Contents

1. General

This installation guide provides procedures for assembling for FSOC-A2-SC/UPC-32-HB-2030A to 3.0(2.0)mm 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/UPC-32-HB-2030A Configuration
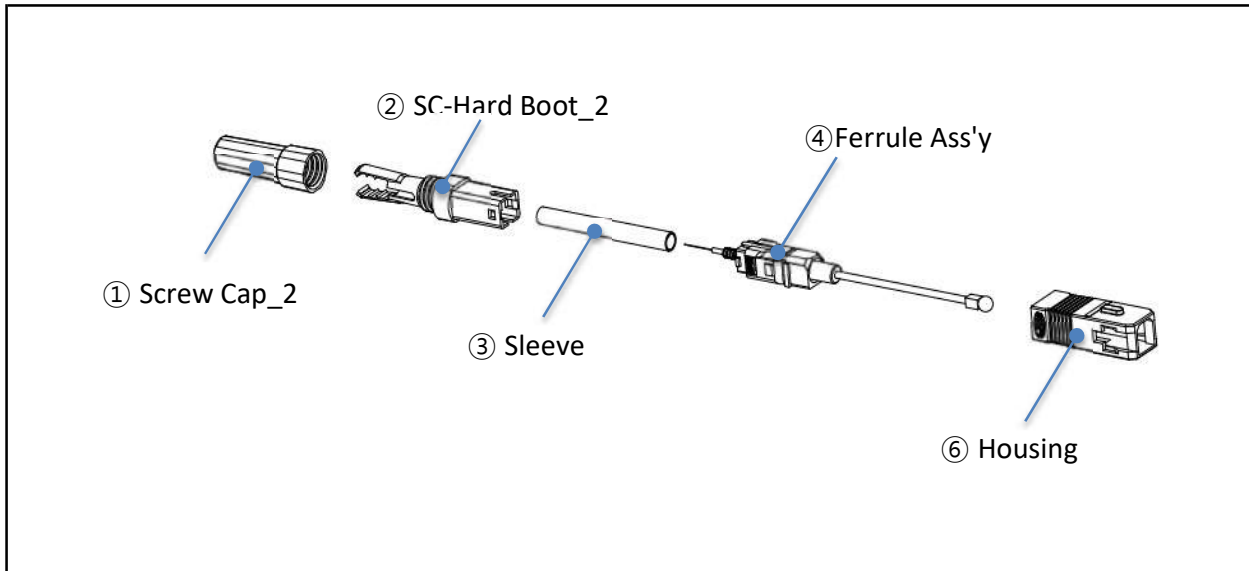
② SC-Hard Boot_2
④ Ferrule Ass'y
① Screw Cap_2
③ Sleeve
⑥ Housing

3. Installation Tools
3.1 Tools for Cable Preparation

Jacket Stripper (ST-5020)	Snipper	Ruler	Cleaning Wipers

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

KF4A	Holder Left (HS-IN)	Holder Right (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/UPC-32-HB-2030A, you may need to adjust settings depending on the machine's environmental conditions.
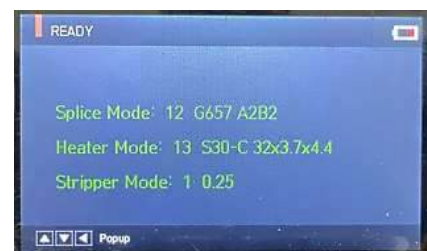
READY
Splice Mode: 12 G657 A2B2
Heater Mode: 13 S30-C 32x3.7x4.4
Stripper Mode: 1 0.25
▲ ▼ ◄ Popup

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 – 13. S30-C 32x3.7x4.4
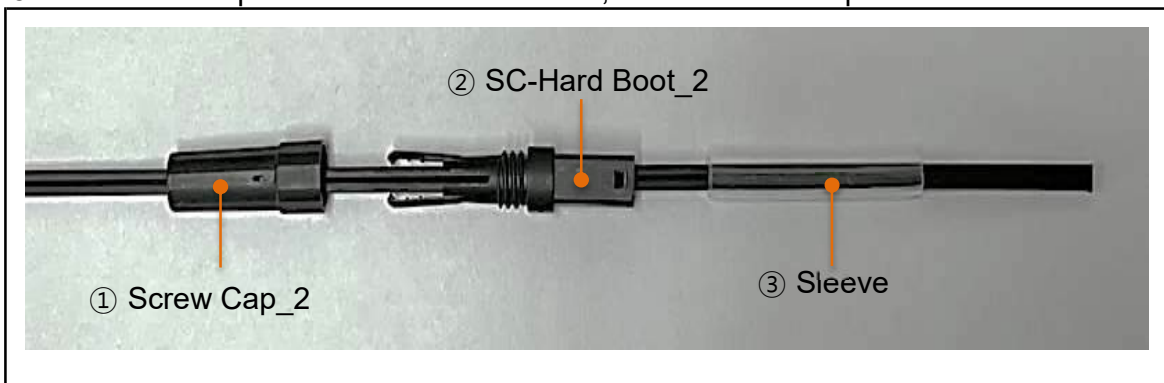- Detail - Heating Time : 40 seconds / Heat Temp. : 160 Degree

