FC – PC Connectors and Adapters

CORNING

Features and Benefits

Fixed and Removable Key Type Connector Available
Various Options: Boot Color and Boot Type
Patended NOD Spacer Element Connector Design
Precision Pre-radiused Zirconia Connector Ferrules

Standards

RoHS	Free of hazardous substances according to RoHS2011/65/EU
Design and Test Criteria	Product is qualified to Telcordia GR-326-CORE

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 preradiused 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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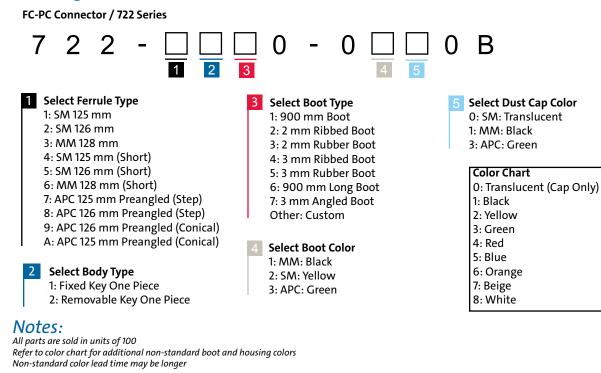
Specifications – FC-PC Connector / 722 Series

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

Ordering Information



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



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