Type SHD-GC Three-Conductor

Round Portable Power Cable, TPU Jacket 15kV

» 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.
**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**

<table>
<thead>
<tr>
<th>Construction</th>
<th>No. of Strands</th>
<th>Grounding Conductor Size</th>
<th>Ground Check Conductor Size</th>
<th>Nominal Insulation Thickness inch</th>
<th>Nominal Jacket Thickness inch</th>
<th>Nominal Overall Diameter inch</th>
<th>Nominal Weight lbs/kft</th>
<th>Ampacity A</th>
</tr>
</thead>
<tbody>
<tr>
<td>3×2</td>
<td>259</td>
<td>AWG/ kcmil</td>
<td>6</td>
<td>8</td>
<td>0.210</td>
<td>0.235</td>
<td>6.0</td>
<td>2.41</td>
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<td>0.235</td>
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<td>3.05</td>
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</tbody>
</table>

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