4.3 Stripper Mode
- Setting – 2. 0.25
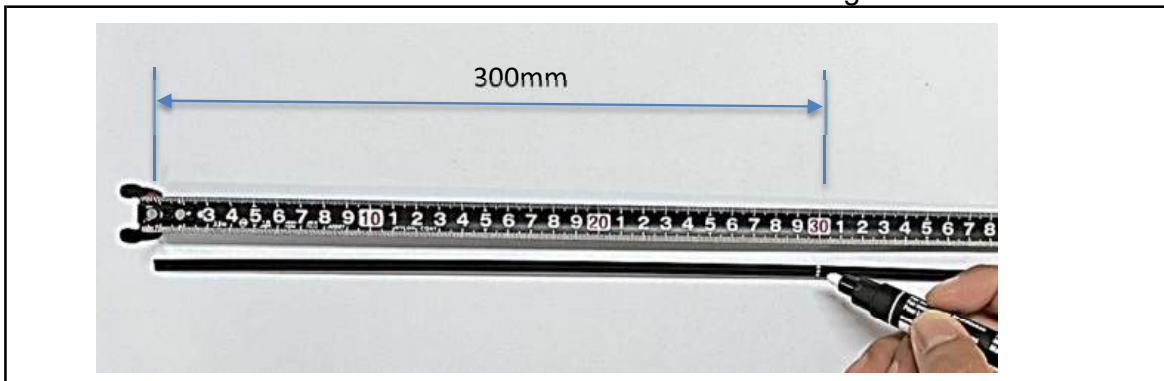- Detail - Stripping Time : 2 seconds / Stripping Temp. : 150 Degree

5. Installation Procedure
5.1 Cable(5.0X2.0mm) Preparation.
5.1.1 Insert components in order. First boot, frame and cable protection tube

② SC-Hard Boot_2

① Screw Cap_2

③ Sleeve

5.1.2 Measure and mark 300 mm from end of fiber cable using a ruler.
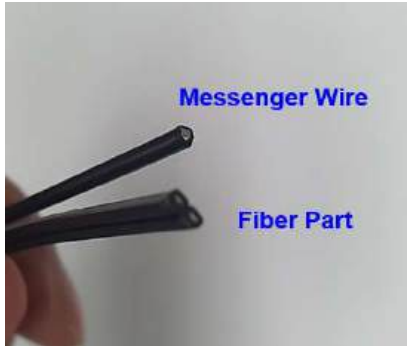

300mm

5.1.3 Separate the cable into messenger wire part and fiber part
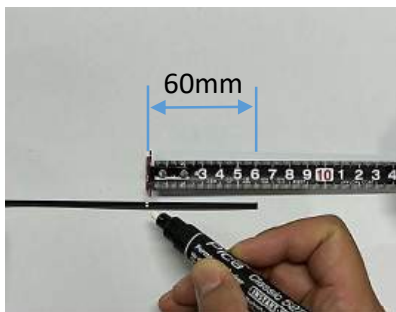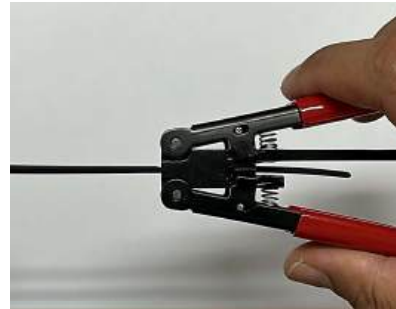then cut the messenger wire at marking point(300mm).

5.1.3a

5.1.3b

5.1.4 Measure and mark at 60mm away from the end of the fiber cable using a ruler
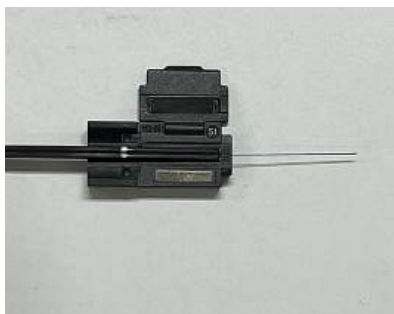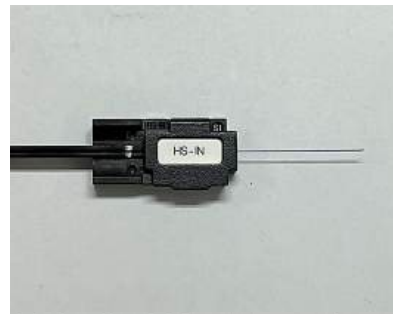and Remove the outer jacket using the jacket stripper.

