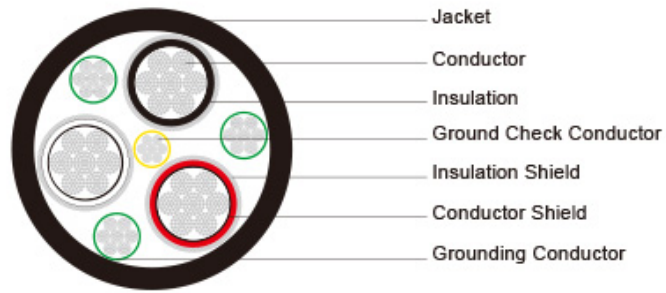


Type SHD-GC Three-Conductor Portable Power Cable, CPE Jacket 5kV



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	Conducting layer.
Insulation	Ethylene Propylene Rubber (EPR).
Insulation Shield	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: 6xOD Maximum Operating Temperature: +90°C

Dimensions and Weight:

Construction	No. of Strands	Grounding Conductor or Size	Ground Check Conductor or Size	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Nominal Weight		Ampacity
				inch	m	inch	m	inch	m	lbs/kft	kg/km	
No. of cores x AWG/kc mil	-	AWG/kc mil	AWG/kc mil	inch	m	inch	m	inch	m	lbs/kft	kg/km	A

3x6	133	10	8	0.11 0	2.8	0.18 5	4.7	1.5 6	39. 6	1560	2322	93
3x4	259	8	8	0.11 0	2.8	0.18 5	4.7	1.6 8	42. 7	1895	2820	122
3x2	259	6	8	0.11 0	2.8	0.20 5	5.2	1.8 7	47. 5	2445	3639	159
3x1	259	5	8	0.11 0	2.8	0.20 5	5.2	1.9 5	49. 5	2800	4167	184
3x1/0	266	4	8	0.11 0	2.8	0.22 0	5.6	2.0 8	52. 8	3230	4807	211
3x2/0	329	3	8	0.11 0	2.8	0.22 0	5.6	2.2 0	55. 9	3800	5655	243
3x3/0	418	2	8	0.11 0	2.8	0.23 5	6.0	2.3 6	59. 9	4475	6660	279
3x4/0	532	1	8	0.11 0	2.8	0.23 5	6.0	2.5 0	63. 5	5265	7835	321
3x250	627	1/0	6	0.12 0	3.0	0.25 0	6.4	2.6 9	68. 3	6105	9085	355
3x300	741	1/0	6	0.12 0	3.0	0.25 0	6.4	2.8 1	71. 4	6875	1023 1	398
3x350	888	2/0	6	0.12 0	3.0	0.26 5	6.7	2.9 5	74. 9	7795	1160 0	435
3x500	1221	4/0	6	0.12 0	3.0	0.28 0	7.1	3.3 1	84. 1	1041 5	1549 9	536

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