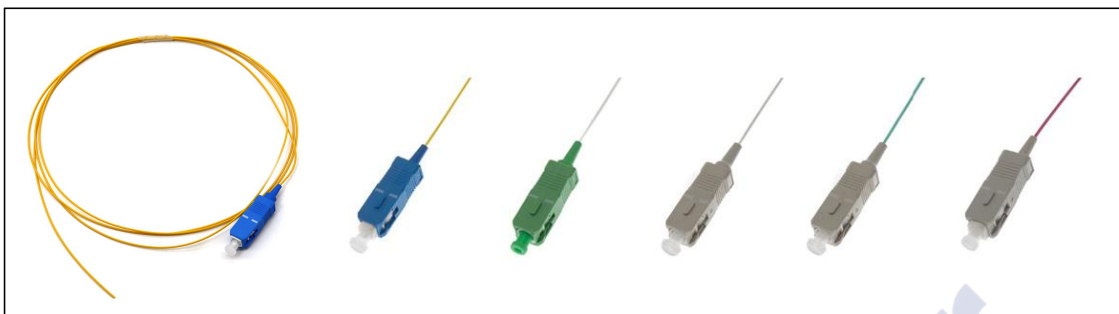


SC Fiber Optic Pigtail

Product Drawing



Product Description

The fiber optic pigtail of SC connector is a high-performance fiber optic connection product designed specifically for precise connection between fiber optic devices in modern communication networks. The SC joint adopts a square design, with a smaller volume and precise docking structure. It adopts physical contact (PC) or ultra physical contact (UPC) methods to ensure the height flatness and tight contact of the fiber end face, reduce signal loss, and meet the needs of various fiber optic communication applications.

Product features

- Low insertion loss, high return loss.
- Good repeatability and interchange ability.
- The SC interface adopts a square design to ensure the height flatness and tight contact of the fiber end face, reducing signal loss.
- The pigtail fiber adopts single-mode or multi-mode optical fibers, which have excellent transmission performance and low loss characteristics.
- The outer sheath of the pigtail fiber is made of high-strength, wear-resistant, and corrosion-resistant materials, which can resist the damage of harsh environments to the pigtail fiber, ensuring its stability and reliability in various environments.
- The pigtail fiber connector adopts a quick insertion and removal design, making it convenient for users to install and disassemble.

Application

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

Technical Specifications

Product Parameters

Project		Technical indicators			
Product name		SC 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	$^{\circ}\text{C}$	-25 ~+70
Fiber Type		SM9/125,MM50/125,MM62.5/125,OM3,OM4

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