FTN Screening Conductor Cables

Applications

The cables are designed to be used for the purpose of screening telecommunication cables from electrical interference.

Standard

- NR/PS/TEL/31102(BR1817)
- BS 6485

Construction

- Conductors: Single core stranded aluminium to BS 215PT1.
- Insulation: PVC type 16 to BS 6485 or LSZH.

Electrical Characteristics at 20°C

<table>
<thead>
<tr>
<th>Nominal Conductor Cross Section</th>
<th>mm²</th>
<th>150</th>
<th>250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum DC Conductor Resistance</td>
<td>Ω/km</td>
<td>0.1825</td>
<td>0.1083</td>
</tr>
</tbody>
</table>

Mechanical and Thermal Properties

- Minimum Bending Radius: 9×OD
- Temperature Range: 0°C to +70°C (during operation); 0°C to +55°C (during installation)

Dimensions and Weight

<table>
<thead>
<tr>
<th>Cable Code</th>
<th>No. of cores &amp; Nominal Conductor Cross Sectional Area No.×mm²</th>
<th>No. &amp; Nominal Diameter of Strands No/mm</th>
<th>Nominal Insulation Thickness mm</th>
<th>Nominal Overall Diameter mm</th>
<th>Nominal Weight kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF31102-H07V-U-450/750V-1G150AL</td>
<td>1×150</td>
<td>19/3.25</td>
<td>1.6</td>
<td>19.45</td>
<td>629</td>
</tr>
<tr>
<td>RF31102-H07V-U-450/750V-1G250AL</td>
<td>1×250</td>
<td>19/4.22</td>
<td>1.6</td>
<td>24.30</td>
<td>995</td>
</tr>
</tbody>
</table>

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

LSZH Sheath

- Flame Retardant: NF C32-070-2.1(C2)
- Fire Retardant: NF C32-070-2.3(C1)
- Zero Halogen: IEC 60754-1/NF C20-454
- Low Smoke Emission: IEC 61034/NF C20-902
- Low Corrosivity: EN 50267-2-2/NF C32-074
- Low Toxicity: IEC 61784-2/NF C20-453

PVC Sheath

- Flame Retardant: NF C32-070-2.1(C2)
- Flame Retardant: IEC 60332-1/EN 50265-2-1