

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	125 $\mu$ m ( 652 & 657 )
Coating Diameter	250 $\mu$ m
Mode	SM
Operation Time	about 15s ( exclude fiber presetting)
Insertion Loss	$\leq 0.5$ dB Max/Typically $\leq 0.3$ dB ( 1310nm & 1550nm)
Return Loss	$\geq 50$ dB for UPC, $\geq 55$ dB 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)	$\leq 0.5$ dB Max/Typically $\leq 0.3$ dB
Mechanical Durability ( 500 times)	$\leq 0.5$ dB Max/Typically $\leq 0.3$ dB
Drop Test ( 4m concrete floor, once each direction, three times total)	$\leq 0.5$ dB Max/Typically $\leq 0.3$ dB

### 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.