ETK1123082D

Lynx-CustomFit® Splice-On Connector Ver. 2
- LYNX2-LC for 900um Loose Buffered Fiber -
Installation Manual

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.

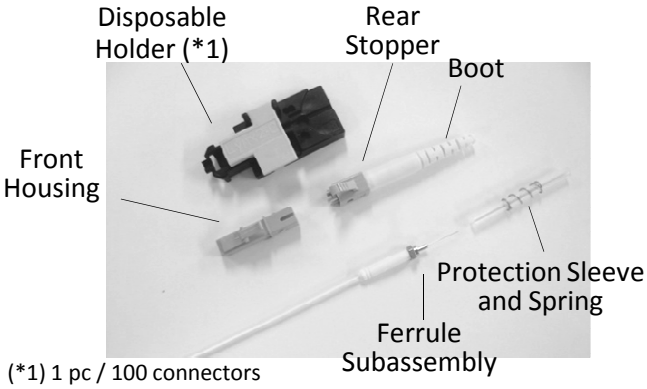
⚠ Alcohol is flammable, causes irritation and is harmful if swallowed or inhaled. Keep alcohol away from heat, sparks, skin, and avoid contact with eyes.

⚠ 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 an high insertion loss due to them.

Composition



(*1) 1 pc / 100 connectors

Recommended Program

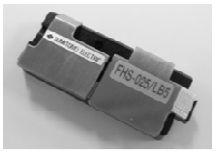
Splicer	Fiber	Splicing Program	Heater Program
T-Q101-CA (T-71)	SMF	SMF Standard	Lynx
	MMF	MMF Standard	
T-QH201e (T-201)	SMF	SMF Standard	Lynx
	MMF	MMF Standard	

SMF : G.652, G.657
MMF : MM50(OM2), MM50(OM3), MM50(OM4), MM62.5(OM1)

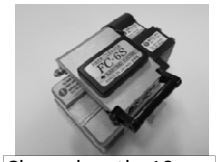
Assembling Tools

The below holder is required.

Holder (Fiber Side)
LYNX2-S-LB5



Below equipment or tool are examples.

Fusion Splicer T-Q101-CA, etc.	Fiber Cleaver FC-6S-C, etc.	Jacket remover JR-M03, etc.
Holder Type	 Cleave length: 10mm	

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.

North Carolina (USA)
Sumitomo Electric Lightwave Corp.
78 Alexander Drive, P.O. Box 13445, RTP, NC 27709
TEL +1-919-541-8100
http://www.sumitomoelectric.com/

London (UK)
Sumitomo Electric Europe Ltd.
220 Centennial Avenue, Elstree, Herts. WD6 3SL, UK
TEL +44 (0)20-8953-8118
http://www.sumielectric.com/

Yokohama (Japan)
Sumitomo Electric Industries, Ltd.
(Lightwave Network Products Division)
1, Taya-cho, Sakae-ku, Yokohama 244-8588, Japan
TEL +81-45- 853-7223, http://global-sei.com/fttx/

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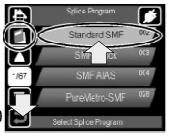
LYNX2-LC for 900um Loose Buffer
Assembly Procedure

ETK1123082D

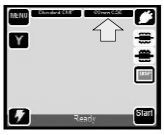
(A) Set Fusion Condition

Push "power key" for more than 1 sec.

"Main Menu" Select Fiber Type



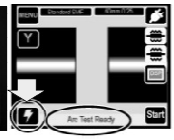
Select "Fiber Type", then "Return".



"Main Manu" Select Sleeve Type

Select Sleeve Type Then "Return"

(B) Perform Arc Test

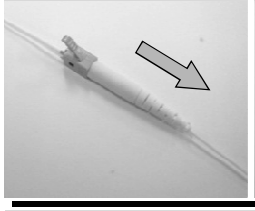


Select "Arc Test"

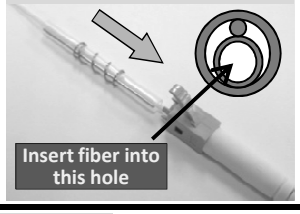
Then perform the arc test according to the instruction.
*Fiber for testing is not included in the kit.
Please check fiber type inside the field fiber.

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

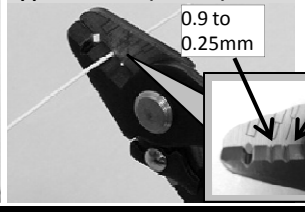
(1) Slide Rear Parts onto the fiber.



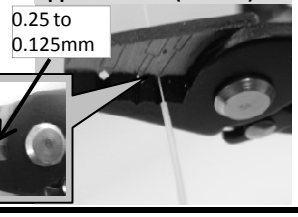
(2) Slide Protection Sleeve onto the fiber.



