

SC/PC-A

Field Assembly Optical Connector

The manual for assembly of FAOC

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- Thank you very much for purchasing and using FAOC Model NO. SC/PC-A.
- Here are a few suggestions to help you use it safely and efficiently.
- If you have any questions in assembling, please contact us.

Tools



Optical fiber cleaver



Optical cable stripper



Fiber-optic stripper

Details



Housing



Connector

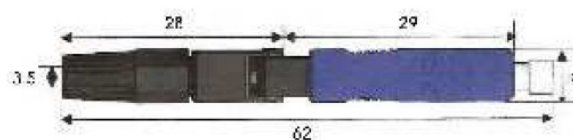


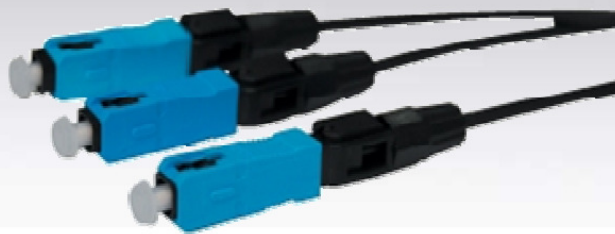
Screw cap

Specifications

Item	SC/PC-A FAOC
Insertion Loss	$\leq 0.3\text{dB}(\text{MAX}0.5)$
Return Loss	$\geq 40\text{dB}$
Code	SC/PC
Cable Diameter	3mm
Tensile Strength	$> 2.0\text{kg}$
Thermal Stability	0.5dB 以下 ($-40\sim+75^{\circ}\text{C}$)
Operating Temperature	$-40\sim+75^{\circ}\text{C}$

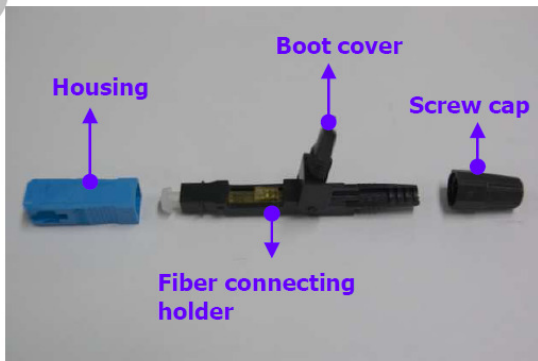
Size





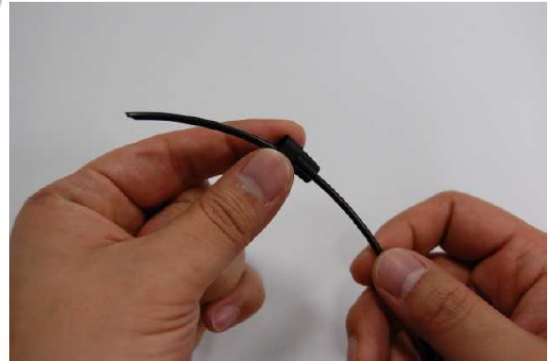
1. Procedure

1



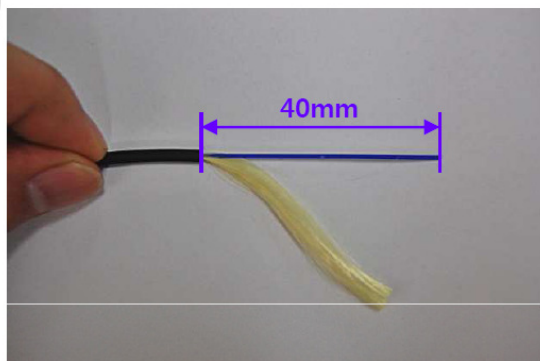
- Arrange for a FAOC to assemble.

2



- Insert screw cap into optical cable.

3



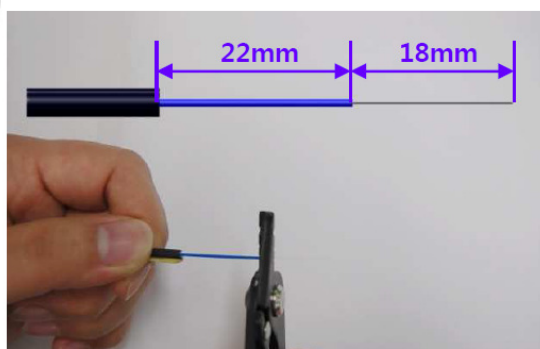
- Strip the coating of optical cable over 40mm.

