Type SHD-GC Three-Conductor
Round Portable Power Cable, TPU Jacket 8kV

» **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>Nominal Insulation Thickness</th>
<th>Nominal Jacket Thickness</th>
<th>Nominal Overall Diameter</th>
<th>Nominal Weight</th>
<th>Ampacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
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<tr>
<td>3×4</td>
<td>259</td>
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<td>3.8</td>
<td>0.205</td>
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<td>3.8</td>
<td>0.220</td>
<td>5.6</td>
<td>2.12</td>
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<tr>
<td>3×1</td>
<td>259</td>
<td>0.150</td>
<td>3.8</td>
<td>0.220</td>
<td>5.6</td>
<td>2.21</td>
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<tr>
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<td>0.150</td>
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</table>

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