Type SHD-GC Three-Conductor

Round Portable Power Cable, CPE Jacket 15kV

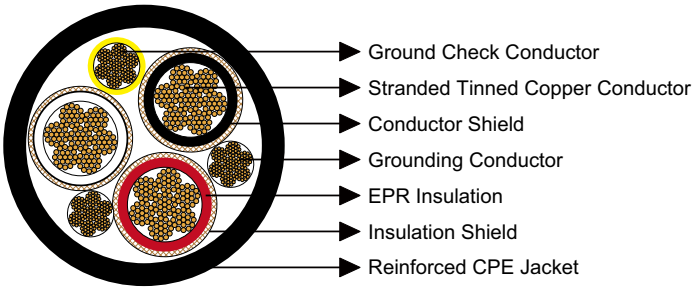
» Applications

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:

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/TPU 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: 8×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	259	6	8	0.210	5.3	0.235	6.0	2.41	61.2	3572	5529	164
3×1	259	5	8	0.210	5.3	0.235	6.0	2.52	64.0	4060	6042	187
3×1/0	259	4	8	0.210	5.3	0.250	6.4	2.64	67.0	4495	6927	215
3×2/0	329	3	8	0.210	5.3	0.250	6.4	2.73	69.3	5010	7783	246
3×3/0	413	2	8	0.210	5.3	0.265	6.7	2.90	73.7	5995	8922	283
3×4/0	532	1	8	0.210	5.3	0.265	6.7	3.05	77.5	6860	10209	325

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