

FC Fiber Optic Pigtail

Product Drawing



Product Description

The fiber optic pigtail of FC connectors is a high-quality fiber optic connection product designed specifically for efficient and stable connections in fiber optic communication systems. Its unique FC connector interface ensures precise docking between optical fibers, thereby reducing insertion loss and improving signal transmission quality.

Product features

- Low insertion loss, high return loss.
- Good repeatability and interchangeability.
- Adopting FC connectors with planar contact (FC) ensures precise docking of fiber end faces and reduces insertion losses.
- The external reinforcement method adopts a metal sleeve, and the fastening method is a screw buckle, which ensures the tensile strength of the tail fiber and can adapt to various engineering requirements.
- Tail fibers are divided into single-mode and multi-mode to meet the fiber connection requirements in different scenarios.

Application

Long haul trunk, metro and access system; CATV and fiber network system.

Technical Specifications

Product Parameters

Project		Technical indicators			
Product name		FC Fiber Optic Pigtail			
Parameter	Unit	Index			
Connector Type	/	PC(SM)	UPC(SM)	APC(SM)	PC(MM)
Return Loss	dB	≥45	≥50	≥60	≥35
Insertion Loss	dB	Typ≤0.2 Max≤0.3			
Repeatability	dB	≤0.1			
Interchangeability	dB	≤0.2			
Connection Durability	times	≥500(non-metallic) ≥1000(metal)			
Operating Temperature	℃	-25 ~+70			
Fiber Type		SM9/125,MM50/125,MM62.5/125,OM3,OM4			