

Fiber Optic Fast Connector FSC-UPC-02 / FSC-APC-02



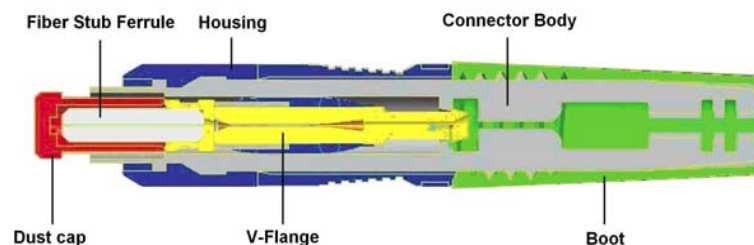
Product Description

The FSC-UPC-02 and FSC-APC-02 fast connectors adopt the latest termination technology, providing fast and reliable mechanical splicing.

Features

- ◆ With fiber stub and polished ferrule pre-mounted
- ◆ The termination requires no glue or polishing, requires no unique installation tools
- ◆ Easy and quick assembly, less than 3 minutes
- ◆ Support repeat assembly and disassembly no less than 5 times
- ◆ Long duration design, supports 25 years service
- ◆ Low Insertion Loss (Ave. 0.25dB) and high Return Loss

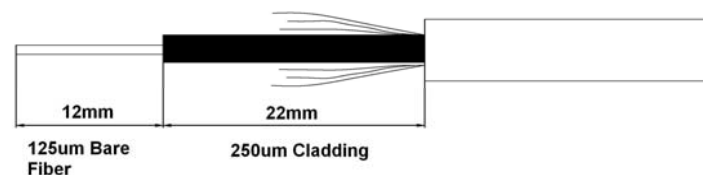
Connector Structure



Assembly Procedure

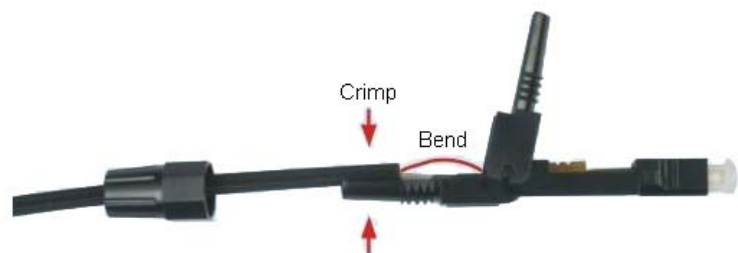
Tools: The fast connector assembly only requires standard fiber tools like fiber cable stripper, cladding stripper and the cleaver and fiber cleaning material like tissues.

1, Slide the drop cable into the boot, and strip the fiber referring to following illustration picture.



2, Clean the fiber, slide in the prepared fiber cable to make the fiber tip contact with the embedded fiber tip, then slightly push the fiber and crimp the fiber when it bend a little.





3, Push forward the crimp ring then switch down the clip.



4, Screw up the boot and put on the housing to complete the assembly.



Disassembly Procedure

The fast connector allows assembly and disassembly for no less than 5 times

- 1, Get off the dust cap and pull off the housing
- 2, Pull back the crimp ring to release the fiber
- 3, Screw out the boot and pull off the fiber

Technical Data

ITEM	Technical Parameters
Applicable for	Drop cable. Indoor cable 2x3mm
Optical fiber diameter	125 μ m (G.657A)

Tight buffer diameter	250 μ m
Fiber mode	Single mode
Insert loss	≤ 0.5dB (1310nm & 1550nm)
Return loss	≤ -45dB (UPC) ≤ -55dB (APC)
Fastening strength of naked fiber	>5 N
Fastening strength of naked fiber holder	>10 N
Tensile strength	>50 N
Using temperature	-40 ~ +75℃
On-line tensile strength (20 N)	Δ IL ≤ 0.5dB Δ RL ≤ 5dB
Mechanical durability (500 times)	Δ IL ≤ 0.5dB Δ RL ≤ 5dB
Drop-off test (drop-off height 4m, once per direction, totally 3 times)	Δ IL ≤ 0.5dB Δ RL ≤ 5dB

The shipped connectors are under 100% inspection of the Insertion Loss and Return Loss and ferrule end face.

Cautions

- 1, Outdoor termination require to protect the connector and fiber from dusts
- 2, Wear eye glasses and gloves to avoid the hurting by the fiber scraps
- 3, Avoid direct exposure to the laser beam whenever