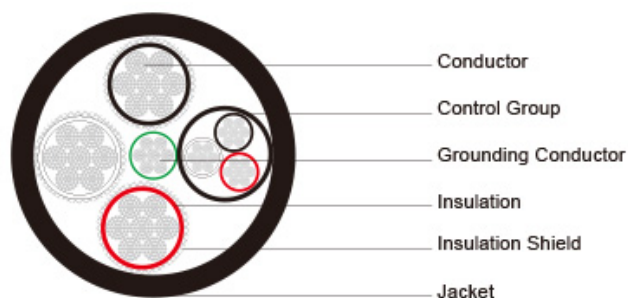


Type SHD-PCG Three-Conductor Portable Power Cable 2kV



Applications	These heavy duty cables are designed for use on longwall shearers, where three shielded power conductors, three unshielded control conductors, and a grounding conductor 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).											
Insulation Shield	Tinned copper/textile braid.											
Control Group (3 Conductor)	Tinned copper conductor, EPR insulation and thermosetting jacket. Colour of insulation: Black, white and red.											
Grounding Conductor	Tinned copper conductor, located in the center of the cable.											
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	Control Conductor or Size	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Nominal Weight		Ampacity
No. of cores x AWG/kc mil	-	AWG/kc mil	AWG/kc mil	inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	A

3x1/0	259	3	8	0.0 8	2.0	0.20 5	5.2	2.0 5	52. 1	3092	4602	211
3x2/0	329	2	8	0.0 8	2.0	0.22 0	5.6	2.2 5	57. 1	3698	5503	243
3x3/0	413	1	8	0.0 8	2.0	0.22 0	5.6	2.3 2	58. 9	4295	6392	279
3x4/0	532	1/0	8	0.0 8	2.0	0.25 0	6.3	2.6 2	66. 5	5115	7612	321

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