SC/APC QUICK CONNECTOR

Overview:

The fast connector is an indispensable component in the construction of fiber optic networks, especially with the FTTH network that is gradually dominating the market today. The fast optical connector helps to save the maximum cost for the construction of fiber optic cable, both in terms of time and money, and does not require a highly qualified person to do it. Fast connector SC optical connector is used to connect directly to the fiber without the need to use a welding machine.

Fast connector is researched and manufactured on the most modern technology line, fast optical connector actively and effectively supports engineers in the construction process of FTTx fiber optic cable connection, at a low cost. The cost is very cheap, the implementation time is extremely fast as well as the connection life is quite high and the quality is quite high, so the -fast connetor optical connector is widely used in the construction of optical cables today.

The most common types of optical fast connectors are SC connectors – including SC/UPC and SC/APC, in addition to FC or LC standard quick connectors, but less common

Pictures:

Features:

1. Compact size, easy to use, suitable for 2.0x3.0mm optical cable
2. Use in ATB/Splitter box allowing bend radius 30mm
3. High quality engineering plastic shell, smooth. The above has the manufacturer's information printed and does not fade over time
4. Ferrule core made of Ceramics Zirconia
5. The manufacturer's name is printed on the body of the product
6. There is a clamp to hold the yarn firmly
7. Easy to assemble with the included tools
8. On each product with a release tool, press the fast connector again
9. The product is 3D tested according to Telcoria GR-326-core and IEC 61754 standards
10. Singlemode type 2.5mm APC standard
    1. Radius of curvature: 5-12 (mm)
    2. Apex offset: <50um
    3. Fiber height: -100 ÷ +100 (nm)
    4. APC_Angle: 7,5 ÷ 8,5 (deg)
11. Singlemode type 2.5mm UPC standard
    1. Radius of curvature: 5-25 (mm)
    2. Radius of curvature <50um
    3. Fiber height: -100 ÷ +100 (nm)
12. Standard Compliance TIA/EIA 604-3(SC)
13. Lid lock tail by folding operations
14. Bright funnel-shaped cable guide hole for easy installation
15. The product has a V-groove design with the tail to easily place the optical fiber into the optical connector
16. Goods are fully certified with CO/CQ
17. Product information is available on the manufacturer's website

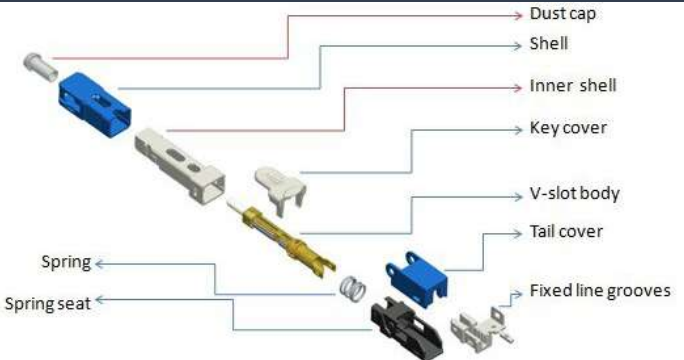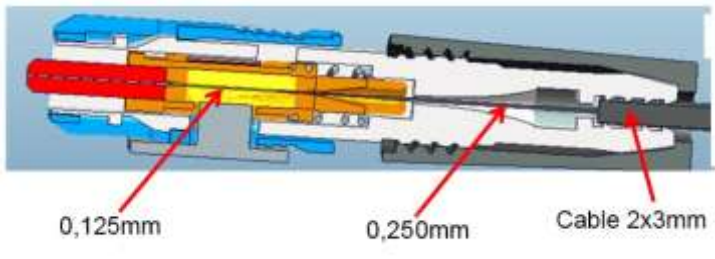**Application** FTTx，Data Room Transformation

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.
- Applicable to connection with field mountable indoor cable, pigtail, patch cord and transformation of patch cord in data room and directly used in specific ONU.

Technical specification

Item	Parameter
Cable Scope	3.1 x 2.0 mm Bow-type Drop Cable
Size	51*9*7.55mm
Fiber Diameter	125μm (652 & 657)
Coating Diameter	250μm
Mode	SM SC/APC
Operation Time	about 15s（exclude fiber presetting)
Insertion Loss	Max: 0.5dB Typical: 0.25dB（1310nm & 1550nm)
Return Loss	≤ -55dB
Success Rate	>98%
Reusable Times	>10 times
Tighten Strength of Naked Fiber	>5 N
Tensile Strength	>50 N
Temperature	-40 ~ +85 C
On-line Tensile Strength Test (20 N)	IL ≤ 0.3dB
Mechanical Durability（500 times)	IL ≤ 0.3dB
Drop Test（4m concrete floor, once each direction, three times total)	IL ≤ 0.3dB

Structure:

Product structure	Dust cap Shell Inner shell Key cover V-slot body Tail cover Fixed line grooves Spring Spring seat
3-point locking structure	0,125mm 0,250mm Cable 2x3mm
Fiber directional hole	Tail cover Funnel-shaped directional hole

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Tel:86-0755-29650336   Fax:86-0755-29510505   Email:dys@dys-fiber.com   http://www.dys-fiber.com   4/3

Accessories:

User manual: - In Vietnamese - 01pc/10 fast connector	
Adapter: - Measuring tape and yarn stripper - 01 adapter/30 fast connector	

Information order:

P/N:	
F-DYS-SCA-GAP	F-DYS-SCU-GAP