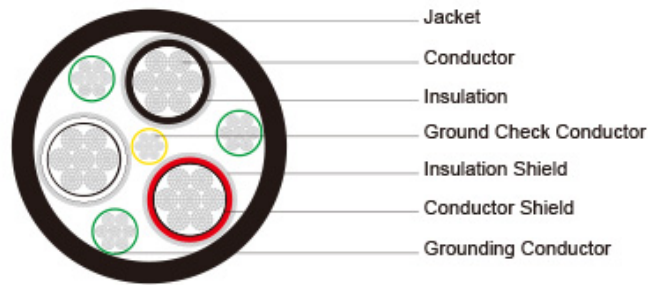


**Type SHD-CGC Three-Conductor Round Portable Power Cable 5kV**



<b>Applications</b>	These heavy duty cables are designed for applications such as longwall shearers, continuous miners, loaders, drills, conveyors, pumps, and other mobile equipment requiring grounding conductors, where a ground check conductor, and metallic shielding are required.
<b>Standards</b>	ICEA S-75-381/NEMA WC 58; ASTM B 172; ASTM B 33; CAN/CSA C22.2 No. 96
<b>Construction</b>	
<b>Conductors</b>	Stranded annealed tinned copper conductor.
<b>Conductor Shield</b>	Conducting layer.
<b>Insulation</b>	Ethylene Propylene Rubber (EPR).
<b>Insulation Shield</b>	Tinned copper/textile braid.
<b>Ground Check Conductor</b>	Tinned copper with a yellow insulation, located in the center of the cable.
<b>Grounding Conductor</b>	Tinned copper conductor.
<b>Jacket</b>	Reinforced extra-heavy-duty Chlorinated Polyethylene(CPE), black.
<b>Options</b>	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.
<b>Mechanical and Thermal Properties</b>	Minimum Bending Radius: 6xOD Maximum Operating Temperature: +90°C

**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
				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

3x2/0	323	5	16	0.1 1	2.8	0.22 0	5.6	2.2 0	55. 9	3716	5529	243
3x3/0	418	4	16	0.1 1	2.8	0.23 5	6.0	2.3 6	59. 9	4130	6145	279
3x4/0	532	3	16	0.1 1	2.8	0.23 5	6.0	2.5 0	63. 5	5190	7722	321
3x350	888	1	16	0.1 2	3.0	0.26 5	6.7	2.9 5	74. 9	7571	1126 4	435

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