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

Applications
These heavy duty cables are designed for applications such as longwall shearsers, 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°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</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>No. of cores×AWG/kcmil</td>
<td>AWG/kcmil</td>
<td>AWG/kcmil</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
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<tr>
<td>3×1</td>
<td>259</td>
<td>5</td>
<td>8</td>
<td>0.260</td>
<td>6.6</td>
<td>0.265</td>
<td>6.7</td>
<td>2.95</td>
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<tr>
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<td>259</td>
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<td>8</td>
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<td>0.265</td>
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<td>3.05</td>
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<tr>
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<td>3</td>
<td>8</td>
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<td>7.1</td>
<td>3.20</td>
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<tr>
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<td>0.295</td>
<td>7.5</td>
<td>3.50</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.