

FC – PC Connectors and Adapters

CORNING

Features and Benefits

Fixed and Removable Key Type Connector Available

Various Options: Boot Color and Boot Type

Patented NOD Spacer Element Connector Design

Precision Pre-radiused Zirconia Connector Ferrules

Standards

RoHS	Free of hazardous substances according to RoHS2011/65/EU
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Design and Test Criteria	Product is qualified to Telcordia GR-326-CORE
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Corning's FC-PC connectors (722 series) offer superior performance with very high repeatability. These products are fully intermatable with standard NTT FC-PC products and deliver long-term stability under a wide range of applications and conditions. The 722 series utilizes pre-radiused Zirconia ferrules to ensure low loss. Our FC-PC connector features a patented NOD spacer element for greater reliability and ease of assembly. We also provide an FC fiber coupling adapter family to support FC-PC interconnection. Corning's FC adapters are available in a wide range of hybrid adapter styles to fit almost any application or panel requirements.



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Specifications – FC-PC Connector / 722 Series

Parameters	Multimode	Single-mode
Insertion Loss	0.2 dB Typical	0.15 dB Typical
	0.3 dB Maximum	0.25 dB Maximum
	-25 dB Typical	-35 dB PC Polish
Back Reflection		-45 dB Super PC
		-55 dB Ultra PC
Connector Durability	500 Matings	
Connector Repeatability	Δ IL < 0.2 dB	Δ IL < 0.1 dB
Temperature Cycling	Δ IL < 0.2 dB / Δ RL < 5 dB	
Vibration	Δ IL < 0.2 dB / Δ RL < 5 dB	
Cable Retention	> 15 lb	
Operating Environment	-40°C to +85°C	

Specifications – FC-PC Connector / 740 Series

Parameters	Phosphor/Bronze	Zirconia
Insertion Loss	< 0.3 dB	< 0.2 dB
Connector Durability	500 Matings	
Connector Repeatability	Δ IL < 0.1 dB	
Operating Environment	-40°C to +85°C	

Ordering Information

FC-PC Connector / 722 Series

7 2 2 - 0 - 0 0 B

1
2
3
4
5

1 Select Ferrule Type

- 1: SM 125 mm
- 2: SM 126 mm
- 3: MM 128 mm
- 4: SM 125 mm (Short)
- 5: SM 126 mm (Short)
- 6: MM 128 mm (Short)
- 7: APC 125 mm Preangled (Step)
- 8: APC 126 mm Preangled (Step)
- 9: APC 126 mm Preangled (Conical)
- A: APC 125 mm Preangled (Conical)

2 Select Body Type

- 1: Fixed Key One Piece
- 2: Removable Key One Piece

3 Select Boot Type

- 1: 900 mm Boot
- 2: 2 mm Ribbed Boot
- 3: 2 mm Rubber Boot
- 4: 3 mm Ribbed Boot
- 5: 3 mm Rubber Boot
- 6: 900 mm Long Boot
- 7: 3 mm Angled Boot
- Other: Custom

4 Select Boot Color

- 1: MM: Black
- 2: SM: Yellow
- 3: APC: Green

5 Select Dust Cap Color

- 0: SM: Translucent
- 1: MM: Black
- 3: APC: Green

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 non-standard boot and housing colors

Non-standard color lead time may be longer

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Ordering Information – FC-PC Adapter / 740 Series

740-0011-003 FC	Metal Sleeve, Square Flange
740-002N-003 FC-ST	Metal or Ceramic Sleeve, Square Flange
740-003N-003 FC	Threaded, Metal or Ceramic Sleeve
740-0041-003 FC	Ceramic Sleeve, Square Flange
740-008N-003 FC-ST	Threaded, Metal or Ceramic Sleeve
740-015N-003 FC-SC	Metal or Ceramic Sleeve, with shutter door
740-010N-003 FC-ST	Threaded, Metal or Ceramic Sleeve, Double D
740-016N-003 FC	Threaded, Metal or Ceramic Sleeve, Single D
740-018N-003 FC-ST	Duplex, Metal Body, Metal or Ceramic Sleeve
740-019N-003 FC	Duplex, Metal Body, Metal or Ceramic Sleeve

N: 1 – Metal Sleeve, 2 – Ceramic Sleeve

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



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