48 Tight Buffered, Aluminum Interlocking Armored Cable Riser

Features and Benefits

• Provides superior crush resistance for added protection
• Eliminates the need for inner duct or conduit thus saving installation time
• OFCR(Riser) rating allow AIA products to be installed throughout the facility

Description

TLC Tight Buffered Aluminum Interlocking Armored cable consists of PVC overall jacket, PVC inner jacket with 48 tight buffered fiber surrounded by yarn acting as a strength member.

The core is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance. These cables are available in OFCR rated constructions.

Application

Riser
Duct

Flame Rating

UL1666
# Specifications

## Mechanical Characteristics

<table>
<thead>
<tr>
<th>Item</th>
<th>Standards/ Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Outer Diameter (mm)</td>
<td>25.4</td>
</tr>
<tr>
<td>Bend Radius (cm)</td>
<td>50.8</td>
</tr>
<tr>
<td>Weight (lbs/ km)</td>
<td>910</td>
</tr>
</tbody>
</table>

## Optical Characteristics

<table>
<thead>
<tr>
<th>Item</th>
<th>Single Mode</th>
<th>InfiniCor 300</th>
<th>OM2</th>
<th>OM3</th>
<th>OM4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Size</td>
<td>9 um</td>
<td>62.5 um</td>
<td>50 um</td>
<td>50 um</td>
<td>50 um</td>
</tr>
<tr>
<td>Wavelength</td>
<td>(1310/ 1550) nm</td>
<td>(850/ 1300) nm</td>
<td>(850/ 1300) nm</td>
<td>(850/ 1300) nm</td>
<td>(850/ 1300) nm</td>
</tr>
<tr>
<td>Max. Attenuation</td>
<td>(0.5/ 0.4) dB/ km</td>
<td>(3.5/ 1.5) dB/ km</td>
<td>(3.5/ 1.5) dB/ km</td>
<td>(3.5/ 1.5) dB/ km</td>
<td>(3.5/ 1.5) dB/ km</td>
</tr>
<tr>
<td>Bandwidth (EMB)</td>
<td>–</td>
<td>220 MHz @850nm</td>
<td>850 MHz @850nm</td>
<td>2000 MHz @850nm</td>
<td>4700 MHz @850nm</td>
</tr>
<tr>
<td>Link Length (10Gb/ s)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

## Part Numbers

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Single Mode</th>
<th>InfiniCor 300</th>
<th>OM2</th>
<th>OM3</th>
<th>OM4</th>
</tr>
</thead>
<tbody>
<tr>
<td>48</td>
<td>809DI/1048**NRY-Y-AIA</td>
<td>M50DI/1048**NRO-O-AIA</td>
<td>M50DI/1048**NR-O-AIA</td>
<td>M50DI/1048**NRA-A-AIA</td>
<td>M50DI/1048**NRA-AIA</td>
</tr>
</tbody>
</table>

## Fiber Type

- **Fiber Type (9/125)**
  - SMF-28 Ultra: CZ
  - SMF28e+: C
  - ClearCurve XB: CB
  - ClearCurve LBL: C7
  - ClearCurve ZBL: CC

- **Fiber Type (50/125)**
  - ClearCurve OM2: C2
  - Clear Curve OM3: CG
  - ClearCurve OM4: C4

- **Fiber Type (62.5/125)**
  - InfiniCor 300: C3
  - InfiniCor 1000: C1

Specifications are subject to change without notice.

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