



## For your safety operation

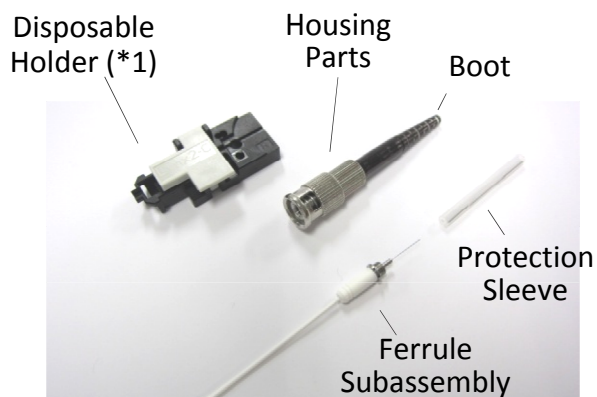
The Lynx-CustomFit® Splice-On Connector is designed and manufactured to assure personal safety. Improper operation can result in bodily injury and serious damage to this product. Please read and observe all warnings instructions given in this operation manual.

- Wear safety glasses** to protect your eyes when handling optical fiber.
- Never look into** the end of a microscope or optical cable connected to an optical output device that is operating. Laser radiation is invisible, and direct exposure can severely injure the human eye.
- Alcohol is flammable**, causes irritation and is harmful if swallowed or inhaled. Keep alcohol away from heat, sparks, skin, and avoid contact with eyes.
- In the case of the work at the high place, please be careful not to drop an assembling tool.

## Precautions

1. Improper assembly will result in a loss of performance. **Please read instructions** given in this operation manual and the operation manual of the fusion splicer.
2. **Never touch the fiber of the stub**. It has been inspected in the factory.
3. The product is sensitive to dirt or dust. Do not take out any parts from the package **until it is to be used**.
4. The characteristic will be influenced by the fiber cleaved surface condition. Please use a cleaver which has a good cleaving characteristic.
5. Do not remove the dust cap **until the connector has been completely assembled** in order not to cause a high insertion loss due to them.

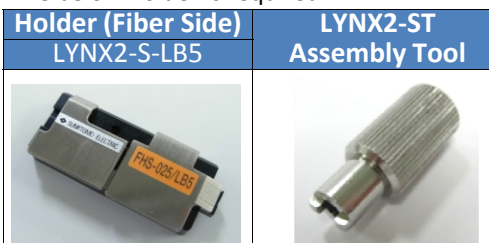
## Composition



(\*1) 1 pc / 100 connectors

## Assembling Tools

The below holder is required.



Below equipment or tool are examples.



## Recommended Program

Splicer	Fiber	Splicing Program	Heater Program
T-25eS	SMF	SM1: SMF1C	Lynx or FPS (60mm)
	MMF	MM1: MMF1C	
T-39FH	SMF	LYNX-SM	Lynx or FPS (60mm)
	MMF	LYNX-MM	
T-Q101-CA (T-71C)	SMF	Standard SMF	Lynx or 60mm 0.9
	MMF	MMF 50&62.5	

SMF : G.652, G.657

MMF : MM50(OM2), MM50(OM3), MM50(OM4), MM62.5(OM1)

- Please perform Arc test prior to the splicing operation. (See the operation manual of the splicer.)
- \*Fiber for testing is not included in the kit.
- Please check fiber type inside the field fiber.

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## (A) Set Fusion Condition



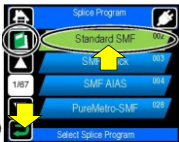
Push "power key" for more than 1 sec.



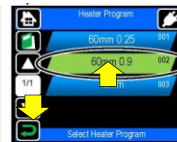
"Main Menu" Select Fiber Type



Select "Fiber Type", then "Return".

