ETK1323088B

Lynx-CustomFit® Splice-On Connector Ver. 2
- LYNX2-SC for Optical Cord with Tight 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.

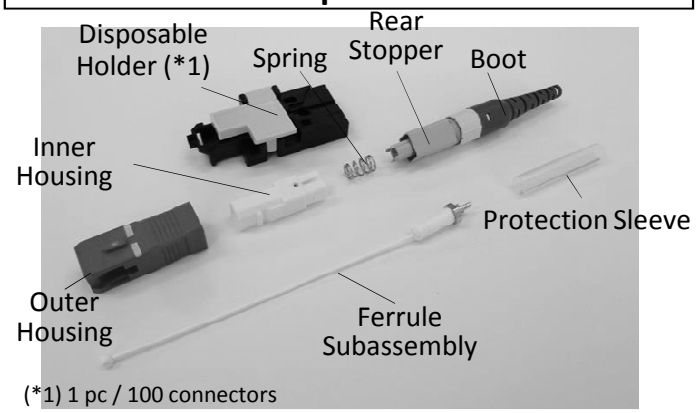
⚠ Alcohol is flammable, causes irritation and is harmful if swallowed or inhaled. Keep alcohol away from heat, sparks, skin, and avoid contact with eyes.

⚠ 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

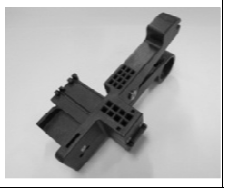
Recommended Program

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

Below tools are required.

Fiber Holder LYNX2-UML-S	**Cord Tool** LYNX2-CORDTOOL
	

Below equipments or tools are examples.

Fusion Splicer T-Q101-CA, etc.	**Fiber Cleaver** FC-6S-C, etc.	**Jacket remover** JR-M03, etc.	**Kevlar Cutter**
 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/

LYNX2-SC for Optical Cord with Tight Buffered Fiber

Assembly Procedure

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(A) Set Fusion Condition

Push "power key" for more than 1 sec.

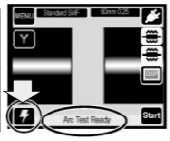
"Main Menu" Select Fiber Type

Select "Fiber Type", then "Return".

"Main Manu" Select Sleeve Type

Select Sleeve Type Then "Return"

(B) Perform Arc Test

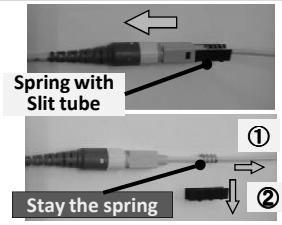


Select "Arc Test"

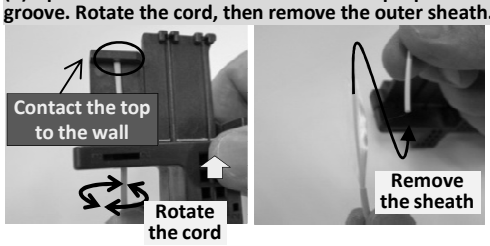
Then perform the arc test according to the instruction.
*Fiber for testing is not included in the kit.
Please check fiber type inside the field fiber.

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

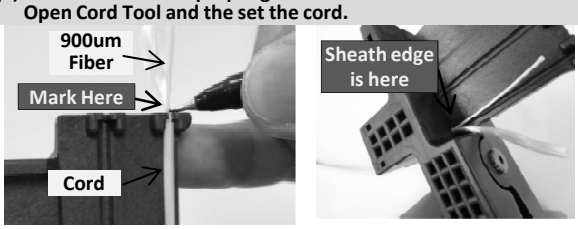
(1) Slide Rear Parts and remove the Slit tube.



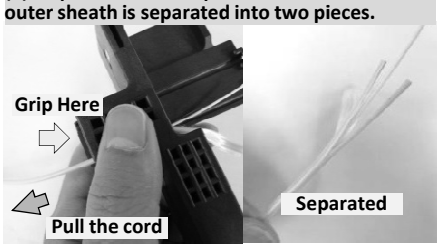
(2) Open Cord Tool and set the cord on the proper groove. Rotate the cord, then remove the outer sheath.



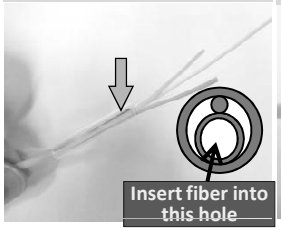
(3) Set the cord on the proper groove. Mark on the 900um fiber. Open Cord Tool and the set the cord.



(4) Grip Cord Tool and pull the cord. Then the outer sheath is separated into two pieces.

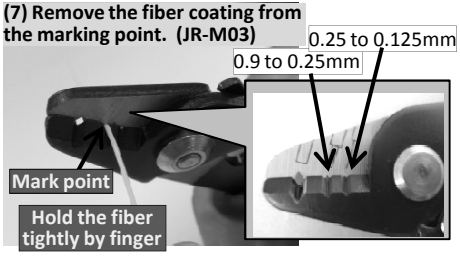


(5) Slide Protection Sleeve onto the cord.



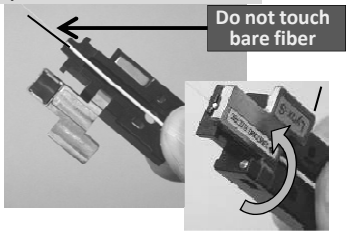
(6) Cut the Kevlar.

(7) Remove the fiber coating from the marking point. (JR-M03)

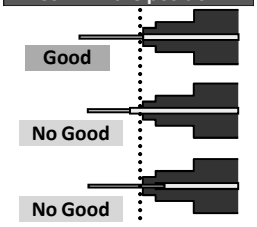


(8) Clean the fiber with lint-free cleaning wipe.

