

Quad LC Fiber Adapter

Brief Introduction:

It is made of a modular jack (RJ) latch mechanism that is easy to operate. The small size of the pins and sleeves used in it increases the density of fiber optic connectors in the fiber optic distribution frame. The use of precision ceramic sleeves ensures long-term stable mechanical and optical performance.

Optico is one of the leading manufacturer of fiber optic components in China, supplying fiber adaptor, patch cord, fiber pigtail, PLC splitter, fast connector, MTP/MPO, CWDM/DWDM, SFP, FTTH solution, Data center wiring solution, etc.

We supply simplex adaptor / duplex adaptor / quadlex adaptor etc to meet customers difference needs on fiber adaptor demands



Product Specs:

Insertion Loss	$\leq 0.25\text{dB}$
Return Loss	$\geq 60\text{dB}$
Durability	$\leq 0.20\text{dB}$ typical change, 1000 matings
Operating Temperature	-40°C to $+85^{\circ}\text{C}$
Ferrule Hole Sizes	$125.0+1/-0\mu\text{m}$, Concentricity: $\leq 0.5\mu\text{m}$
	$125.5+1/-0\mu\text{m}$, Concentricity: $\leq 0.5\mu\text{m}$
	$126.0+1/-0\mu\text{m}$, Concentricity: $\leq 0.5\mu\text{m}$

LC Optical Adaptor Applications:

- 1, video transmission
- 2, test equipment
- 3, Telecom
- 4, video transmission
- 5, fiber optic sensing
- 6, cable TV

LC Adaptor Features:

Fiber optic connectors are the most used optical passive components in fiber optic communication systems. Most fiber optic connectors consist of three components: two fiber optic connectors and one coupler. Two fiber optic connectors are fitted into the two fiber ends; the coupler functions as an alignment sleeve. In addition, the coupler is often equipped with a metal or non-metal flange to facilitate the installation and fixing of the connector.

The LC quad adapter can be inserted into the fiber connector of different interface types to realize the connection between the four pairs of LC connectors. The utility model has the advantages of quick and convenient connection, compact design, small occupied space and large density of the line. Widely used in optical distribution frames (ODF), optical fiber communication equipment, instruments, etc., with superior performance, stable and reliable.

The Quad LC Optical Adaptor Also Has The Below Features:

- 1, low insertion loss, each through an adapted connection loss is less than 0.2db
- 2, good interchangeability
- 3, good repeatability
- 4, Environmental-friendly material
- 5, Good temperature resistance
- 6, Easy installation

Performance Description

Type LC

End PC & APC

Mode SM = Singlemode, MM = Multimode

Casing Zirconia Ceramin, Phosphor Bronze

Insertion loss $\leq 0.2\text{dB}$

Interchangeability $\leq 0.2\text{dB}$ (Connector Randomly)

Resistance to contact $\leq 0.2\text{dB}$ (0 ~ 100N)

Vibration $\leq 0.2\text{dB}$ (5 ~ 50Hz, 1.5mm Amplitude)

Temperature range $\leq 0.2\text{dB}$ (-40 ~ 80 °C, 21 Cycles)

Our Company Has Passed Certificates: ISO, CE, ROHS, CPR;



CE

Type Test Report

Test Report No.	20140304 001	Order No.	0100019	Page 1/3
Client	OPTICO COMMUNICATION CO., LIMITED No. 8, Bldg. 2, Changping Industrial Park, Changping Community, Changping District, Beijing, China			
Test Item	Optical Fiber Cable Tester			
Manufacturer and Manufacturing plant	OPTICO COMMUNICATION CO., LIMITED No. 8, Bldg. 2, Changping Industrial Park, Changping Community, Changping District, Beijing, China			
Identification	Lot No. 10000000000000000000 Date No. 20140304			
Model No.	OTDR-10000000000000000000			
Testing location	CMA Measurement Service Co., Limited, Beijing, China			
Test Results	The test results are in accordance with the technical specifications of the product. The test results are in accordance with the technical specifications of the product.			
Testing Laboratory	CMA Measurement Service Co., Limited, Beijing, China			

CPR



ISO



RoHS

Optico Company Pictures:





Hot Tags: LC Fiber Adapter, Duplex Adaptor, Fiber Components