

LC Optical Patch-cord

Introduction

Optical patch cord, which used to implement the optical path active connection, and composed of optical fiber connector and fiber cable. It makes two fiber surface precision docking, so that the optical output power maximize the coupling to the receiving optical fiber, and minimize insertion loss. Optical patch cord is use for connect equipment and Optical Fiber Cabling Link, and thick protective coat, commonly use for connection between optical transceiver and the terminal box.

Features

- Low insertion loss and back reflection loss
- Good exchangeability
- Good Durability
- High temperature stability
- Standard: EN 186-270

Applications

- CATV, and Multimedia
- Telecommunication networks
- Active device interface
- Sensor system
- Interconnection for O/E modules
- Data processing networks
- Industrial and medical
- Premise installations



Specification

Item	Single mode	Multimode
Nominal fiber O/D	Typical $\leq 0.2\text{dB}$, Maximum $\leq 0.3\text{dB}$	$\leq 0.25\text{dB}$
Insertion Loss	$\geq 50\text{dB}$ (PC), $\geq 60\text{dB}$ (APC)	$\geq 30\text{dB}$
Return Loss	≤ 0.1	≤ 0.1
Mating Durability (500Cycles)	$\leq 0.2\text{dB}$ typical change, 500 matings	$\leq 0.2\text{dB}$ typical change, 500 matings
Temperature Stability	$\leq 0.2\text{dB}$	$\leq 0.2\text{dB}$
Mating Durability (500Cycles)	$> 70\text{N}$	$> 70\text{N}$
Temperature Stability	$-40 \sim 85^{\circ}\text{C}$	$-40 \sim 85^{\circ}\text{C}$