**CAFE STRUCTURE**

- **Conductor**
  - Solid and stranded annealed copper
  - Sizes 1 mm² up to 16 mm² for phase wires
  - Sizes 1 mm² up to 16 mm² for ground wire

- **Insulation**
  - Polyvinyl chloride (PVC/C)

- **Core identification**
  - 2 Cores + Ground: Blue, Brown and Green/Yellow

- **Sheath**
  - White polyvinyl chloride (PVC/ST4)

**TECHNICAL DATA**

- **Classification**
  - Maximum conductor temperature 70°C
  - Circuit voltage not exceeding 300/500 volts

- **Rated voltage**
  - 300 Volts between Line to Line
  - 500 Volts between Line to Earth

- **Testing voltage**
  - 2,000 Volts

- **Reference standard**
  - TIS 11 Part 101-2553 Table 1

**APPLICATION**

Building wiring for surface or above ceiling wiring or direct embedded in plaster.

<table>
<thead>
<tr>
<th>Number</th>
<th>Nominal cross sectional area</th>
<th>Conductor type</th>
<th>Insulation thickness nominal</th>
<th>Outer sheath thickness nominal</th>
<th>Overall diameter</th>
<th>Conductor resistance at 20°C maximum</th>
<th>Insulation resistance at 70°C minimum</th>
<th>Continuous current rating in free air at 40°C maximum</th>
<th>Cable weight approx. (kg/km)</th>
<th>Standard Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Solid</td>
<td>0.6</td>
<td>0.9</td>
<td>4.0 x 6.2</td>
<td>18.1</td>
<td>0.0110</td>
<td>14</td>
<td>75</td>
<td>100/C</td>
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<tr>
<td>1.5</td>
<td>1.5</td>
<td>Solid</td>
<td>0.7</td>
<td>0.9</td>
<td>4.4 x 7.0</td>
<td>12.1</td>
<td>0.0110</td>
<td>17</td>
<td>100</td>
<td>100/C</td>
</tr>
<tr>
<td>2.5</td>
<td>2.5</td>
<td>Solid</td>
<td>0.8</td>
<td>1.0</td>
<td>5.2 x 8.4</td>
<td>7.41</td>
<td>0.0100</td>
<td>23</td>
<td>150</td>
<td>100/C</td>
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<tr>
<td>4</td>
<td>4</td>
<td>Stranded</td>
<td>0.8</td>
<td>1.1</td>
<td>5.6 x 9.6</td>
<td>4.61</td>
<td>0.0077</td>
<td>32</td>
<td>220</td>
<td>100/C</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>Stranded</td>
<td>0.8</td>
<td>1.1</td>
<td>6.4 x 10.5</td>
<td>3.08</td>
<td>0.0065</td>
<td>41</td>
<td>290</td>
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<td>Stranded</td>
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<td>1.2</td>
<td>7.8 x 13.0</td>
<td>1.83</td>
<td>0.0065</td>
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<td>460</td>
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<tr>
<td>16</td>
<td>16</td>
<td>Stranded</td>
<td>1.0</td>
<td>1.3</td>
<td>9.0 x 15.0</td>
<td>1.15</td>
<td>0.0052</td>
<td>74</td>
<td>650</td>
<td>100/C</td>
</tr>
</tbody>
</table>

C = Packing in coil
D = Packing in drum