Features and Benefits

- Precision preangled zirconia ferrules
- Low back reflection
- Various adapter cutouts
- Connectors available with either 2 mm, 3 mm, or 900 µm cable boot

Standards

<table>
<thead>
<tr>
<th>Standards</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS</td>
<td>Free of hazardous substances according to RoHS 2011/65/EU</td>
</tr>
<tr>
<td>Design and Test Criteria</td>
<td>Product is qualified to Telcordia GR-326-CORE</td>
</tr>
<tr>
<td></td>
<td>TAA compliant</td>
</tr>
</tbody>
</table>

Corning manufactures an extensive line of high-performance APC fiber connectors and adapters. The APC line of products offer top performance and high repeatability. Corning’s 8-degree APC connectors are fully intermateable with standard NTT APC products and deliver long-term stability under a range of applications and conditions. These connectors utilize tightly tolerated, preangled zirconia ferrules to ensure consistently low loss. Our APC connectors feature a proprietary, NOD spacer element for greater reliability and superior ease of assembly. We also provide an APC adapter family to support APC termination.
Specifications – APC Adapter/740 Series

<table>
<thead>
<tr>
<th>Parameters</th>
<th>FC APS</th>
<th>LC APC</th>
<th>SC APC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss</td>
<td>0.1 dB typical</td>
<td>0.1 dB typical</td>
<td>0.1 dB typical</td>
</tr>
<tr>
<td></td>
<td>0.3 dB maximum</td>
<td>0.3 dB maximum</td>
<td>0.3 dB maximum</td>
</tr>
<tr>
<td>Back Reflection</td>
<td>-65 dB typical</td>
<td>-70 dB typical</td>
<td>-65 dB typical</td>
</tr>
<tr>
<td></td>
<td>-60 dB maximum</td>
<td>-65 dB maximum</td>
<td>-60 dB maximum</td>
</tr>
<tr>
<td>Connector Durability</td>
<td>500 matings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connector Repeatability</td>
<td></td>
<td>ΔIL&lt; 0.1 dB</td>
<td></td>
</tr>
<tr>
<td>Temperature Cycling</td>
<td>ΔIL&lt; 0.1 dB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vibration</td>
<td></td>
<td>ΔIL&lt; 0.1 dB</td>
<td></td>
</tr>
<tr>
<td>Cable Retention</td>
<td></td>
<td>&gt; 15 lb</td>
<td></td>
</tr>
<tr>
<td>Ferrule Face Angle</td>
<td>8° ± 0.3°e</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Key Orientation</td>
<td>Angle point 90° locating key</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Environment</td>
<td></td>
<td>-40°C to +85°C</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Zirconia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector Durability</td>
<td>500 matings</td>
</tr>
<tr>
<td>Connector Repeatability</td>
<td>ΔIL&lt; 0.1 dB</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.1 dB</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +85°C</td>
</tr>
</tbody>
</table>

Ordering Information

**LC APC Connector/721 Series**

7 2 1 - 0 - 3 3 8 0 B

1. Select ferrule type.
   4: APC 125 µm preangled
   5: APC 126 µm preangled

2. Select body type.
   1: Simplex
   2: Duplex
   3: Simplex w/clip
   4: Duplex Slimpac™

3. Select boot type.
   1: 900 µm boot
   2: 2 mm ribbed boot
   3: 3 mm ribbed boot
   6: 2.4 mm ribbed boot
   Other: Custom

Color Chart

0: Translucent (Cap Only)
1: Black
2: Yellow
3: Green
4: Red
5: Blue
6: Orange
7: Beige
8: White

Notes:

- All parts are sold in units of 100
- Refer to color chart for additional nonstandard boot and housing colors
- Nonstandard color lead time may be longer

1 Only available for 3 mm and 2.4 mm boot
2 Only available for duplex Slimpac
**APC Connectors and Adapters**

**FC APC Connector/722 Series**

- **Part Number:** 722-10030B
  - **Select ferrule type.**
    - 7: APC 125 µm
    - 8: APC 126 µm
  - **Select boot type.**
    - 1: 900 µm boot
    - 2: 2 mm ribbed boot
    - 3: 2 mm rubber boot
    - 4: 3 mm ribbed boot
    - 5: 3 mm rubber boot
    - Other: Custom
  - **Color Chart**
    - 0: Translucent (Cap Only)
    - 1: Black
    - 2: Yellow
    - 3: Green
    - 4: Red
    - 5: Blue
    - 6: Orange
    - 7: Beige
    - 8: White

**SC APC Connector/728 Series**

- **Part Number:** 728-10030B
  - **Select ferrule type.**
    - 7: APC 125 µm
    - 8: APC 126 µm
  - **Select body type.**
    - 1: Simplex one-piece
    - 2: Duplex one housing
    - 4: Duplex with clip
  - **Select boot type.**
    - 1: 900 µm boot
    - 2: 2 mm ribbed boot
    - 3: 2 mm rubber boot
    - 4: 3 mm ribbed boot
    - 5: 3 mm rubber boot
    - Other: Custom
  - **Color Chart**
    - 0: Translucent (Cap Only)
    - 1: Black
    - 2: Yellow
    - 3: Green
    - 4: Red
    - 5: Blue
    - 6: Orange
    - 7: Beige
    - 8: White

*These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or oemsales@corning.com and visit www.corning.com/opcomm/oem for sales support.*