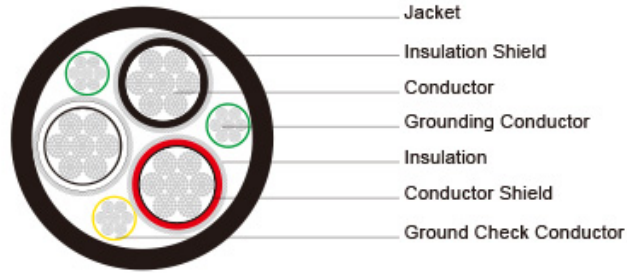


Type SHD-GC Three-Conductor Portable Power Cable, TPU Jacket 15kV



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: 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	mm	inch	mm	inch	mm	lbs/ft	kg/m	
No. of cores x AWG/kc mil	-	AWG/kc mil	AWG/kc mil	inch	mm	inch	mm	inch	mm	lbs/ft	kg/m	A

3x4	259	8	8	0.15 0	3.8	0.20 5	5.2	1.9 4	49. 3	2308	3594	122
3x2	259	6	8	0.15 0	3.8	0.22 0	5.6	2.1 2	53. 8	2920	4554	159
3x1	329	5	8	0.15 0	3.8	0.22 0	5.6	2.2 1	56. 1	3292	5104	184
3x1/0	259	4	8	0.15 0	3.8	0.22 0	5.6	2.3 2	58. 9	3675	5700	211
3x2/0	329	3	8	0.15 0	3.8	0.23 5	6.0	2.4 6	62. 5	4304	6593	243
3x3/0	413	2	8	0.15 0	3.8	0.25 0	6.4	2.6 2	66. 5	5200	7738	279
3x4/0	532	1	8	0.15 0	3.8	0.25 0	6.4	2.7 5	69. 8	5840	8713	321
3x250	608	1/0	6	0.15 0	3.8	0.25 0	6.4	2.8 9	73. 4	6774	9948	355
3x300	741	1/0	6	0.15 0	3.8	0.26 5	6.7	3.0 4	77. 2	7423	1138 4	398
3x350	888	2/0	6	0.15 0	3.8	0.28 0	7.1	3.2 1	81. 3	8543	1273 9	435
3x500	1221	4/0	6	0.15 0	3.8	0.29 5	7.5	3.5 6	90. 4	1126 0	1675 7	536

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