2-24 Fiber Indoor- Outdoor Cable, Riser

Features and Benefits
- 900µm Tight Buffers
- Water blocking aramid yarn strength members
- UV resistant jacket, OFNR rated construction
- Exclusive use of Corning® optical fibers
- Jacket print ensures product identification and fiber compatibility
- Durable jacket offers added protection during installation and in rugged use applications

Description
The Light Connection, Inc. Indoor/ Outdoor Cable is composed of 2 to 24 colored tight buffered optical fibers, water blocking aramid yarn, and a UV resistant black PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

TLC Indoor/ Outdoor Cable is available in carbon black or special order colors (including 12 TIA standard colors). UL Listed OFNR cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may also be accommodated.

Application
- Riser
- Duct
- Indoor/Outdoor

Flame Rating
- UL1666
- UL1685 (FT4)
## Specifications

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

### Cable Characteristics
- **Fiber Count**: 2, 4, 6, 8, 12, 24
- **Outer Jacket Material**: Flame Retardant PVC
- **Outer Jacket Color**: Carbon Black
- **Strength Member**: Aramid Yarn
- **Tight Buffer Material**: Flame Retardant PVC
- **Tight Buffer Color**: Available in 12 TIA/ EIA color standard

### Physical Characteristics
- **Nominal Outer Diameter (mm)**: 4.4/ 4.4/ 4.8/ 5.8/ 5.8/ 7.8
- **Weight (lbs/ km)**: 36/ 43/ 51/ 70/ 74/ 115
- **Minimum Bend Radius, Installation (cm)**: 6.6/ 6.6/ 7.2/ 8.7/ 8.7/ 11.7
- **Minimum Bend Radius, Operation (cm)**: 4.4/ 4.4/ 4.8/ 5.8/ 5.8/ 7.8

### Optical Characteristics

<table>
<thead>
<tr>
<th>Items</th>
<th>Single Mode</th>
<th>OM1</th>
<th>OM2</th>
<th>OM3</th>
<th>OM4 (OM4+)</th>
<th>OM5 (WB MMF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Size [μm]</td>
<td>9</td>
<td>62.5</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Wavelength [nm]</td>
<td>1310/1550</td>
<td>850/1300</td>
<td>850/1300</td>
<td>850/1300</td>
<td>850/1300</td>
<td>850/1300</td>
</tr>
<tr>
<td>Max. Attenuation [dB/km]</td>
<td>0.5/0.4</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
</tr>
<tr>
<td>Link Length [m]</td>
<td>10,000/5,000</td>
<td>300 (10Gb/s@850nm)</td>
<td>150 (10Gb/s@850nm)</td>
<td>300 (10Gb/s@850nm)</td>
<td>550 (600) (10Gb/s@850nm)</td>
<td>550 (10Gb/s@850nm)</td>
</tr>
<tr>
<td>Bandwidth (EMB High Performance) [MHz.km]</td>
<td>–</td>
<td>220@850</td>
<td>750@850</td>
<td>2,000@850</td>
<td>4,700@850</td>
<td>4,700@850</td>
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### Part Numbers

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Fiber Type (9/125)</th>
<th>Fiber Type (50/125)</th>
<th>Fiber Type (62.5/125)</th>
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<tbody>
<tr>
<td>2</td>
<td><strong>SMF-28 Ultra</strong></td>
<td><strong>ClearCurve OM2</strong></td>
<td><strong>InfiniCor 300</strong></td>
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<tr>
<td>4</td>
<td><strong>ClearCurve LBL</strong></td>
<td><strong>ClearCurve OM3</strong></td>
<td><strong>C2</strong></td>
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<tr>
<td>6</td>
<td><strong>ClearCurve ZBL</strong></td>
<td><strong>ClearCurve OM4</strong></td>
<td><strong>C3</strong></td>
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<td>8</td>
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<td><strong>ClearCurve OM5</strong></td>
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<tr>
<td>12</td>
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<tr>
<td>24</td>
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Specifications are subject to change without notice.