JE-H(St)H FE180-E30 Communication Cable

**APPLICATION**
For signal transmission within systems for measuring-, control-, data- and regulation technology and for use as an installation cable in fire hazard rooms with a high concentration of people or material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

**CONSTRUCTION**

- **Conductor**
  Class 1 Solid Tinned Copper

- **Insulation**
  Flame Retardant Non-Corrosive compound HI1

- **Screen**
  Plastic Coated Aluminium Foil

- **Sheath**
  Flame Retardant Non-Corrosive compound HM2

**CABLE STANDARDS**

- VDE 0815, DIN 4102
- Flame Retardant: VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
- Smoke Density: DIN EN 61034/IEC 61034
- Halogen Free: DIN EN 50267/IEC 60754
- Fire Resistant: FE 180
- Circuit Integrity: E30

**CHARACTERISTICS**

- **Operating Voltage**
  225V

- **Temperature Rating**
  Fixed: -5°C to +50°C

- **Minimum Bending Radius**
  Fixed 7.5 x overall diameter

- **Core Identification**
  - Pink
  - Orange
  - Violet
  - Pink
  - Orange

- **Sheath Colour**
  - Orange

**DIMENSIONS**

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTONAL AREA (mm²)</th>
<th>NOMINAL OUTER DIAMETER (mm)</th>
<th>NOMINAL WEIGHT (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B8F02000068OR</td>
<td>2</td>
<td>0.8</td>
<td>7.5</td>
<td>76</td>
</tr>
<tr>
<td>B8F04000080OR</td>
<td>4</td>
<td>0.8</td>
<td>9.3</td>
<td>130</td>
</tr>
<tr>
<td>B8F08000080OR</td>
<td>8</td>
<td>0.8</td>
<td>11.4</td>
<td>232</td>
</tr>
<tr>
<td>B8F12000080OR</td>
<td>12</td>
<td>0.8</td>
<td>13.5</td>
<td>318</td>
</tr>
<tr>
<td>B8F16000080OR</td>
<td>16</td>
<td>0.8</td>
<td>15</td>
<td>430</td>
</tr>
<tr>
<td>B8F20000080OR</td>
<td>20</td>
<td>0.8</td>
<td>16.5</td>
<td>514</td>
</tr>
<tr>
<td>B8F32000080OR</td>
<td>32</td>
<td>0.8</td>
<td>19.5</td>
<td>730</td>
</tr>
<tr>
<td>B8F40000080OR</td>
<td>40</td>
<td>0.8</td>
<td>22.5</td>
<td>962</td>
</tr>
<tr>
<td>B8F52000080OR</td>
<td>52</td>
<td>0.8</td>
<td>25.2</td>
<td>1200</td>
</tr>
</tbody>
</table>

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.