Product Specifications

Part No: 11-XXX-XXX-AXNONF

11-Series Tight Buffer Indoor Riser Distribution Fiber Optic Cable

Cable Cross Section

Aramid Yarn
Tight Buffered Fibers
Jacket

(Representation of a standard 12 fiber construction)

Scope
This document establishes the specification requirements for a distribution indoor all dielectric fiber optic cable. This cable construction consists of a distribution tight-buffer design with a riser rated PVC jacket.

Applications
Indoor in the Riser Space and Tray Installations

Applicable Documents
- TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- UL 1666
- GR-409 CORE
- Compliant with ANSI/TIA-568-C.3 standard

Cable Construction Details
• Tight Buffered Fiber
  Dimension: 900µm, Nominal
• Tight Buffer Color Code:
  As per TIA/EIA-598 standard or per customer requirement
• Cable Strength:
  Aramid yarns are pulled in with tight buffered fibers under the outer sheath.
• Overall Sheath: Riser Rated Polyvinyl Chloride

Continued
### Nominal Cable Dimensions & Weights

<table>
<thead>
<tr>
<th>Remee Products Part Number</th>
<th>Number of Fibers</th>
<th>Cable OD in (mm)</th>
<th>Weight lb/1000ft (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-002-XXX-AXNONF</td>
<td>2</td>
<td>0.170(4.3)</td>
<td>11 (16)</td>
</tr>
<tr>
<td>11-004-XXX-AXNONF</td>
<td>4</td>
<td>0.185 (4.7)</td>
<td>13 (19)</td>
</tr>
<tr>
<td>11-006-XXX-AXNONF</td>
<td>6</td>
<td>0.200 (5.1)</td>
<td>16 (24)</td>
</tr>
<tr>
<td>11-008-XXX-AXNONF</td>
<td>8</td>
<td>0.210 (5.3)</td>
<td>18 (27)</td>
</tr>
<tr>
<td>11-012-XXX-AXNONF</td>
<td>12</td>
<td>0.250 (6.4)</td>
<td>23 (34)</td>
</tr>
<tr>
<td>11-024-XXX-AXNONF-T</td>
<td>24</td>
<td>0.319 (8.1)</td>
<td>37 (55)</td>
</tr>
</tbody>
</table>

*Cables printed in meters will have a “-MR” suffix on the part number.

### Jacket Color

<table>
<thead>
<tr>
<th>Designation</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Black</td>
</tr>
<tr>
<td>Y</td>
<td>Yellow</td>
</tr>
<tr>
<td>Z</td>
<td>Orange</td>
</tr>
<tr>
<td>A</td>
<td>Aqua</td>
</tr>
<tr>
<td>M</td>
<td>Violet</td>
</tr>
</tbody>
</table>

### Fiber Type (P/N) Specifications

<table>
<thead>
<tr>
<th>Fiber Type (P/N)</th>
<th>Maximum Attenuation dB/km</th>
<th>Overfill Launch Min Bandwidth ( MHz-km)</th>
<th>EMFb (MHz-km)</th>
<th>Gigabit Ethernet Minimum Link Distance (Meters)</th>
<th>10 Gigabit Ethernet Minimum Link Distance (Meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>850 nm</td>
<td>1300 nm</td>
<td>1310 nm</td>
<td>1550 nm</td>
<td>850 nm</td>
</tr>
<tr>
<td>62.5µm OM1 1GIG (22J)</td>
<td>3.2</td>
<td>1.0</td>
<td>N/A</td>
<td>N/A</td>
<td>200</td>
</tr>
<tr>
<td>50µm OM2 10GIG (12D)</td>
<td>3.0</td>
<td>1.0</td>
<td>N/A</td>
<td>N/A</td>
<td>750</td>
</tr>
<tr>
<td>50µm OM3 10GIG (12N)</td>
<td>3.0</td>
<td>1.0</td>
<td>N/A</td>
<td>N/A</td>
<td>1500</td>
</tr>
<tr>
<td>50µm OM4 10GIG (12V)</td>
<td>3.0</td>
<td>1.0</td>
<td>N/A</td>
<td>N/A</td>
<td>3500</td>
</tr>
<tr>
<td>SM OS2 G.652.D (76K)</td>
<td>N/A</td>
<td>N/A</td>
<td>0.40</td>
<td>0.30</td>
<td>N/A</td>
</tr>
<tr>
<td>SM OS2 G.652.D (74K)</td>
<td>N/A</td>
<td>N/A</td>
<td>0.35</td>
<td>0.25</td>
<td>N/A</td>
</tr>
<tr>
<td>SM OS2 G.652.D/G.657.A1 BIF (76U)*</td>
<td>N/A</td>
<td>N/A</td>
<td>0.40</td>
<td>0.30</td>
<td>N/A</td>
</tr>
<tr>
<td>SM OS2 G.652.D/G.657.A2, B2 BIF (76F)**</td>
<td>N/A</td>
<td>N/A</td>
<td>0.40</td>
<td>0.30</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* G.657.A1 (76U) Mandrel Radius of 10mm, 1 turn at 1550nm with an induced attenuation of ≤0.50dB
** G.657.A2, B2 (76F) Mandrel Radius of 7.5mm, 1 turn at 1550nm with an induced attenuation of ≤0.40dB

Please call the factory for all other fiber types.

Continued
Mechanical & Environmental Performance

• Maximum Tensile Load
  Installation: 2&4 fiber-1405N / 315lbf
  6&8 fiber-1610N/362lbf
  12 &24 fiber-2700N/600lbf
  Long Term: 2&4 fiber-455N / 102lbf
  6&8 fiber-535N/120lbf
  12 &24 fiber-600N/135lbf

• Minimum Bending Radius
  Loaded: 20 x Diameter
  Unloaded: 10 x Diameter

• Crush Resistance
  100 N/cm

• Impact Resistance (min.)
  25 Impacts

• Flexing ± 90° (min.)
  25 Cycles

• Temperature Rating
  Operation: -40°C to +85°C
  Installation: 0°C to +75°C
  Storage: -55°C to +85°C

Warranty Information
All warranty information can be viewed at www.remee.com.
This product is RoHS compliant and is directive 2002/95/EC. It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.

Preparation for Shipment
The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

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Spec Approval (Custom Designs Only)
Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order: this item may be non-cancelable and non-returnable.

Signature: ___________________ Date: ___________________