

LC MULTIMODE PECIFICATION

Brief Introduction

There are many types of simplex connector. The most widely used types are LC connector, SC connectors, FC connectors, and ST connectors. Because of the LC connector uses the ceramic ferrule and which outer diameter only ϕ 1.25 mm, which is SC connector, FC connector and ST connector half of the outer diameter, so the LC size is only half of the other connectors, because the LC is more smaller, which makes it more density in the 10G/40G fiber cabling system, LC is the first choice for simplex connectors.

This is the most common LC duplex connector; the duplex cable is 3.0mm and 2.0mm. The LC connector color is green and is generally LC/APC type. APC type has better Return Loss than UPC type. For 40G/10G SFP, SFP+ optical module, one connector receives a signal and the other connector transmits a signal. It should be noted that 40G/10G optical module generally uses LC/UPC type.

Features

1. Reliable quality.
2. Simplex or duplex is customized.
3. Support use in attaching directly to 10G QSFP or QSFP+ module.
4. Compliance with IEC61754-1 and IEC61754-20 standards.

Applications

1. Optical fiber test system.
2. Building cabling system
3. Fiber Access Network
4. Fiber optic data transmission and FTTX

Specifications

Fiber mode: Single-mode (LC/UPC 0degree)

Fibers number: Duplex OR Simplex

Insertion Loss: typical \leq 0.20dB, Max \leq 0.30dB

Return loss: RL \geq 60dB

Test wavelength: 850nm &1300nm

Operating Temperature:-20 $^{\circ}$ C to +70 $^{\circ}$ C

Storage Temperature: -40 $^{\circ}$ C to +85 $^{\circ}$ C