

## SC/APC Optical Fast Connector

### Overview

SC APC Fiber Optic Fast 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 crimping position is a unique design, and need not gluing, polishing neither any consumables. Adopting fiber pre-installed structure, and convenient for field installation.



### Features

- Twin end-face of pre embedded fiber is polished in the factory.
- Fiber optics is aligned in V-groove through the ceramic ferrule.
- Side cover design provide complete preservation of the matching liquid.
- Ceramic ferrule with pre-embedded fiber is polished to APC.
- Length of the FTTH cable is controllable
- Simple tooling, easy operation, portable style and reusable design.

### Specification

Type	Parameters
Cable Scope	3.0 x 2.0 mm Bow-type Drop Cable
Fiber Diameter	125μm ( 652 & 657 )
Coating Diameter	250μm
Mode	SM
Operation Time	about 15s (exclude fiber presetting)
Insertion Loss	≤ 0.3dB (1310nm & 1550nm)
Return Loss	≤ -45dB
Success Rate	>98%
Reusable Times	>10 times
Tensile Strength	>5 N
Tighten Strength of Coating	>10 N
Temperature	-40~+85℃
On-line Tensile Strength Test (20 N)	△ IL ≤ 0.3dB



*Power the light, Power the life*

Mechanical Durability (500 times)	$\Delta$ IL $\leq$ 0.3dB
Drop Test (4m concrete floor, once each direction, three times total)	$\Delta$ IL $\leq$ 0.3dB

#### Relevant Solutions

- Easy operating, The connector can be directly used in ONU, also with fasten strength more than 5 kg, it is widely used in FTTH project of network revolution. It also reduce the use of sockets and adapters, save cost of project.
- With 86 standard socket and adapter, the connector makes connection between drop cable and patch cord. The 86 standard socket provides complete protection with its unique design.

PS: All connectors with fiber pre-embedded tech could be polished to APC as the clients' requirements

# Optical Connector