Corning MiniXtend® Cable with Binderless* FastAccess® Technology is an all-dielectric loose tube cable designed for microduct applications and features industry-leading fiber density. The innovative Binderless FastAccess Technology improves cable handling and reduces access time up to 70 percent while lowering risk of cable and fiber damage. The MiniXtend Cable design reduces the cable diameter by up to 50 percent (versus traditional loose tube cables) which improves fiber density for duct applications and also enables new applications which can reduce total install cost by up to 60 percent. This cable also features Corning SMF-28® Ultra single-mode fiber which combines industry-leading attenuation and improved macrobend performance in one fiber. SMF-28 Ultra fiber is ITU-T Recommendation G.652.D compliant and also exceeds the requirements of the ITU-T Recommendation G.657.A1 standard.

* Corning’s patented Binderless* FastAccess® Technology refers to the combination of a Corning FastAccess Technology jacket with an innovative technology used to bind cable construction through the manufacturing process, eliminating the use of binder yarns and waterblocking tapes.
Standards

Common Installations
Outdoor microduct; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design and Test Criteria
IEC 60794-5-10

Corning Recommendation
This cable should be placed in microduct for all applications, including aerial.

Specifications

| Temperature Range |  
|-------------------|---
| **Storage**       | -40 °C to 70 °C (-40 °F to 158 °F) |
| **Installation**  | -15 °C to 60 °C (5 °F to 140 °F)   |
| **Operation**     | -40 °C to 70 °C (-40 °F to 158 °F) |

*Installation Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.*
### MiniXtend® Cable with Binderless* FastAccess® Technology

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Fibers per Tube</th>
<th>Number of Tube Positions</th>
<th>Number of Active Tubes</th>
<th>Nominal Outer Diameter</th>
<th>Weight</th>
<th>Max. Tensile Strength, Short-Term</th>
<th>Min. Bend Radius Installation</th>
<th>Min. Bend Radius Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 - 72</td>
<td>12</td>
<td>6</td>
<td>1 - 6</td>
<td>5.4 mm (0.21 in)</td>
<td>23 kg/km (15 lb/1000 ft)</td>
<td>890 N (200 lbf)</td>
<td>108 mm (4.3 in)</td>
<td>82 mm (3.2 in)</td>
</tr>
<tr>
<td>96</td>
<td>12</td>
<td>8</td>
<td>8</td>
<td>6.3 mm (0.25 in)</td>
<td>36 kg/km (24 lb/1000 ft)</td>
<td>1334 N (300 lbf)</td>
<td>126 mm (5 in)</td>
<td>95 mm (3.7 in)</td>
</tr>
<tr>
<td>144</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>8.1 mm (0.32 in)</td>
<td>56 kg/km (38 lb/1000 ft)</td>
<td>1334 N (300 lbf)</td>
<td>162 mm (6.4 in)</td>
<td>122 mm (4.8 in)</td>
</tr>
</tbody>
</table>

* Note: Actual nominal outer diameter of cable may vary ± 0.3 mm.

### Chemical Characteristics

**RoHS**
Free of hazardous substances according to RoHS 2011/65/EU

### Transmission Performance

<table>
<thead>
<tr>
<th>Single-mode</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fiber Name</strong></td>
</tr>
<tr>
<td><strong>Fiber Category</strong></td>
</tr>
<tr>
<td><strong>Fiber Code</strong></td>
</tr>
<tr>
<td><strong>Performance Option Code</strong></td>
</tr>
<tr>
<td><strong>Wavelengths (nm)</strong></td>
</tr>
<tr>
<td><strong>Maximum Attenuation (dB/km)</strong></td>
</tr>
<tr>
<td><strong>Typical Attenuation (dB/km)</strong></td>
</tr>
</tbody>
</table>
**MiniXtend® Cable with Binderless* FastAccess® Technology**

**Ordering Information**

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z</td>
<td>M</td>
<td>4</td>
<td>T</td>
<td>F</td>
<td>2</td>
<td>2</td>
<td>A</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

1. Select fiber count.
   - Standard offerings: 012-144 (Increments of 12)

2. Defines fiber code.

3. Defines cable type.
   - M = MiniXtend® cable

4. Defines outer jacket.
   - 4 = Dielectric

5. Defines fiber placement.
   - T = 12 fibers/buffer tube (standard)

6. Select length markings.
   - 3 = Markings in meters
   - 4 = Markings in feet (standard)

7. Defines special jacket feature.
   - F = Binderless* FastAccess® Technology

8. Defines performance option code.
   - 22 = Single-mode (OS2)
     - Max. attenuation 0.34/0.34/0.22 dB/km

   - A = Gel-filled buffer tubes

10. Defines special manufacturing code.
    - 20 = No special requirements

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**MiniXtend® Accessory Tools**

- Jacket access: Ideal® tool 45-165
- Buffer tube end access: 02-046470
- Buffer tube mid-span access: OFAT-003

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