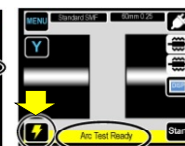


"Main Menu" Select Sleeve Type



Select Sleeve Type Then "Return"

## (B) Perform Arc Test



Select "Arc Test"

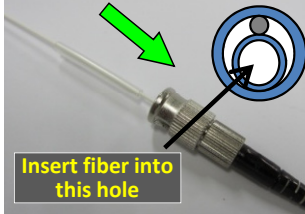
Then perform the arc test according to the instruction.  
\*Fiber for testing is not included in the kit.  
Please check fiber type inside the field fiber.

See the operation manual of each splicer. These are the example of T-Q101-CA (T-71C).

(1) Slide Housing Parts onto the fiber.

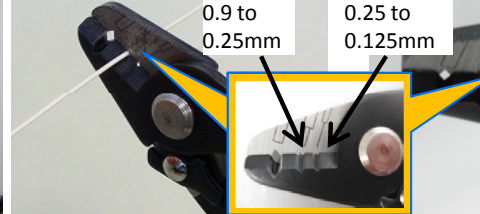


(2) Slide Protection Sleeve onto the fiber.



Insert fiber into this hole

(3) Remove secondary coating. Approx. 40mm (JR-M03)



0.9 to 0.25mm

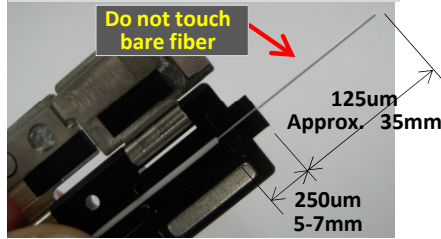
0.25 to 0.125mm

(4) Remove primary coating. Approx. 35mm (JR-M03)



Moistened with alcohol

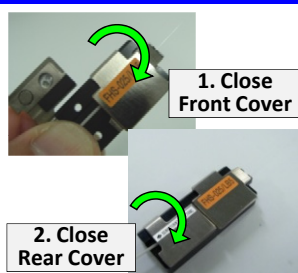
(6) Set the fiber on the holder.



Do not touch bare fiber

125um  
Approx. 35mm

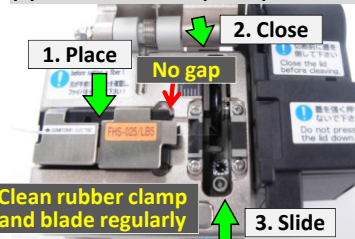
250um  
5-7mm



1. Close Front Cover

2. Close Rear Cover

(7) Cleave the fiber (FC-6S)



1. Place

2. Close

No gap

3. Slide

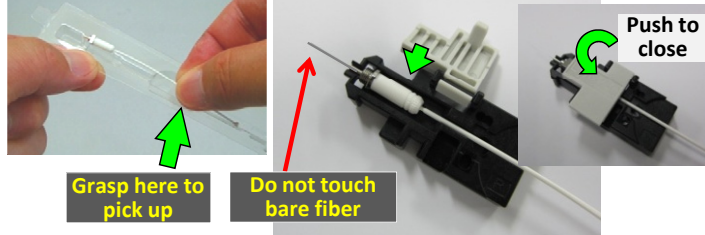
Clean rubber clamp and blade regularly

(8) Set fiber holder on the splicer (left side).



Place fiber on V-groove gently

(9) Pick up the stub and set the stub on the plastic holder.



Grasp here to pick up

Do not touch bare fiber

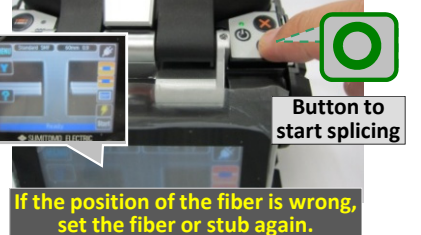
Push to close

(10) Set stub holder on the splicer (right side).



Place fiber on V-groove gently

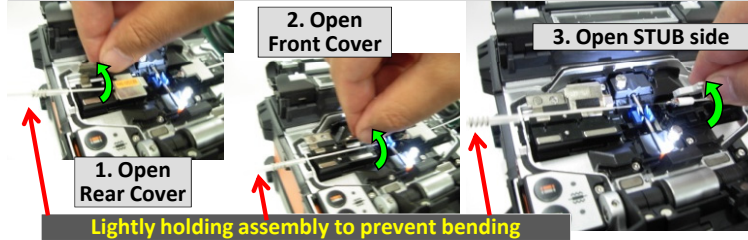
(11) Fusion Splice.



