

# FC Connectors & Adapters

## DESCRIPTION:

Optichina FC-PC connectors 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. Our product utilizes pre-radiused Zirconia ferrules to ensure low loss. Optichina products feature a patented NOD spacer element for greater reliability and ease of assembly. We also provides an FC fiber coupling adapter family to support FC-PC interconnection. Optichina adapters are available in a wide range of hybrid adapter styles to fit almost any application or panel requirements.



## APPLICATIONS:

- Local Area Networks
- Fast Ethernet
- ATM Networks
- Optical Transport
- Optical Access Networks

## FEAUTRES:

- Fixed and Removable Key Type Connector Available
- Various Options: Boot Color and Boot Type
- Patented NOD Spacer Element Connector Design
- Telcordia GR-326 Compliant
- Precision Preradiused Zirconia Connector Ferrules

## SPECIFICATIONS – FC-PC CONNECTOR

Parameters	Multimode	Singlemode
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
Connection Durability	500 Matings	500 Matings
Connector Repeatability	$\Delta IL < 0.2$ dB	$\Delta IL < 0.1$ dB
Operating Environment	- 40°C to + 85°C	- 40°C to + 85°C
Temperature Cycling	$\Delta IL < 0.2$ dB/ $\Delta RL < 5$ dB	$\Delta IL < 0.2$ dB/ $\Delta RL < 5$ dB
Vibration	$\Delta IL < 0.1$ dB/ $\Delta RL < 5$ dB	$\Delta IL < 0.1$ dB/ $\Delta RL < 5$ dB
Cable Retention	> 15 Lbs.	> 15 Lbs.

## SPECIFICATIONS – FC-PC ADAPTER / 740 SERIES

Parameters	Phosphor/Bronze	Zirconia
Operating Temperature	- 40°C to +85°C	- 40°C to +85°C
Connection Durability	500Matings	500Matings
Repeatability	$\Delta IL < 0.1$ dB	$\Delta IL < 0.1$ dB
InsertionLoss	<0.3dB	<0.2dB