



No Slack, Simple & Fast in FTTH Deployment

## Installation Manual

Installation  
Guide #

IG-FSOC-SC09SB-B-001

Date of  
Enactment

2023-10-04

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### Installation FSOC SC/APC 0.9mm Soft Boot with KF4A

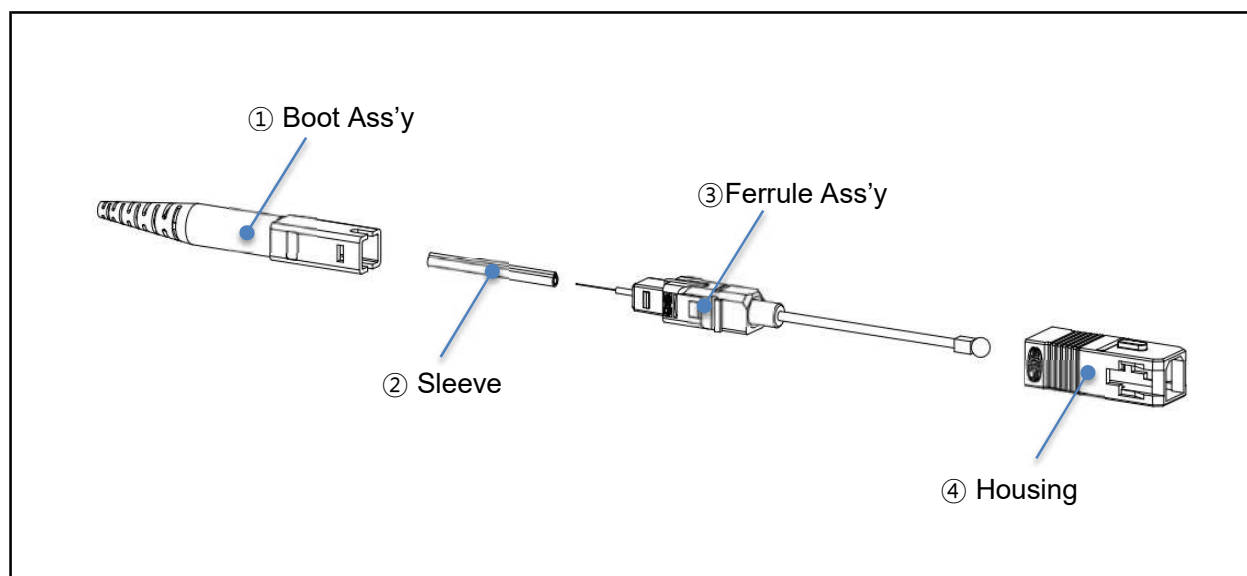
#### Contents

1. General
2. FSOC-A2-SC/APC-25-09B Configuration
3. Assembly Tools
4. KF4A(Fusion Splicer) Setting
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#### 1. General

This installation guide provides procedures for assembling for FSOC-A2-SC/APC-25-09B to 0.9mm indoor cable with KF4A All-In-One Fusion Splicer. A basic understanding of fiber handling, stripping, cleaning and splicing will be helpful.

#### 2. FSOC-A2-SC/APC-25-09B Configuration





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### 3. Installation Tools

#### 3.1 Tools for Cable Preparation

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| Scissors  | Ruler   | Marker  | Cleaning Wipes  |

#### 3.2 Tools for Fusion Splicing (Stripping & Cleaving & Heating)

|   |   |   |
|---|---|---|
|  |  |  |
| KF4A  | Holder Left<br>(HS-900)   | Holder Right<br>(HF4-SC/FC)   |

### 4. KF4A Setting

Depending on your cable, choose the appropriate settings for splice mode, stripper mode, and heater mode. When working with the FSOC-A2-SC/APC-25-09A you may need to adjust settings depending on the machine's environmental conditions.





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#### 4.1 Splice Mode

- G.657.A2 to G.657.A2 : Setting – 12. G657 A2B2
- G.652.D to G.652.D : Setting – 1. SM ITU-T G652
- G.652.D to G.657.A2 : Setting – 18. G652-G657 A2B2

#### 4.2 Heater Mode for HFSOC with 21mm Sleeve

- Setting – 10. S09-C 22x1.6x2.9
- Detail - Heating Time : 40~60 seconds / Heat Temp. : 180~190 Degree

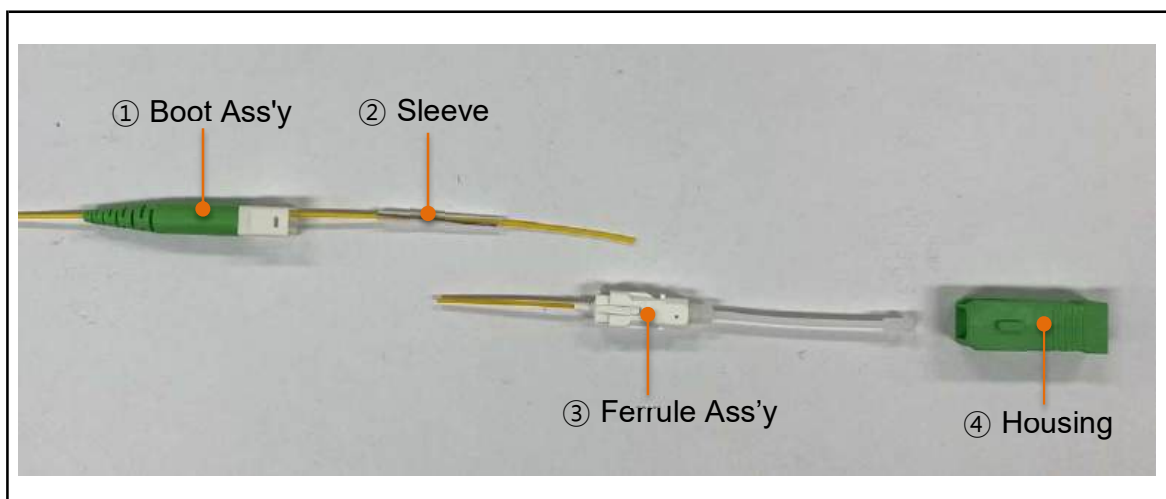
#### 4.3 Stripper Mode

- Setting – 2. 0.9
- Detail - Stripping Time : 2 seconds / Stripping Temp. : 135 Degree

