FC FC Fiber Optic Adapter

Optico Communication Co., Ltd is one of the leading manufacturers of fiber optic networks components supplying FC FC Fiber Optic Adapter in Shenzhen, China. Established in 2000, we have made endeavor to fiber optic accessories for more than 18 years. Our products have successfully exported to more than 30 countries, and our main market are covering most of Europe and Oceania market. We are expecting to establish long-term and mutual-benefit business partnership with you.

Introduction:

FC type optical fiber connector: This connector was developed by Japan NTT. FC is the abbreviation of FERRULECONNECTOR, indicating that the external reinforcement method is to use a metal sleeve, and the fastening method is a screw buckle. At the beginning, FC type connectors used the butt ends of ceramic pins. This type of connector has a simple structure, convenient operation, and easy manufacture. However, the fiber end is sensitive to dust and is prone to Fresnel reflection, which improves the return. Wave loss performance is quite difficult. later. The improvement of this type of connector uses a spherical pin on the mating end, and the external structure has not changed, and it is improved by the increase of the return loss performance of the insertion loss.

It is a component used to realize optical signal splitting / combining, or used to extend optical fiber interconnection. It belongs to the field of optical passive components. It is used in telecommunication networks, cable networks, user loop systems, and regional networks. Fiber optic switches Divided into standard switches. Direct connection switch, star / tree switch, and wavelength multiplexer, the production method is sintering, the production method of sintering method is that two optical fibers are melted and drawn together to polymerize the core Together, to achieve the optical coupling effect, and one of the important production equipment is the fiber fusion splicer, which is also an important step. Although some of the important steps are on the machine at the same time, after sintering, people still need to work to detect the package, so the labor cost accounts for About 10 ~ 15%, and the manual detection of packaging must ensure the consistency of quality, which must be overcome during mass production, but the

technical difficulty is not as high as that of DWDM modules and optical active components. The structure of the fiber optic adapter is divided into: 1, the fiber optic adapter panel. 2. Curved radius control clip 3. Front panel accessories. 4. Plug and jack. 5. Bracket. 6. The trunk or interconnecting optical cable entry hole.

Product Specifications:

Insertion Loss	<=0.25dB
Return Loss	>=60dB
Durability	<=0.20dB typical change, 1000 matings
Operating Temperature	-40℃ to +85℃
Ferrule Hole Sizes	125.0+1/-0μm, Concentricity: <=0.5μm
125.5+1/-0μm, Concentricity: <=0.5μm	
126.0+1/-0μm, Concentricity: <=0.5μm	

Applications:

Telecommunication networks

Local Area Networks (LANs)

Wide Area Networks (WANS)

Data processing networks

Test equipment

Active device termination

Premise installations

FEATURES:

Low insertion loss and high return loss

NTT-FC Compatibility

Compact design

Telcordia, ANSI, TIA/EIA, NTT and JIS compliance

High precision alignment

Nickel plate brass body

Free-floating ceramic ferrule

Precision anti-rotation key and corrosion resistant body

The FC adapter is made of metal and is generally used on the ODF side. The metal adapter can be inserted and removed more times than plastic. FC connectors are generally used in telecommunication networks, and a screw cap is screwed onto the adapter. The advantages are reliable, dust-proof, and the disadvantage is that the installation time is slightly longer, and the clamping is tight.

Product Ordering Options:

Housing Shape	Housing Composition	Sleeve Material
Square	One-piece	Zirconia

Round (D-shape)	Two-piece	PB

Certifications:

RoHS

Factory Workshop: