



FC Adapter



FC Connector

INTRODUCTION

The LANZONE FC connector is a fiber-optic connector with a threaded body, which was designed for use in high-vibration environments. It is commonly used with both single-mode optical fiber and polarization-maintaining optical fiber. The FC connector has been standardized in TIA fiber optic connector intermateability standard EIA/TIA-604-4 for ferrule connector. We also provide a family of FC fiber coupling adapters to support the FC Connectors. These adapters utilize high tolerance sleeves to ensure consistent low loss and exceptional stability. LANZONE offers a wide range of hybrid adapter styles to fit most applications.

APPLICATIONS

- Local Area Networks
- Telecommunication Networks
- CATV Network
- Optical Communication equipment
- Wide Area Networks

FEATURES

- Low insertion loss
- High return loss
- High interface performance
- High corrosion resistance
- UL standard accessories, comply with RoHS.
- Screw type connection, easy to link properly

SPECIFICATIONS

FC Connectors		
Parameters	Multimode	Singlemode
Insertion Loss	0.2 dB Typical	0.15 dB Typical
	0.3 dB Maximum	0.25 dB Maximum
Repeatability	< 0.2 dB	< 0.1 dB
Insert pull test	<0.3 dB	

FIBER FC ADAPTERS&CONNECTORS

Operating Environment	- 40°C to + 75°C	- 40°C to + 75°C
Ceramic ferrule spec	<3 μm	<1μm
FC Adapter		
Parameters	Phosphor/Bronze	Zirconia / Ceramic
Operating Temperature	- 40°C to + 85°C	- 40°C to + 85°C
Connection Durability	500 Matings	500 Matings
Repeatability	< 0.2 dB	< 0.2 dB
Insertion Loss	< 0.3 dB	< 0.2 dB

ORDERING INFORMATION

LZ-FCFCS-SM: LANZONE Singlemode Fiber connector FC Epoxy type Simplex

LZ-FCFCS-MM: LANZONE Multimode Fiber connector FC Epoxy type Simplex

LZ-FAFCS-SM: LANZONE Single mode Fiber adapter FC type Simplex

LZ-FAFCS-MM: LANZONE Multi mode Fiber adapter FC type Simplex