Type SHD Three-Conductor Flat
Portable Power Cable 2kV

» **Applications**

These flat parallel cables are designed for use on continuous miners requiring grounding conductors and metallic shielding over each conductor.

» **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.
- **Insulation:** Ethylene Propylene Rubber (EPR).
- **Insulation Shield:** Tinned copper/textile braid.
- **Grounding Conductor:** Tinned copper conductor covered with a conducting extrusion layer.
Jacket:
Reinforced extra-heavy-duty Chlorinated Polyethylene (CPE), black.

» Options ..........................................................................................................................

- Other jacket materials such as 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: 6×OD
Maximum Conductor Operating Temperature: +90℃

» Dimensions and Weight ...............................................................................................  

<table>
<thead>
<tr>
<th>Construction</th>
<th>No. of Strands</th>
<th>Grounding Conductor Size</th>
<th>Nominal Insulation Thickness</th>
<th>Nominal Jacket Thickness</th>
<th>Nominal Overall Diameter Height×Width</th>
<th>Nominal Weight</th>
<th>Ampacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of cores×AWG/kcmil</td>
<td>-</td>
<td>AWG/kcmil</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
</tr>
<tr>
<td>3×2</td>
<td>259</td>
<td>6</td>
<td>0.07</td>
<td>1.8</td>
<td>0.125</td>
<td>3.2</td>
<td>0.94×2.45</td>
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<tr>
<td>3×1</td>
<td>259</td>
<td>5</td>
<td>0.08</td>
<td>2.0</td>
<td>0.140</td>
<td>3.6</td>
<td>1.04×2.64</td>
</tr>
<tr>
<td>3×1/0</td>
<td>259</td>
<td>4</td>
<td>0.08</td>
<td>2.0</td>
<td>0.140</td>
<td>3.6</td>
<td>1.08×2.82</td>
</tr>
<tr>
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<td>3</td>
<td>0.08</td>
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<td>0.155</td>
<td>3.9</td>
<td>1.18×2.99</td>
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<tr>
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<td>2</td>
<td>0.08</td>
<td>2.0</td>
<td>0.155</td>
<td>3.9</td>
<td>1.25×3.29</td>
</tr>
</tbody>
</table>

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