Type MP-GC Three-Conductor
Mine Power Feeder Cable, PVC Jacket, 15kV

» Applications ........................................................................................................................................

These cables are designed for connections between units of mine distribution systems, suitable for installed in duct, conduit or open air and for direct burial in wet and dry locations.

» Standards ..........................................................................................................................................

ICEA S-75-381/NEMA WC 58
ASTM B-8
CAN/CSA-C22.2 No.96

» Construction .....................................................................................................................................

Conductors:
Stranded annealed bare copper conductor.

Conductor Shield:
Conducting layer.

Insulation:
Cross-Linked Polyethylene (XLPE).

Insulation Shield:
Conducting layer + copper tape.

Ground Check Conductor:
Copper conductor with a yellow polypropylene insulation.
Grounding Conductor:
Tinned copper conductor.

Jacket:
Polyvinyl Chloride (PVC), black.

Options .................................................................

- Other jacket materials such as CSP/PCP/NBR/CPE/TPU are available upon request.

Mechanical and Thermal Properties ........................................

Minimum Bending Radius: 12×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>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>
<td>mm</td>
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<tr>
<td>3×2</td>
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<td>7</td>
<td>6</td>
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<td>0.14</td>
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<tr>
<td>3×1</td>
<td>19</td>
<td>5</td>
<td>8</td>
<td>0.175</td>
<td>4.4</td>
<td>0.14</td>
<td>3.6</td>
</tr>
<tr>
<td>3×1/0</td>
<td>19</td>
<td>4</td>
<td>8</td>
<td>0.175</td>
<td>4.4</td>
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<tr>
<td>3×2/0</td>
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<td>3</td>
<td>8</td>
<td>0.175</td>
<td>4.4</td>
<td>0.14</td>
<td>3.6</td>
</tr>
<tr>
<td>3×3/0</td>
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<td>2</td>
<td>8</td>
<td>0.175</td>
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<tr>
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<td>8</td>
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<td>4.3</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.