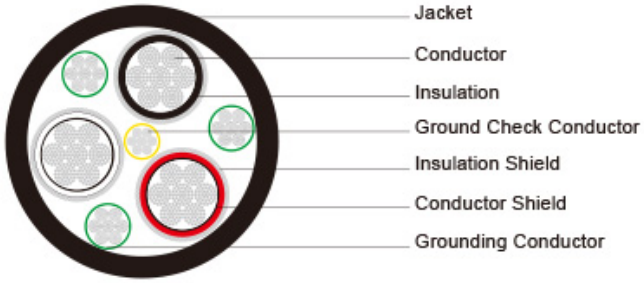
Type SHD-GC Three-Conductor Round Portable Power Cable, CPE Jacket 8kV



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	Semi-conducting layer.
Insulation	Ethylene Propylene Rubber (EPR).
Insulation Shield	Conducting tape + Tinned copper/textile braid.
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 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

3×4	259	8	8	0.150	3.8	0.205	5.2	1.94	49.3	2308	3594	122
3×2	259	6	8	0.150	3.8	0.220	5.6	2.12	53.8	2920	4554	159
3×1	329	5	8	0.150	3.8	0.220	5.6	2.21	56.1	3292	5104	184
3×1/0	259	4	8	0.150	3.8	0.220	5.6	2.32	58.9	3675	5700	211
3×2/0	329	3	8	0.150	3.8	0.235	6.0	2.46	62.5	4304	6593	243
3×3/0	413	2	8	0.150	3.8	0.250	6.4	2.62	66.5	5200	7738	279
3×4/0	532	1	8	0.150	3.8	0.250	6.4	2.75	69.8	5840	8713	321
3×250	608	1/0	6	0.150	3.8	0.250	6.4	2.89	73.4	6774	9948	355
3×300	741	1/0	6	0.150	3.8	0.265	6.7	3.04	77.2	7423	11384	398
3×350	888	2/0	6	0.150	3.8	0.280	7.1	3.21	81.3	8543	12739	435
3×500	1221	4/0	6	0.150	3.8	0.295	7.5	3.56	90.4	11260	16757	536

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