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, pre-angled Zirconia ferrules to ensure consistently low loss. Our APC connectors feature a patented, NOD spacer element for greater reliability and superior ease of assembly. We also provide an APC adapter family to support APC termination.

Features and Benefits

- Precision Pre-angled Zirconia Ferrules
- Low Back Reflection
- Various Adapter Cutouts
- Connectors Available with Either 2 mm, 3mm, or 900 μm
- Cable Boot

Standards

<table>
<thead>
<tr>
<th>RoHS</th>
<th>Free of hazardous substances according to RoHS2011/65/EU</th>
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</thead>
<tbody>
<tr>
<td>Design and Test Criteria</td>
<td>Product is qualified to Telcordia GR-326-CORE</td>
</tr>
<tr>
<td>TAA Compliant</td>
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</table>
**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>
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<tr>
<td></td>
<td>0.3 dB Maximum</td>
<td>0.3 dB Maximum</td>
<td>0.3 dB Maximum</td>
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<tr>
<td>Back Reflection</td>
<td>-65 dB Typical</td>
<td>-70 dB Typical</td>
<td>-65 dB Typical</td>
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<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>
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<td></td>
</tr>
<tr>
<td>Connector Repeatability</td>
<td>ΔηIL&lt; 0.1 dB</td>
<td></td>
<td></td>
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<tr>
<td>Temperature Cycling</td>
<td>ΔηIL&lt; 0.1 dB</td>
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<td></td>
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<tr>
<td>Vibration</td>
<td>ΔηIL&lt; 0.1 dB</td>
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<td></td>
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<tr>
<td>Cable Retention</td>
<td>&gt; 15 lb</td>
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<td></td>
</tr>
<tr>
<td>Ferrule Face Angle</td>
<td></td>
<td>8 degrees ± 0.3 degrees</td>
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</tr>
<tr>
<td>Key Orientation</td>
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<td>Angle Point 90 degrees</td>
<td>Locating Key</td>
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<tr>
<td>Operating Environment</td>
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<td>-40°C to +85°C</td>
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**Parameters – Zirconia**

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Zirconia</th>
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<tbody>
<tr>
<td>Connector Durability</td>
<td>500 Matings</td>
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<tr>
<td>Connector Repeatability</td>
<td>ΔηIL&lt; 0.1 dB</td>
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<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**

121000B3380

1. Select Ferrule Type
   - 4: APC 125 µm Pre-angled
   - 5: APC 126 µm Pre-angled

2. Select Body Type
   - 1: Simplex
   - 2: Duplex
   - 3: Simplex w/Clip
   - 4: Duplex Slimpack

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

4. Select Boot Type
   - Only available for 3 mm and 2.4 mm boot

5. Only available for Duplex Slimpack

**Notes:**

All parts are sold in units of 100

Refer to color chart for additional non-standard boot and housing colors

Non-standard color lead time may be longer.
APC Connectors and Adapters

FC/APC Connector / 722 Series

```
7 2 2 - 0 - 0 3 3 0 B
```

1. Select Ferrule Type
   - 7: APC 125 µm
   - 8: APC 126 µm

2. Select Body Type
   - 1: Fixed Key One Piece

3. 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.

RoHS Compliant

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