AFC-LCA

Fiber Optic Fast Connector

LC/APC Mechanical fiber pre-embeded type

Overview

LC Fiber Optic Fast Connector also called LC Fast Fiber Connector or LC Quick Connector, designed for FTTH is a new generation of fiber connector used in assembly. It can provide Open flow and Pre-cast type of products, whose optical and mechanical specification meets the standard optical fiber connector. It is designed for high quality and high efficiency for installation; the structure of the crimping position is a unique design; and does not need gluing, polishing, or any consumables. It is adopting a fiber pre-installed structure that is convenient for field installation.

Features

- No gluing and polishing are required
- Can be made on-site without splicing
- Easy to install, fast, and easy on site
- Low insertion loss, high return loss

Applications

- Premise environments
- Connections at the desk for LAN environments
- Patch panels
- Direct equipment termination
- Fiber to the Subscriber (FTTH) applications
- Repair/replacement requirements
- Equipment test leads

Technical Specifications

Type	Parameters
Application cable	3.0 x 2.0 mm Drop Cable
Fiber diameter	125μm (G657A & G657B)
Tight buffer diameter	250 μ m
Insertion loss	AVG≤0.3dB，MAX≤0.5dB
Return loss	UPC≥45dB, APC≥50dB
Bare fiber strength	> 3N
Clad strength	> 8N
Tension strength	> 50N
On-line tensile strength (20 N)	△ IL ≤ 0.2dB △ RL ≤ 5dB
Mechanical durability (500 times)	△ IL ≤ 0.2dB △ RL ≤ 5dB
Drop-off test (drop-off height 4m, once per direction, total 3 times)	△ IL ≤ 0.2dB △ RL ≤ 5dB
Operating temperature	-25 °C to +75 °C
Connector length	44.3±0.2mm

For further information, please visit our website https://www.aoatech.com