



Type SHD-GC Three-Conductor Round Portable Power Cable, TPU Jacket 25kV

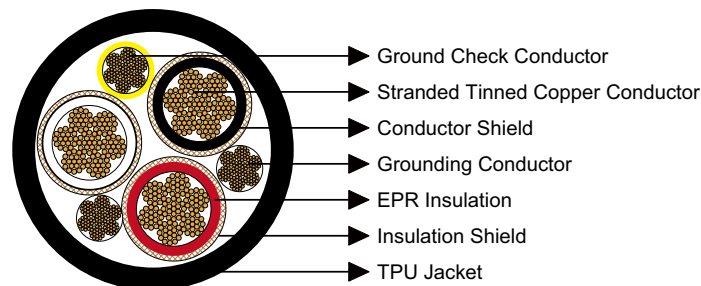
» Applications

These heavy duty cables are designed for heavy mobile equipment such as drag lines, shovels, dredges, drills and for power feeders.

» 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.



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Ground Check Conductor:

Tinned copper conductor with a yellow polypropylene insulation.

Grounding Conductor:

Tinned copper conductor.

Jacket:

Thermoplastic Polyurethane (TPU) Jacket, black.

» Options

- Other jacket materials such as CPE/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: 8×OD

Maximum Conductor 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/kft	kg/km	
3×1	259	5	8	0.260	6.6	0.265	6.7	2.95	74.9	4410	6561	191
3×1/0	266	4	8	0.260	6.6	0.265	6.7	3.05	77.5	4866	7240	218
3×2/0	323	3	8	0.260	6.6	0.280	7.1	3.20	81.3	5560	8272	249
3×3/0	418	2	8	0.260	6.6	0.280	7.1	3.33	84.6	6192	9213	286
3×4/0	532	1	8	0.260	6.6	0.295	7.5	3.50	88.9	7110	10578	327

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