

Fast Connectors

The field assembly optical connector is designed for simple and fast field termination of single fibers, without polishing or adhesives. The heart of the Quick fast connector is a pre-polished ferrule and a mechanical splice inside the connector body. Assembly requires only normal fiber preparation tools: a fiber stripping tool, wipes and a fiber cleaver. No electrical power supply is needed to assemble quickly the fiber connector.

Quick assembly fiber optic connector uses Sumitomo's guide rail technology to help position the fiber into the connector, achieving a positive connection in the mechanical splice and low insertion loss termination.



Features

- Compatible with conventional SC and LC connector;
- Easy and fast assembly (within 2 minutes) without special tool;
- Reliable assembly and high repeatability;
- Applicable for 2mm, 3mm FTTH cable.

Technical Specification

ITEM	Technical Parameters
Applicable for	3.0mm or 2.0mm pigtail cable
Optical fiber diameter	9/125 μ m (657A & 657B / 652D)
Tight buffer diameter	250 μ m / 900 μ m
Fiber mode	Single-mode / multimode
Operation time	About 10s (no fiber cut)
Insert loss	0.3dB (1310nm & 1550nm)
Return loss	- 55dB
Fastening strength of naked fiber	> 5N
Fastening strength of naked fiber holder	> 10N
Tensile strength	> 50N
Operating temperature	- 45 ~ +85 °C
On-ling tensile strength (20N)	IL 0.2dB RL 5dB
Mechanical durability (500 times)	IL 0.2dB RL 5dB
Drop-off test (drop-off height 4m, once per direction, totally 3 times)	IL 0.2dB RL 5dB
Connector repeatability	10 times