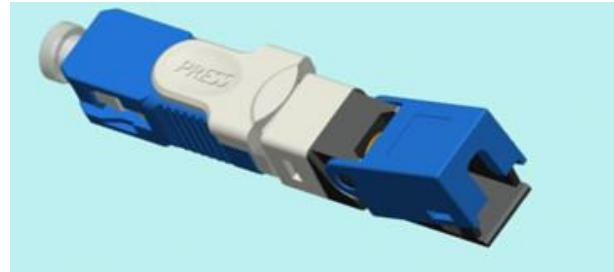
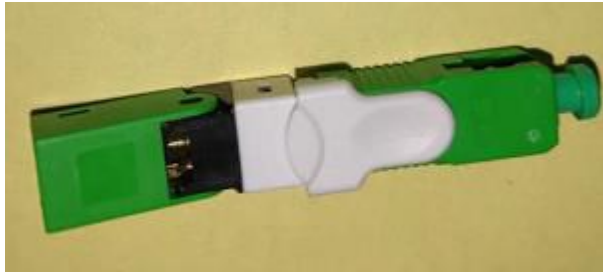


## Field Assemble Connectors (FAC)



CISFIBER Infra Solutions FAC – 250D connector is a kind of low loss field installable connector which is designed to give operators maximum flexibility in a constantly changing FTTx network.

It uses a pre-assembled fiber connector design to fit for drop cable system applications. The FAC—250D connector mates with all industry standard SC/UPC and SC/APC connectors. It is an ideal solution for FTTX drop cable field installations and is widely used where operators need a quick connection without the ability to manage cable over length.

The connector kit incorporates a factory-polished fiber stub with a mechanical splice and connector body. This design allows for easy termination without the use of special tools and easy to achieve fast installation.

### FEATURES / BENIFITS

- Simple, fast and reliable installation
- Convenient for operation without special tool
- Compatible with standard SC connector
- Allow for re-install in the field
- Suit for figure 8 cable with section of 2 x 3mm and 1.6 x 2mm

### APPLICATIONS

- Passive Equipment's of Control Centers, GMSC, MSC
- Passive Optical Network Equipment's such as FMS, Wall Mounts, ODF's
- FTTx Passive Equipment's applications such as FAT, RSTB, ODU

## SPECIFICATIONS

Item	Parameter
Fiber Diameter	125µm ( G657A1& G657A2)
Fiber Type	Single mode
Insertion Loss	Ave: ≤ 0.3dB; Max: ≤ 0.5dB
Return Loss	≥50dB(UPC); ≥55dB(APC)
Suitable Cable	Flat Cable: 1.6x2mm or 2x3mm
Tensile Strength	≥30 N
Time of re-install	10 times

## ENVIRONMENT SPECIFICATION:

Condition	Insertion Loss Variation, dB
Temperature Cycle, -40~80℃, 12cycles	≤0.3dB
Shock, 10Hz~55Hz; 0.75mm, Single amplitude, 30min	≤0.3dB
Soaking, 25 ±2 (℃) , distilled water, 144h	≤0.3dB
Hot and Humid, +40 (℃) , relative humidity 95%, 96h	≤0.3dB
High Temperature, +80 (℃) , 96h	≤0.3dB
Low Temperature, -40 (℃) , 96h	≤0.3dB

## MECHANICAL SPECIFICATION:

Condition	Insertion Loss variation, dB
Durability, pull out and plug 500 times	≤0.3dB
Torsion, 15N, 200 times	≤0.3dB
Tension, 40N	≤0.3dB
Free Fall : 1.5meter high, 8 times	≤0.3dB
Repeatability: pull out 10 times	≤0.3dB
Repetitive assembly: 5 times	≤0.3dB

## PACKAGE:

Polybag pack, 1pc/bag



## ORDERING GUIDE

<b>FAC</b>		<b>250D</b>		<b>SM</b>		<b>_____</b>	
Product Family		Model		Fiber Type		Interface Type	
Type	Catalog Code	Type	Catalog Code	Mode	Catalog Code	Type	Catalog Code
Field Assembly Connector	<b>FAC</b>	Buffer	<b>250D</b>	Single Mode	<b>SM</b>	SC/PC	<b>SCP</b>
						SC/APC	<b>SCA</b>