



## KRT Fiber Fast Connector

- Support repeated operation, convenient disassembly;
- Size: compact, suitable for connection with tight-cushion type optical subscriber wire with size (2.0x3.0) mm. And allows compact installation in ATB box, with the bend radius of fiber always  $\geq 30\text{mm}$ .
- Shell material: high-quality, smooth engineering plastic. Above is printed information (name of manufacturer, type ...) and is not blurred over time;
- Installation manipulation and tools included: simple and easy connection. On each fast connector there must be a mechanism with a dedicated tool to unscrew and re-press the fast connector;
- The bridge provides documentation of manufacturing processes, testing procedures, measuring equipment types, including 3D geometry.
- Compliance standard: TIA / EIA 604-3 (SC) and IEC 61754-4
- Using Japanese technology, Japanese ceramic core manufactured at Kexn China factory gives good product quality, low attenuation, many times use with high mechanical strength.
- No need special tools and the construction is convenient. The construction can be carried out in a narrow space and the tools are simple.

## Technical indicators

- Ferrule core: made of Ceramic Zirconia material
- Requirements for attenuation, operating temperature and humidity
- *Type SC/APC*
- + Insertion loss:  $\leq 0,2\text{dB}$
- + Feedback loss:  $\geq 55 \text{ dB}$



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- Operating temperature:  $-10^{\circ}\text{C} \div +70^{\circ}\text{C}$

- Humidity:  $<95\text{ RH}$

- **Type SC/UPC**

+ Insertion loss:  $\leq 0,3\text{dB}$

+ Feedback loss:  $\geq 45\text{ dB}$

- Operating temperature:  $-10^{\circ}\text{C} \div +70^{\circ}\text{C}$

- Humidity:  $<95\text{ RH}$

- Number of reuse times (still allowing to meet the consumption rate):  $\geq 05\text{ Times}$

- Tensile force:  $\geq 30\text{ N}$

**APC** -Radius of curvature:  $5\div 12\text{ (mm)}$

- Optical fiber eccentricity and ferrule hole (Apex offset):  $< 50(\mu\text{m})$

- Fiber height compared to ferrule surface (Fiber height):  $-100 \div +100\text{ (nm)}$

**UPC** -Radius of curvature:  $5\div 25\text{ (mm)}$

- Optical fiber eccentricity and ferrule hole (Apex offset):  $< 50(\mu\text{m})$

- Fiber height compared to ferrule surface (Fiber height):  $-100 \div +100\text{ (nm)}$

- Brand name is imprinted on the connector cover

- Number of points to lock subscriber fiber optic cable (3 points): Bare fiber lock  $0,125\text{mm}$ ;  
Color thread lock  $0,25\text{mm}$ ; Cable lock

- Tail cover with folding operation: Folded form

- Mounting durability on adapter:  $>500\text{ Times}$

- Maximum loss after plugging in the connector and detachment 500 times and the optical adapter:  $\leq 0,2\text{dB}$

- Light-colored homing fiber directional hole for convenient installation: Color light bulb

- Accessories come with 01 kit / 50 fast connector: Of measuring tools and fiber plucking

- Warranty period:  $\geq 12\text{ Months}$

- With slide trays, sliding slots for fiber orientation and easy in / out cable terminal holder

- Number of times of reuse:  $\geq 10$  times of increased alternate loss is not too much:  $\leq 0,5\text{dB}$

## 1.Description

Quick connector is a good solution to field wiring and fiber-to-the home engineering connector.

Assembly without glue, grinding and electrical tools, is widely used in construction section, the place need to quickly connect, to provide a fast and stable connector for the operation. It adopts the latest fiber formed technology. All the optical and mechanical index meet the patch cord standard, to achieve to make the patch cord via mechanical cold junction, it change the traditional splice opinion, offer the powerfull support for FTTx.



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## 2.Feature

- 1) Low insertion loss
- 2) High return loss (*low* amounts of reflection at the interface)
- 3) Ease of installation
- 4) Low cost
- 5) Reliability
- 6) Low environmental sensitivity
- 7) Ease of use

## 3 Application

- 1) CATV
- 2) Active device termination
- 3) Telecommunication networks
- 4) Metro
- 5) Local Area Networks (LANs)
- 6) Data processing networks
- 7) Test equipment
- 8) Premise installation
- 9) Wide Area Networks (WANs)

