.8	3001	4465	243
3×3/0	418	2	8	0.08	2.0	0.205	5.2	2.13	54.1	3470	5163	279
3×4/0	532	1	8	0.08	2.0	0.220	5.6	2.31	58.7	4192	6237	321
3×250	627	1/0	6	0.095	2.4	0.220	5.6	2.51	63.8	5213	7756	355
3×350	888	2/0	6	0.095	2.4	0.235	6.0	2.81	71.4	6824	10153	435
3×500	1221	4/0	6	0.095	2.4	0.265	6.7	3.19	81.0	9014	13411	536

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