4



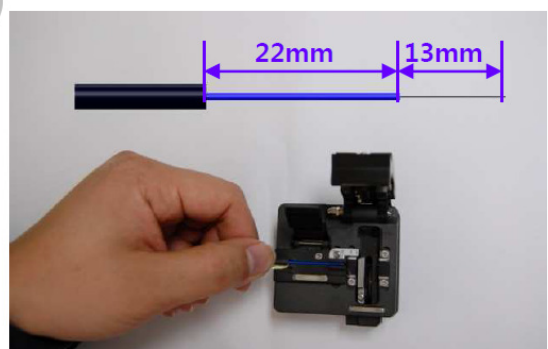
- Mark the point of 22mm length on the 900 μ m buffer using a rule on the polybag.

5



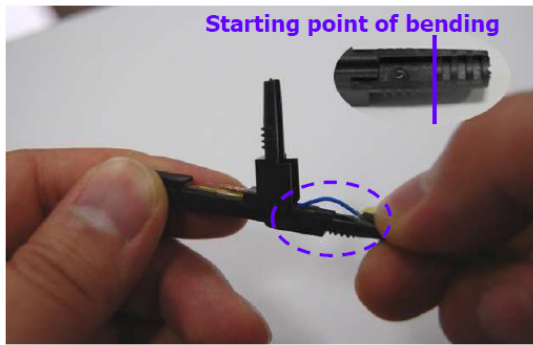
- Strip the coating of 900/250 μ m from the end of 900 μ m to the point of 22mm marked (about 18mm) and clean the fiber using the alcohol and gauze.

6



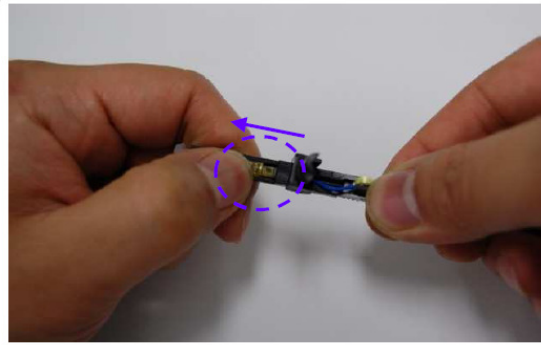
- Cut off the fiber at the length of 13mm using optical fiber cleaver.

7



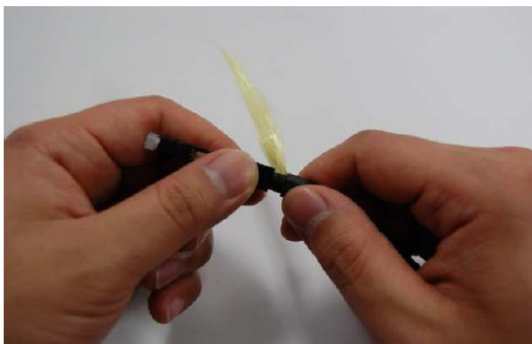
- Insert optical cable into the fiber guide on the boot. when it is checked the bending of cable as above, stop inserting,

8



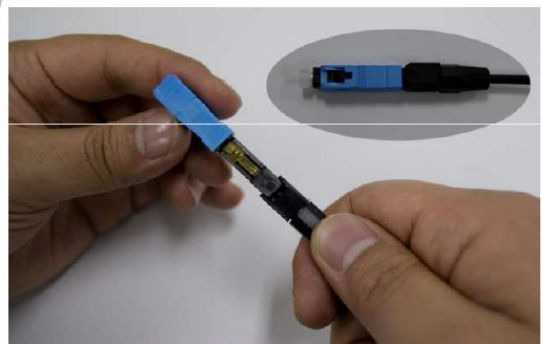
- **And** maintaining the cable bending with right hand, push the connecting holder forward to the end and fix the fiber.

9



- Take the boot cover down, connect the screw cap with boot by turning it and make the coating & strength member (yarn) fix.
- Cut the yarn with scissor and arrange it.

10



- Turn the protrusion of housing toward the bottom and unite it to the body.
- Completion.

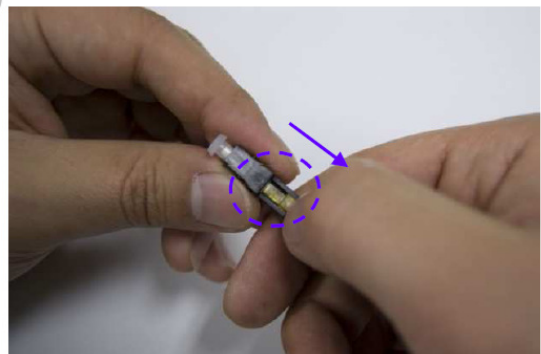
2. Reassembling

1



- Pull out the housing and then separate them by turning the screw cap

2



- Pull the fiber connecting holder in reverse with procedure 8. And then, pull out the cable and reassemble.

※ If you have any questions in assembling, please contact us.