

FIELD ASSEMBLY OPTICAL CONNECTOR

SC Type

An SC type FAOC is the most widely used fiber optic connector in FTTx that does not need epoxy or polishing. It enables fast and on-site installation of 250µm, 900µm, 3.0mm and 1.6mm x 2.0mm, 2.0mm x 3.0mm cable type connectors even when the user has no access to power. Two or three pieces of the preassembled and factory terminated connectors can be installed within 2 minutes using simple tools and can be recycled several times. It accommodates a reliable and durable optical network especially suitable for advanced fiber optic systems requiring exceptional stability and low loss. Yaxx FAOC has been recognized as a "World-class Product" by the Ministry of Knowledge Economy.

1. Item

- Field Installable Connector
- Fast Installable Optical Connector
- Pre-polished Optical Connector
- Quick Assembly Connector

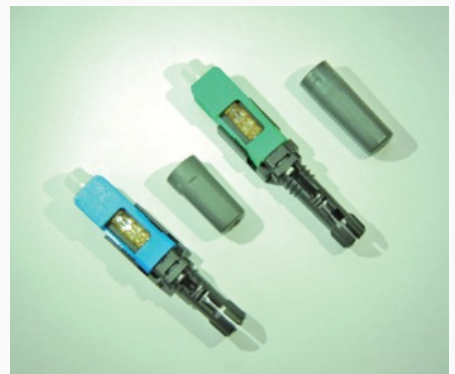


2. Application

- Fiber Optical Telecommunication
- Fiber Distribution Frame
- FTTH Outlets
- Optical Cable Interconnection
- Cable Television

3. Features

- Quick and easy fiber termination
- Available to re-use
- High success rate of connection
- Superior optical characteristic value
- Simple assembly process
- No failure after opening



4. Assembling Tools

- Cleaver
- Scissors
- Gauze with Alcohol
- Stripper



5. Connector type

- V-groove type
- Fiber type
 - ① SM : Standard Single Mode Fiber type
 - ② MM : Mul, Mode 50/125 & 62.5/125 Micron fiber type (OM1, OM2, OM3, OM4)
- Ferrule Polishing type
 - ① PC type : Physical Contact type
 - ② APC type : Angled Physical Contact type
- Connector type for using cable type
 - ① 3.0mm (Round) type : All-In-One [2pcs parts]
 - ② 2.0mm X 3.0mm (Flat) type : All-In-One [2pcs parts]
 - ③ 1.6mm X 2.0mm (Flat) type : All-In-One [2pcs parts]
 - ④ 250μm&900μm (Round) type [3pcs parts] → with assembling jig tool & 900μm fit tube