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

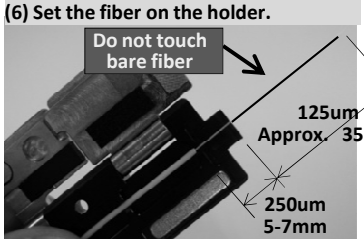


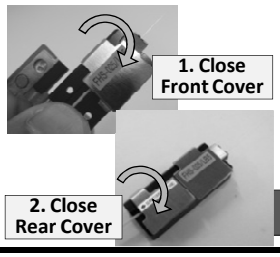
(4) Remove primary coating. Approx. 35mm (JR-M03)



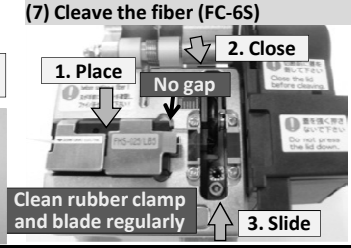
(5) Clean the fiber with lint-free cleaning wipe.

(6) Set the fiber on the holder.



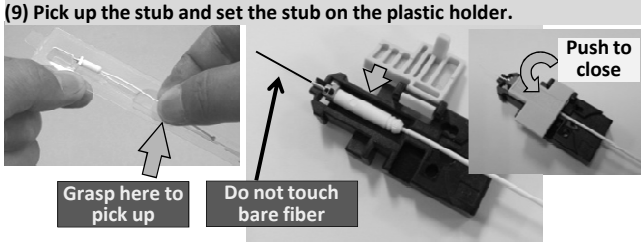


(7) Cleave the fiber (FC-6S)

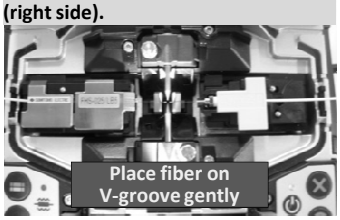


(8) Set fiber holder on the splicer (left side).

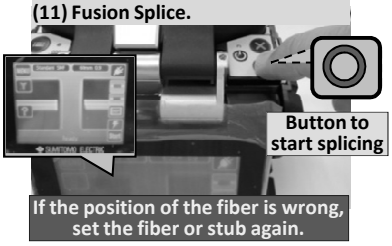
(9) Pick up the stub and set the stub on the plastic holder.



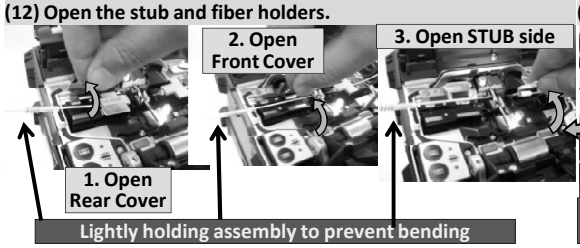
(10) Set stub holder on the splicer (right side).



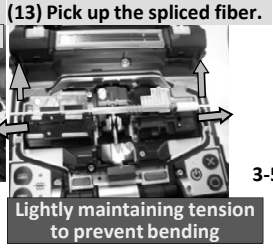
(11) Fusion Splice.



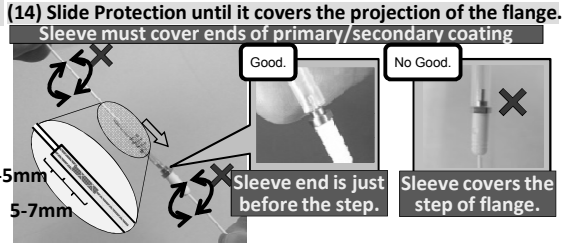
(12) Open the stub and fiber holders.



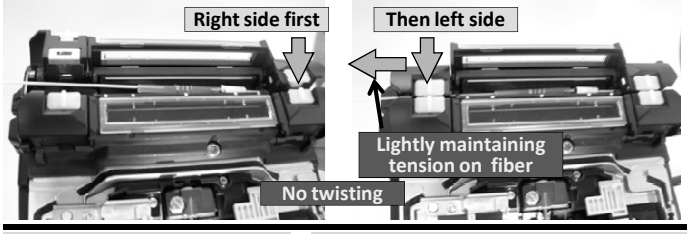
(13) Pick up the spliced fiber.



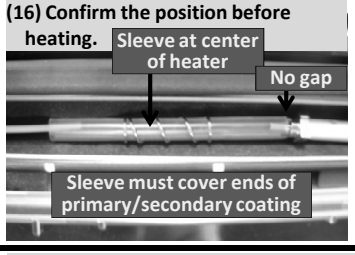
(14) Slide Protection until it covers the projection of the flange.



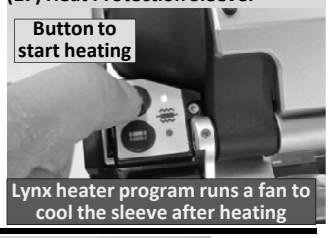
(15) Set Sleeve into the heater.



