

APC Connectors and Adapters

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Features and Benefits

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

Standards

| | |
|---------------------------------|--|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
| Design and Test Criteria | Product is qualified to Telcordia GR-326-CORE TAA compliant |

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 toleranced, 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.



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Specifications – APC Adapter/740 Series

| Parameters | FC APS | LC APC | SC APC |
|-------------------------|-------------------------------------|----------------|----------------|
| Insertion Loss | 0.1 dB typical | 0.1 dB typical | 0.1 dB typical |
| | 0.3 dB maximum | 0.3 dB maximum | 0.3 dB maximum |
| Back Reflection | -65 dB typical | -70 dB typical | -65 dB typical |
| | -60 dB maximum | -65 dB maximum | -60 dB maximum |
| Connector Durability | 500 matings | | |
| Connector Repeatability | Δ IL < 0.1 dB | | |
| Temperature Cycling | Δ IL < 0.1 dB | | |
| Vibration | Δ IL < 0.1 dB | | |
| Cable Retention | > 15 lb | | |
| Ferrule Face Angle | $8^\circ \pm 0.3^\circ$ | | |
| Key Orientation | Angle point 90° locating key | | |
| Operating Environment | -40°C to +85°C | | |

| Parameters | Zirconia |
|-------------------------|----------------------|
| Connector Durability | 500 matings |
| Connector Repeatability | Δ IL < 0.1 dB |
| Insertion Loss | 0.1 dB |
| Operating Temperature | -40°C to +85°C |

Ordering Information

LC APC Connector/721 Series

7 2 1 - □ □ □ 0 - 3 3 8 0 B
1 2 3

1 Select ferrule type.

- 4: APC 125 μ m preangled
- 5: APC 126 μ m preangled

2 Select body type.

- 1: Simplex
- 2: Duplex
- 3: Simplex w/clip
- 4: Duplex Slimpac™¹

3 Select boot type.

- 1: 900 μ m boot
- 2: 2 mm ribbed boot
- 3: 3 mm ribbed boot
- 6: 2.4 mm ribbed boot²
- Other: Custom

Color Chart

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

¹ Only available for 3 mm and 2.4 mm boot

² Only available for duplex Slimpac

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

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FC APC Connector/722 Series

7 2 2 - 1 1 2 0 - 0 3 3 0 B

1 Select ferrule type.

- 7: APC 125 μm
- 8: APC 126 μm

2 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

7 2 8 - 1 2 3 0 - 0 3 3 0 B

1 Select ferrule type.

- 7: APC 125 μm
- 8: APC 126 μm

2 Select body type.

- 1: Simplex one-piece
- 2: Duplex one housing
- 4: Duplex with clip

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 omsales@corning.com and visit www.corning.com/opcomm/oem for sales support.



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