CommScope's family of cost-effective fiber-optic micro cables is designed for installations air blown into microducts. Microduct technology provides a cost-effective, craft-friendly way to upgrade your network, which can grow on demand by deploying fiber as needed. This technology is also common in congested areas, such as metro applications, where duct space is very limited. These cable designs are compact and lightweight, and contain high fiber density to maximize the fiber count available in a small cable diameter.

The stranded loose tube design is available in counts up to 144 with outer diameters varying from 5.5 mm—9.1 mm. Stranded loose tube cable provides easy, mid-span access.

### Features and benefits
- Designed for air-blown, microduct applications
- Small, cost-effective, lightweight cable designs containing maximized fiber capacity
- Qualified under the IEC 60794

#### Singlemode cable type
- **1** B Blown micro cable

#### Fiber count
- **2** XXX Fiber count

#### Cable construction
- **3** LN Loose tube, all-dielectric

#### Fiber type
- **4** 8W G.652.D and G.657.A1 singlemode

#### Cable marking
- **5** M Sequentially marked in meters
- **5** F Sequentially marked in feet

#### Number of fibers per subunit
- **6** 12 12 fibers per subunit

#### Tracer type
- **7** NS No-stripe
Air-blown micro cable specifications

### PHYSICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PRODUCT TYPE/FIBER COUNT</th>
<th>CATALOG NUMBER</th>
<th>CABLE OUTER DIAMETER (MM/IN)</th>
<th>SUBUNITS</th>
<th>MAXIMUM VERTICAL RISE (M/FT)</th>
<th>MAXIMUM BEND RADIUS</th>
<th>MAXIMUM TENSILE LOAD</th>
<th>WEIGHT (KG/CM) (LBS/KFT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2–60 Fibers</td>
<td>B-XXX-LN-XY-FZZNS/16G</td>
<td>5.5 0.21</td>
<td>5</td>
<td>493 1.619</td>
<td>8.2 3.2</td>
<td>5.5 2.1</td>
<td>324 73 97.2 22</td>
</tr>
<tr>
<td>62–72 Fibers</td>
<td>B-XXX-LN-XY-FZZNS/16G</td>
<td>6.0 0.23</td>
<td>6</td>
<td>729 2.390</td>
<td>8.9 3.5</td>
<td>6.8 2.7</td>
<td>600 135 180 40</td>
</tr>
<tr>
<td>74–96 Fibers</td>
<td>B-XXX-LN-XY-FZZNS/16G</td>
<td>7.0 0.28</td>
<td>8</td>
<td>1,185 3.886</td>
<td>11.0 4.3</td>
<td>11.0 4.3</td>
<td>1490 335 447 100</td>
</tr>
<tr>
<td>98–120 Fibers</td>
<td>B-XXX-LN-XY-FZZNS/16G</td>
<td>8.1 0.32</td>
<td>10</td>
<td>930 3.050</td>
<td>12.1 4.8</td>
<td>11.0 4.3</td>
<td>1512 340 453.6 102</td>
</tr>
<tr>
<td>122–144 Fibers</td>
<td>B-XXX-LN-XY-FZZNS/16G</td>
<td>9.1 0.36</td>
<td>12</td>
<td>772 2.531</td>
<td>13.7 5.4</td>
<td>11.0 4.3</td>
<td>1566 352 469.8 106</td>
</tr>
</tbody>
</table>

Variables in the catalog number:

- **XXX**: Total fiber count
- **ZZ**: Number of fibers per tube

Buffer tubes/fiber identification colors: 1/Blue, 2/Orange, 3/Green, 4/Brown, 5/Slate, 6/White, 7/Red, 8/Black, 9/Yellow, 10/Violet, 11/Rose, 12/Aqua

### Stranded loose tube all-dielectric (72-fiber cable shown)

- HDPE outer jacket
- Aramid strength members
- Water-swellable yarn
- Binder
- Gel-filled buffer tubes
- 250-micron fibers
- Dielectric strength member
- Ripcord

Drawings not to scale

Specifications subject to change without notice.

### Mechanical test specifications

<table>
<thead>
<tr>
<th>Test</th>
<th>Requirement</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression</td>
<td>10N/MM; 57 lbf/in.</td>
<td>IEC 60794-1-2-E3</td>
</tr>
<tr>
<td>Flex</td>
<td>25 cycles</td>
<td>IEC 60794-1-2-E6</td>
</tr>
<tr>
<td>Twist</td>
<td>10 cycles</td>
<td>IEC 60794-1-2-E7</td>
</tr>
<tr>
<td>Strain</td>
<td>See long &amp; short tensile loads</td>
<td>IEC 60794-1-2-E1A and E1B</td>
</tr>
<tr>
<td>Water penetration</td>
<td>24 hours</td>
<td>IEC 60794-1-2-F5</td>
</tr>
</tbody>
</table>

CommScope optical cables are qualified under the general guidelines to the following specifications: IEC 60794

### Environmental specifications

- **Installation temperature**: -15° to 40°C
- **Operating temperature**: -30° to +70°C
- **Storage temperature**: -40° to +70°C

Specifications subject to change without notice.
Everyone communicates. It's the essence of the human experience. How we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion. Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth, expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers—we provide the essential expertise and vital infrastructure your business needs to succeed. The world's most advanced networks rely on CommScope connectivity.