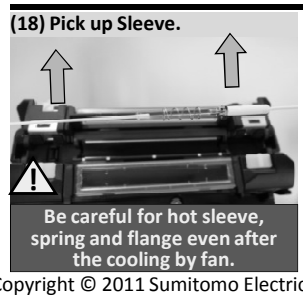
(16) Confirm the position before heating.



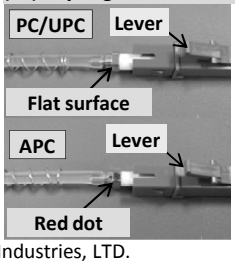
(17) Heat Protection Sleeve.



(18) Pick up Sleeve.



(19) Key Alignment.

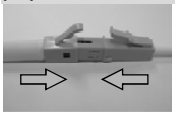


Flange Design

4 directions available

1 direction only

(20) Put the front housing into the rear stopper.



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ETK1123082D

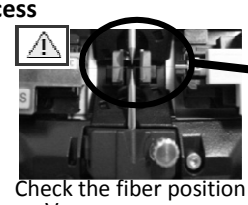
- Attention of the installation manual-

Legend ⚠ Caution Refer to this manual and operate to correctly.

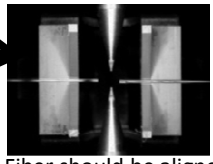
⊘ Prohibition False operation. Do not perform!

Point ① Fiber installation process

Place the fiber



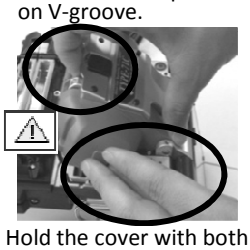
Check the fiber position on V-groove.



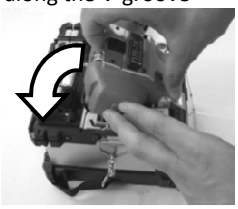
Fiber should be aligned along the V-groove

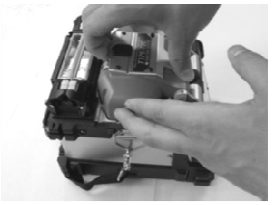
Do not place the out of V-groove or the fiber tends to break.

Close the cover



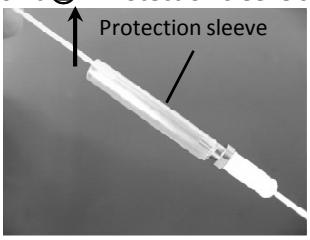
Hold the cover with both hands and close gently.



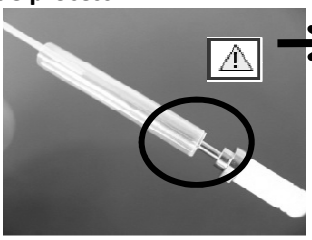


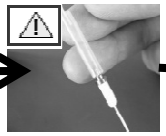
Do not stomp the cover or the fiber tends to broken

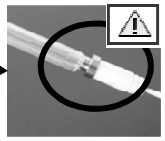
Point ② Protection sleeve slide process



Raise the fiber end up so that the protection sleeve slides accordingly.

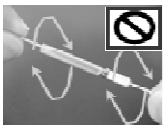






Pick the sleeve to adjust position.

Do not shake!

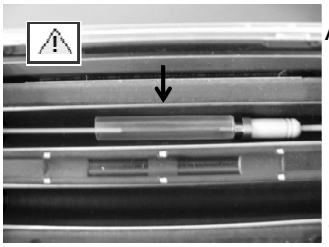


Do not twist!

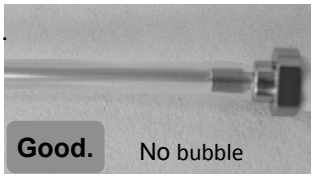
In case protection sleeve sticks on the flange.

The fiber will **break** by stress.

Point ③ Protection sleeve set position

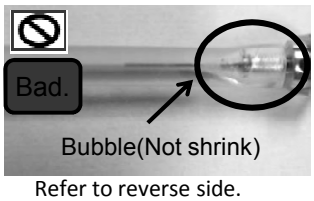


After heating.



Set the protection sleeve **at center of heater**.

If protection sleeve do not set at center.



Refer to reverse side.

The fiber will **break** by stress.

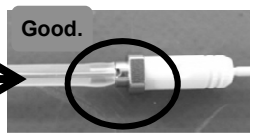
Point ④ Protection Sleeve's Shrink Condition

SC

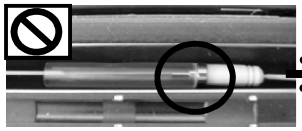
FC

LC

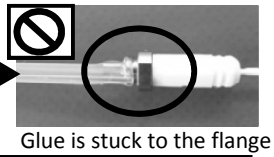
Flange's step is exposed



Flange's step is exposed



No gap to flange between sleeve.



Glue is stuck to the flange

If Protection Sleeve have the bad condition.
Please **retry** using the another new LYNX connector.

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