

Field Assembly Connector-Fiber Pre-embedded Tech

FAC-SC/APC-01



FAC-SC/UPC-01



**Application** FTTx, Data Room Transformation

### Technical specification

Item	Parameter
Cable Scope	3.0 x 2.0 mm
Size:	59*8.7*8.3mm & 55*8.7*8.3mm
Fiber Diameter	125μm ( 652 & 657 )
Coating Diameter	250μm
Mode	SM
Operation Time	about 15s (exclude fiber presetting)
Insertion Loss	≤ 0.5dB Max/Typically ≤0.3dB ( 1310nm & 1550nm)
Return Loss	≥50dB for UPC, ≥55dB for APC
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)	≤ 0.5dB Max/Typically ≤0.3dB
Mechanical Durability ( 500 times)	≤ 0.5dB Max/Typically ≤0.3dB
Drop Test ( 4m concrete floor, once each direction, three times total)	≤ 0.5dB Max/Typically ≤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.
- 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.