48-72 Fiber Distribution Cable, Riser

Features and Benefits
- 900µm Tight Buffers
- Aramid yarn strength members
- OFNR rated construction
- Exclusive use of Corning® optical fibers
- Jacket print ensures product identification and fiber compatibility
- Buffers strip consistently between 3.5 – 5 lbs-f, helpful for onsite termination
- Durable jacket offers added protection during installation and in rugged use applications

Description
The Light Connection Distribution Cable is composed of four to six sub-units, aramid yarn, and a PVC outer jacket. Each sub-unit consists of 12 colored tight buffer, aramid yarn and a 5.8mm PVC jacket. All component materials meet the EU RoHS and REACH Directive standards.

TLC Distribution Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNR cables are available, and unlisted, unrated cables can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print can also be accommodated.

Application
Riser

Flame Rating
UL1666
### Specifications

#### Temperature Range
- **Storage Temperature**: -40 C to +70 C
- **Operating Temperature**: -20 C to +70 C

#### Cable Characteristics
- **Fiber Count**: 48-72
- **Outer Jacket Material**: Flame Retardant PVC
- **Sub Unit Material**: Flame Retardant PVC
- **Strength Member**: Aramid Yarn
- **Central Strength Member**: Fiber Reinforced Rod
- **Tight Buffer Material**: Flame Retardant PVC

#### Physical Characteristics
<table>
<thead>
<tr>
<th>Items</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Outer Diameter (mm) 48, 72</td>
<td>15.40/20</td>
</tr>
<tr>
<td>Weight (lbs/ km) 48, 72</td>
<td>410/695</td>
</tr>
<tr>
<td>Minimum Bend Radius, Installation (cm) 48, 72</td>
<td>23.10/30</td>
</tr>
<tr>
<td>Minimum Bend Radius, Operation (cm) 48, 72</td>
<td>15.40/20</td>
</tr>
</tbody>
</table>

#### Optical Characteristics

<table>
<thead>
<tr>
<th>Items</th>
<th>Single Mode</th>
<th>OM1</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) (High Performance)</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>150 mtr</td>
<td>300 mtr</td>
<td>550 mtr</td>
</tr>
</tbody>
</table>

#### Part Numbers

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Single Mode</th>
<th>OM1</th>
<th>OM2</th>
<th>OM3</th>
<th>OM4</th>
</tr>
</thead>
<tbody>
<tr>
<td>48</td>
<td>S09D148**NRY-Y</td>
<td>M62D148**NRO-O</td>
<td>M50D148**NRA-A</td>
<td>M50D148**NRA-A</td>
<td>M50D148**NRA-A</td>
</tr>
<tr>
<td>72</td>
<td>S09D172**NRY-Y</td>
<td>M62D172**NRO-O</td>
<td>M50D172**NRA-A</td>
<td>M50D172**NRA-A</td>
<td>M50D172**NRA-A</td>
</tr>
</tbody>
</table>

#### 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