Type SHD-CGC Three-Conductor
Round Portable Power Cable 2kV

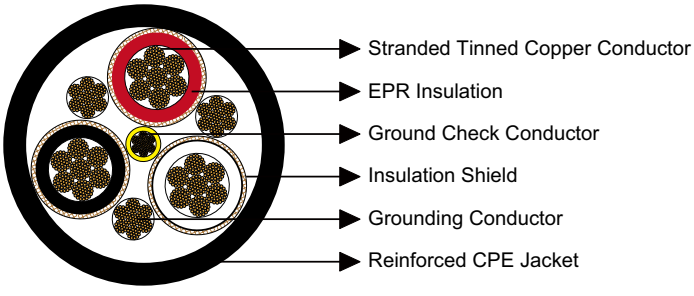
» Applications

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.

» 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.

Ground Check Conductor:

Tinned copper with a yellow insulation, located in the center of the cable.

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 Conductor 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
3×2/0	342	5	16	0.08	2.0	0.205	5.2	2.09	53.1	3400	5059	243
3×3/0	418	4	16	0.08	2.0	0.205	5.2	2.21	56.1	3934	5853	279
3×4/0	532	3	16	0.08	2.0	0.220	5.6	2.36	59.9	4860	7231	321
3×350	888	1	16	0.95	2.4	0.250	6.3	2.81	71.4	7400	11010	435

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