5.1.4a

5.1.4b

5.1.5 Place 0.25mm fiber on the holder (HS-IN) as follows.

5.1.5a

5.1.5b

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 0.25mm 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.
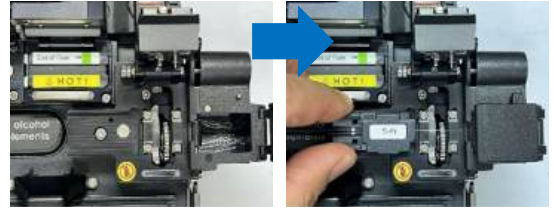
5.2.2 Cleaving

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.
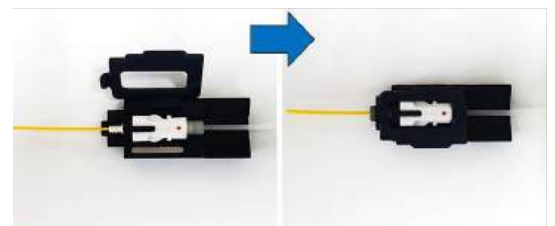

[Caution]
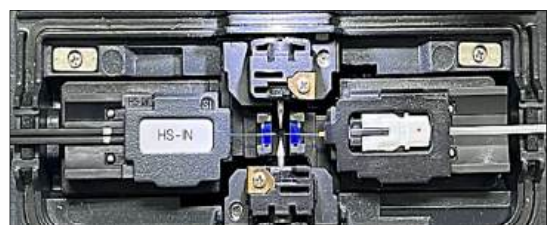*Lifting the holder after cleaving may damage the fiber.*

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.

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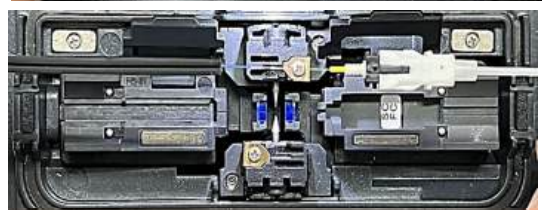
f. Open the heater cover. Locate the connector and sleeve area and place the sleeve within appropriate heating area. Close the right heater cover first, then the main heater cover.
If the auto heater function is on, it will run automatically. If not, press the heater button to run it.

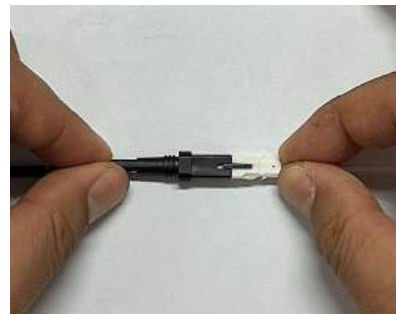g. Open the heater cover, hold both ends and lift straight off the heater.
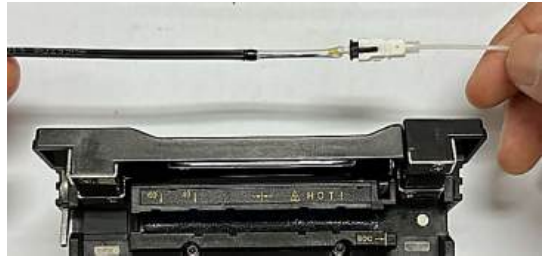
5.3 Assembly with housing kit
5.3.1 Assemble the hard boot and ferrule ass'y.

5.3.1a

5.3.1b
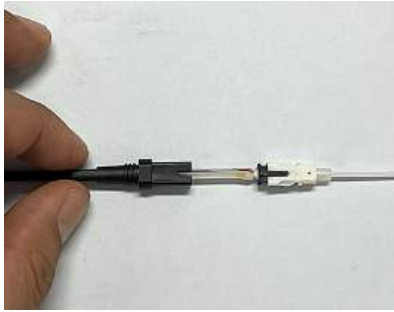
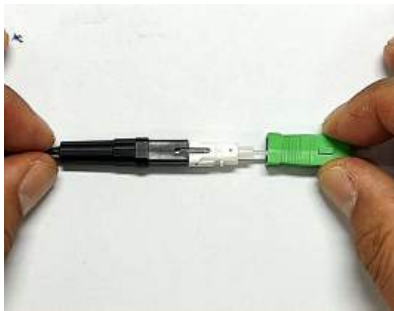5.3.2 Tighten the screw cap and hard boot securely.

5.3.2a

5.3.2b

5.3.3 Assemble the housing on the connector body.

5.3.3a

5.3.3b

-End of Document-