Complies with IEC 61754

H homologated for G652D y G657A

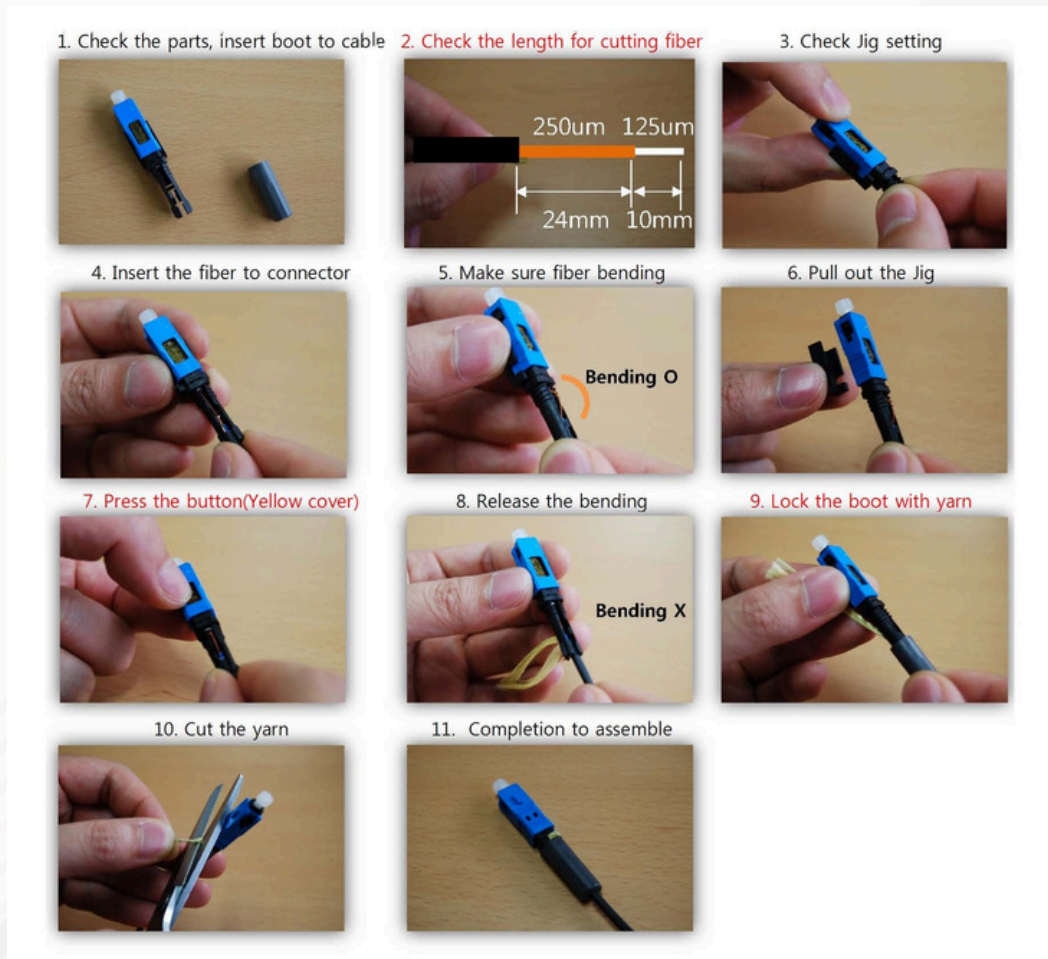
6. Product Specifications

Item	Specification
Standard	TIA / EIA 604-3 [SC]
Inser,on Loss	< 0.3dB
Return Loss	Typ. 50dB / Max. 55dB [PC], Typ.55dB / Max. 60dB [APC]
Endurance	500 ,mes reconnec,on / ≤ 0.3dB
Tension	[3.0mm, 1.6mm X 2.0mm, 2.0mm X 3.0mm] 3.0kg / ≤ 0.2dB change [250μm&900μm] 0.75kg / ≤ 0.2dB change
Temperature Change	21 ,mes / -40°C ~ +75°C / ≤ 0.3dB change

End Face Geometry [Based on GR-326]	PC type	APC type
Ferrule Endface Radius (mm)	7~2	5~1
Fiber Undercut (nm)	Less than 100	Less than 100
Fiber Protrusion (nm)	Less than 100	Less than 100
Apex Offset (um)	Less than 50	Less than 50

6. Assembling Manual

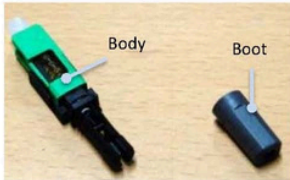
- 3.0mm (Round) type



6. Assembling Manual

- 1.6mm X 2.0mm (Flat) type

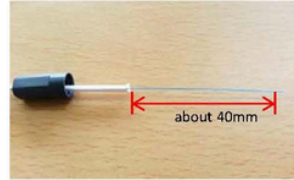
1. Check FAOC parts



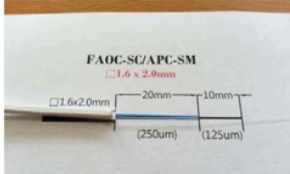
2. Insert boot to cable



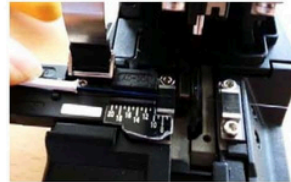
3. Remove outer jacket about 40mm



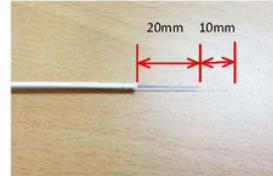
4. Strip out UV coating after 2cm



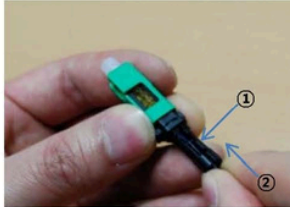
5. Cut the fiber with cleaver



6. Check the length of fiber



7. Insert the fiber to connector



8. Make sure fiber bending



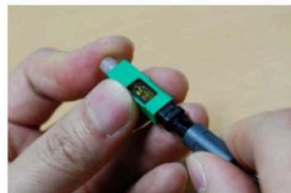
9. Remove cover Jig



10. Press the button (Yellow cover)



11. Lock the boot

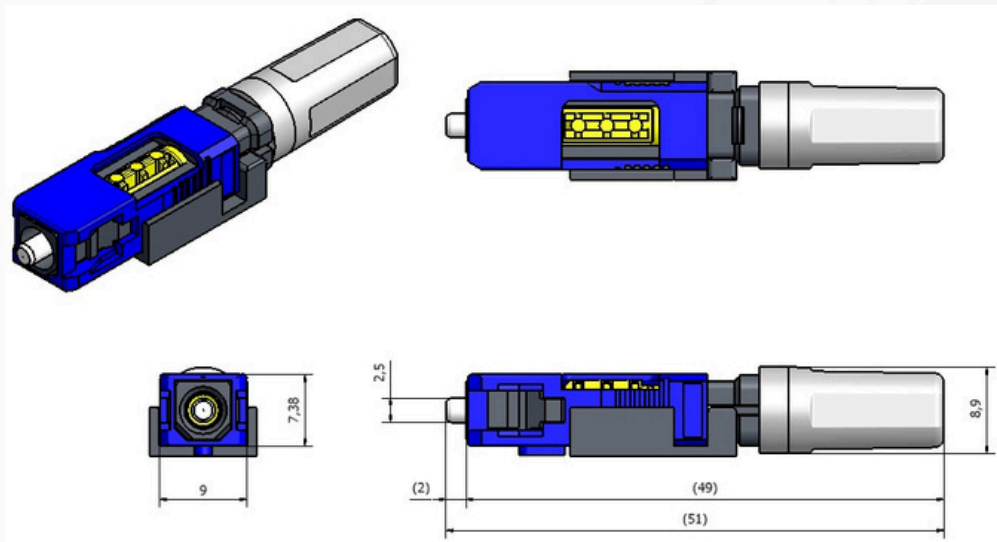


12. Completion to assemble



7. Configuration

- 3.0mm (Round) type



- 2.0mm X 3.0mm (Flat) type