Button to start splicing

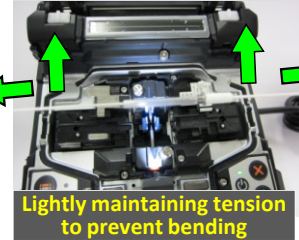
If the position of the fiber is wrong, set the fiber or stub again.

(12) Open the stub and fiber holders.



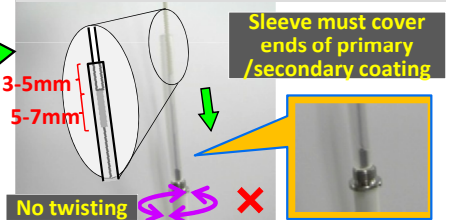
1. Open Rear Cover  
2. Open Front Cover  
3. Open STUB side  
Lightly holding assembly to prevent bending

(13) Pick up the spliced fiber.



Lightly maintaining tension to prevent bending

(14) Slide Protection until it covers the projection of the flange.

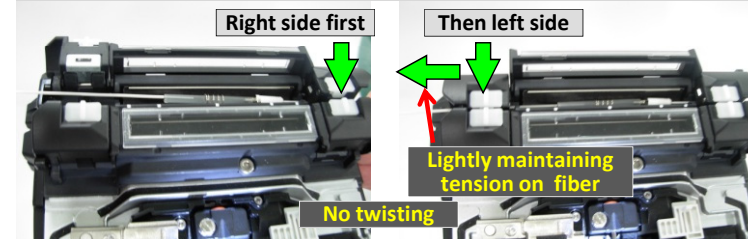


Sleeve must cover ends of primary / secondary coating

3-5mm  
5-7mm

No twisting

(15) Set Sleeve into the heater.

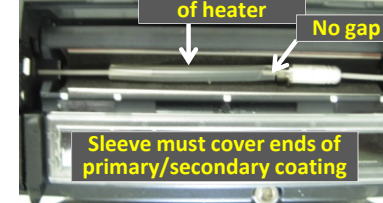


Right side first

Then left side

Lightly maintaining tension on fiber  
No twisting

(16) Confirm the position before heating.



Sleeve at center of heater

No gap

Sleeve must cover ends of primary/secondary coating

(17) Heat Protection Sleeve.



Button to start heating

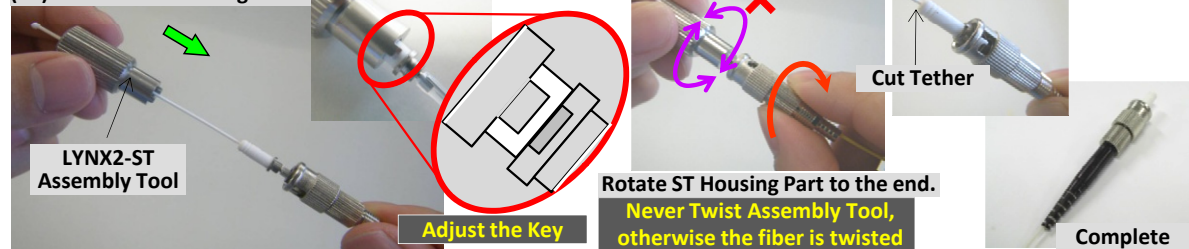
Lynx heater program runs a fan to cool the sleeve after heating

(18) Pick up Sleeve.



Be careful for hot sleeve, spring and flange even after the cooling by fan.

(19) Put Ferrule on Flange.



LYNX2-ST Assembly Tool

Adjust the Key

Rotate ST Housing Part to the end. Never Twist Assembly Tool, otherwise the fiber is twisted

Cut Tether

Complete