

SC UPC Optical Fast Connector

Place of Origin: Shenzhen, China

Brand Name: OPTICO

Model Number: SC UPC Fiber Optic Fast Connector

Product name: Fiber Fast Connector

Connector Type: SC UPC

Ferrule: UPC or APC

Fiber Mode: SM MM

Application: FTTH

Insertion Loss: 0.3dB~0.5dB

Return Loss: 50dB

Service Life: 20 Years

Sample status: In stock

Supply Ability: 100000 pcs/month

Packaging Details: 10pcs/blister

Port: shenzhen



SC UPC Optical Fast Connector

The SC/UPC fast connector are factory pre-polished, field-installable connectors that completely eliminate the need for hand polishing in the field. Proven mechanical splice technology ensuring precision fiber alignment, a factory pre-cleaved fiber stub and a proprietary index-matching gel combine to offer an immediate low loss termination to either single-mode or multimode optical fibers.

Product Name	fiber fast connector
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Connector Type	SC
Ferrule	UPC or APC
Fiber Mode	SM MM
Application	FTTH
Insertion Loss	0.36DB
Return Loss	≤ -40dB
Operation Temperature	-40~+75℃

Performance

The performance of optical fiber connectors is first of all optical performance. In addition, the interchangeability, repeatability, tensile strength, temperature, and plug-in times of optical fiber connectors must also be considered.

(1) Optical performance: The requirements for optical performance of optical fiber connectors are mainly the two most basic parameters of insertion loss and return loss.

Insertion Loss (InsertionLoss) is the connection loss, which refers to the loss of the effective optical power of the link caused by the introduction of the connector. The smaller the insertion loss, the better, and the general requirement should be no more than 0.5dB.

Return Loss (ReturnLoss, ReflectionLoss) refers to the ability of the connector to suppress the reflection of link optical power, and its typical value should not be less than 25dB. In the actual connector, the pin surface has been specially polished, which can make the return loss greater, generally not less than 45dB.

(2) Interchangeability and repeatability

Optical fiber connectors are universal passive components. For the same type of optical fiber connectors, they can generally be used in any combination and can be used repeatedly. The additional loss introduced by this is generally less than 0.2dB. (3) Tensile strength

For finished fiber optic connectors, the tensile strength is generally required to be no less than 90N.

(4) Temperature

Generally, the optical fiber connector must be able to be used normally at a temperature of -40oC~+70oC.

(5) Mating times

The optical fiber connectors used can basically be plugged and unplugged more than 1,000 times.

Connection Steps:

1. Optical fiber quick connector is a very innovative field termination connector, which contains factory-installed optical fiber, pre-polished ceramic ferrule and a mechanical connection mechanism.
2. When terminating, only the incoming optical fiber or indoor optical fiber is inserted into the mechanical splicing mechanism, no other tools are needed, and the termination process only takes about 2 minutes, which greatly saves installation time.
3. The ferrule and end face of the optical fiber quick connector have been pre-polished and pre-polished before leaving the factory. The mechanical connection mechanism is located at the end of the ferrule to fix the inserted fiber.

- The mechanical splicing mechanism is mainly composed of a V-shaped groove and a clamping element; when the fiber needs to be inserted, the V-shaped groove is opened with a wedge clamp to facilitate the smooth insertion of the fiber.
- When the optical fiber is inserted into the V-shaped groove and fixed, just pull out the wedge clamp from the V-shaped groove.

Certificates:

CE

CPR

ISO

RoHS

Factory:





Hot Tags:
Fiber fast connector, FTTH connection, fiber network.