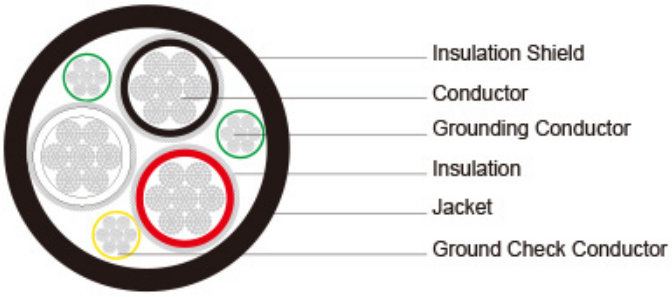
Type SHD-GC Three-Conductor Portable Power Cable, CPE Jacket 2kV



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).
Ground Check Conductor	Tinned copper with a yellow insulation, located in the center of the cable.
Grounding Conductor	Tinned copper conductor.
Jacket	Reinforced extra-heavy-duty Chlorinated Polyethylene(CPE), black.
Options	Other jacket materials such as 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 Operating Temperature: +90℃

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
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℃ and an ambient air temperature of 40℃, per ICEA S-75-381.