K25 Track Feeder Cables to NF F 55-625

Applications
The cables are designed for fixed power or lighting installations in rail transport.

Standards
- NF F 55-625
- UNE 21123

Construction
- Conductors: Stranded bare copper conductor, 1.5mm² to IEC 60228 class 2.
- Insulation: XLPE.
- Filler & Inner Covering: LSZH.
- Armour: Galvanized steel tapes.
- Outer Sheath: LSZH, antitermite, coloured black.

Electrical Characteristics at 20°C

<table>
<thead>
<tr>
<th>Nominal Conductor Cross Section</th>
<th>mm²</th>
<th>1.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum DC Conductor Resistance</td>
<td>Ω/km</td>
<td>12.2</td>
</tr>
<tr>
<td>Minimum Insulation resistance @500VDC</td>
<td>MΩ.km</td>
<td>1500</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>KV</td>
<td>0.6/1 (0.45/0.75 optional)</td>
</tr>
</tbody>
</table>

Mechanical and Thermal Properties
- Minimum Bending Radius: 10×OD
- Operating Temperatures: -20°C to +60°C (during operation); -10°C to +60°C (during installation)

Core Identification
Colours coding: Black, Light blue, Brown, Green/Yellow, Black
### Dimensions and Weight

<table>
<thead>
<tr>
<th>Cable Code</th>
<th>No. of cores &amp; Nominal Conductor Cross Sectional Area No. x mm²</th>
<th>No. &amp; Nominal Diameter of Strands No/mm</th>
<th>Minimum Overall Diameter mm</th>
<th>Maximum Overall Diameter mm</th>
<th>Nominal Weight kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF/K25-RZ1F3Z1-U(AS)-0.6/1KV-2G1.5</td>
<td>2 x 1.5</td>
<td>7/0.53</td>
<td>8.0</td>
<td>12.0</td>
<td>100</td>
</tr>
<tr>
<td>RF/K25-RZ1F3Z1-U(AS)-0.6/1KV-4G1.5</td>
<td>4 x 1.5</td>
<td>7/0.53</td>
<td>12.5</td>
<td>14.5</td>
<td>300</td>
</tr>
<tr>
<td>RF/K25-RZ1F3Z1-U(AS)-0.6/1KV-12G1.5</td>
<td>12 x 1.5</td>
<td>7/0.53</td>
<td>18.0</td>
<td>20.0</td>
<td>590</td>
</tr>
<tr>
<td>RF/K25-RZ1F3Z1-U(AS)-0.6/1KV-21G1.5</td>
<td>21 x 1.5</td>
<td>7/0.53</td>
<td>22.0</td>
<td>24.0</td>
<td>830</td>
</tr>
</tbody>
</table>

U is changed to K if the stranding class is changed from class 2 to class 5

- **Flame Retardant**
  - NF C32-070-2.1(C2) IEC 60332-1/EN 50265-2-1
- **Fire Retardant**
  - NF C32-070-2.2(C1) IEC 60332-3/EN50266
- **Zero Halogen**
  - IEC 60754-1/NF C20-902 EN 50267-2-1
- **Low Smoke Emission**
  - IEC 6034/NFC20-902 EN 50288/NF C32-073
- **Low Corrosivity**
  - EN 50287-2-2/NF C32-074 IEC 60754-2/NF C20-453
- **Low Toxicity**