### 5. Installation Procedure

#### 5.1 Cable(0.9mm) Preparation.

- 5.1.1 Insert components in order. First boot and sleeve.  
Prepare ferrule Ass'y and frame.





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5.1.2 Insert components in order, Rear frame assembly and sleeve. Measure and mark 30mm from end of 0.9mm cord



5.1.2a



5.1.2b

5.1.3 Insert the sleeve and place the 0.9mm fiber in the holder (HS-900) as follows.



5.1.3a



5.1.3b



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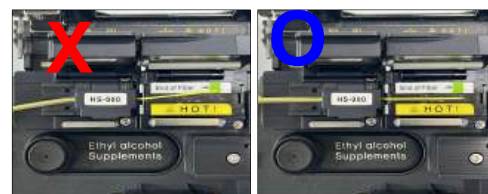
## 5.2 Fusion Splicing (Include Stripping and Cleaving)

### 5.2.1 Stripping

a. Turn on the power of stripper.



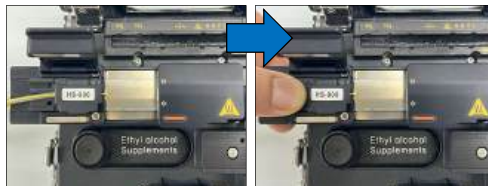
b. Mount the fiber holder to the auto-stripper. Make sure 0.9mm fiber should be placed on the center of heater.



c. Close left cover first then right cover. On closing right cover, stripping process is activated automatically.



d. After Stripping is completed, open the left cover.



e. Remove the holder sliding back not lift it up to avoid damage on the fiber.



f. When the right cover is opened, the left part returns to its original position. Use a brush to clean the blade and hot plate area.





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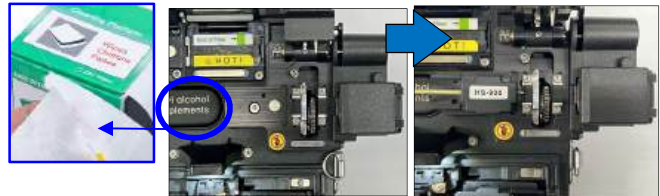
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### Installation FSOC SC/APC 0.9mm Soft Boot with KF4A

#### 5.2.2 Cleaving

- a. Clean the optical fiber using an alcohol-soaked fiber wipe. Open the cover of the cleaver and trash bin. Mount the holder on the cleaver slot.



- b. Close the covers and press the actuation button, and carefully remove the holder with sliding it back.



#### **[Caution]**

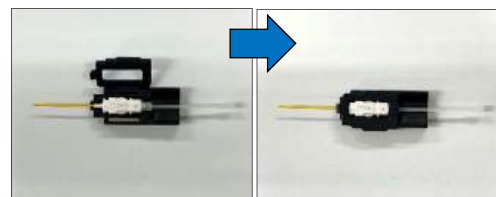
***Lifting the holder after cleaving may damage the fiber.***



- c. Mount the fiber holder into the splicer. Fiber should be in the v-groove and fix the cable on the cable guide. (Close the left cover)



- d. Please go through the same process for the subassembly. (Stripping to Cleaving)



- e. Mount the subassembly holder into the splicer.







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#### 5.2.3 Splicing

- a. Close the wind cover after ensuring that both holders are in place. When wind cover is closed, the splice will be executed automatically.



- b. Splicer will pause for viewing of the splice parameters.



- c. After successfully splicing, the splicer automatically performs a tensile test when the door of the splicer is opened. Please DO NOT interrupt this test.



- d. Carefully open the holder cover, hold both sides and lift it up carefully.

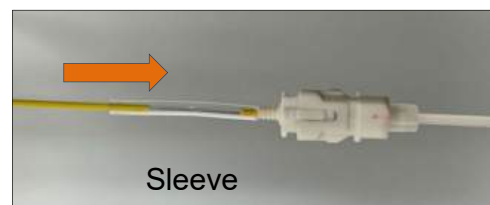


#### **[Tip]**

**To prevent damage to the spliced fiber, open the left side covers while pressing(holding) the cable, and hold the ferrule cap while opening the right side holder cover.**



- e. Slide sleeve over the splice carefully to the end of the subassembly.





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- f. Open the heater cover. Locate the connector and sleeve area and place the sleeve within appropriate heating area. Close the right heater cover first, then the main heater cover.  
If the auto heater function is on, it will run automatically. If not, press the heater button to run it.



- g. Open the heater cover, hold both ends and lift straight off the heater.



### 5.3 Assembly with housing kit

#### 5.3.1 Frame Assembly

: Slide boot ass'y up to the ferrule ass'y.



5.3.1a



5.3.1b

#### 5.3.2 Housing Assembly

: Assemble the boot and housing



5.3.2a



5.3.3b

-End of Document-