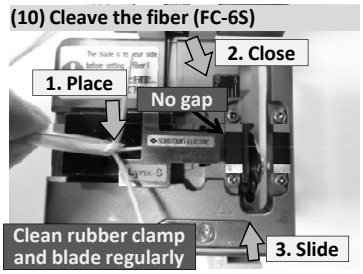
(9) Set the fiber on the holder.



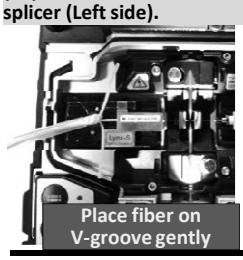
Confirm the position



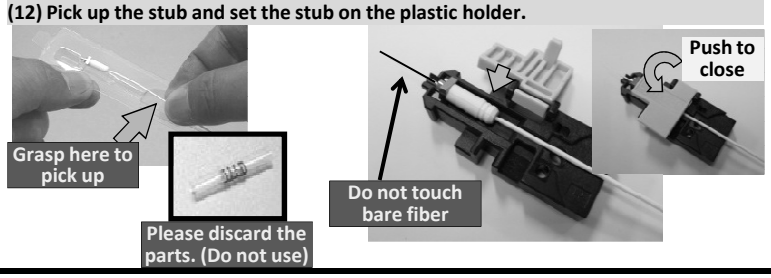
(10) Cleave the fiber (FC-6S)



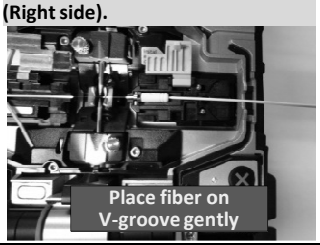
(11) Set fiber holder on the splicer (Left side).



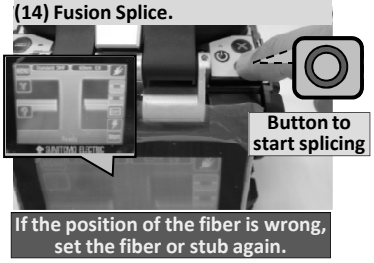
(12) Pick up the stub and set the stub on the plastic holder.



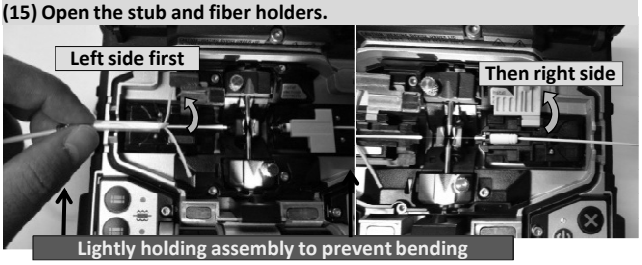
(13) Set stub holder on the splicer (Right side).



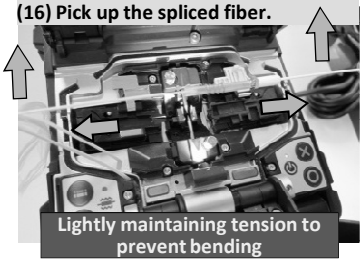
(14) Fusion Splice.



(15) Open the stub and fiber holders.



(16) Pick up the spliced fiber.



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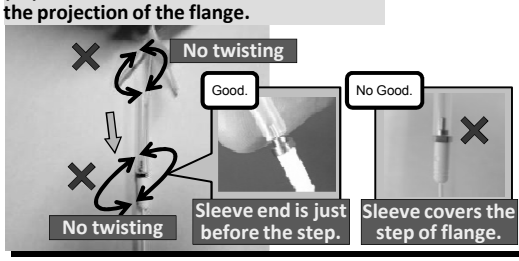
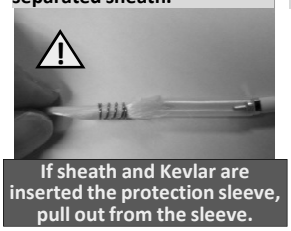
(17) Slide Protection Sleeve until it covers the projection of the flange.

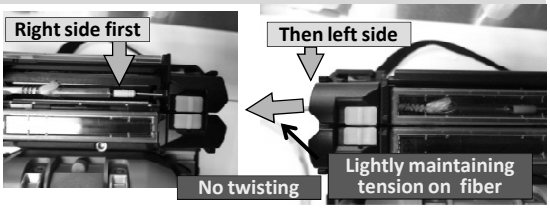


(18) Slide the spring onto separated sheath.

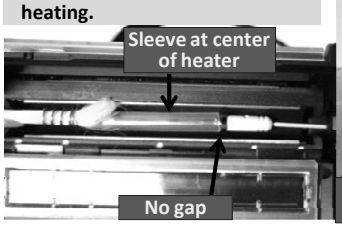


If sheath and Kevlar are inserted the protection sleeve, pull out from the sleeve.

(19) Set Sleeve into the heater.



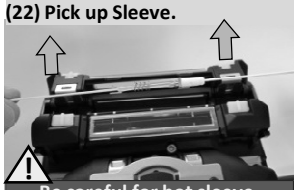
(20) Confirm the position before heating.



(21) Heat Protection Sleeve.

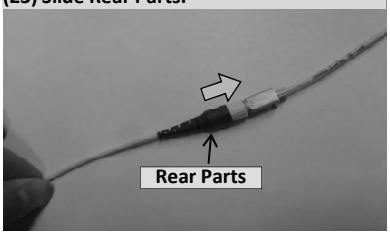
Lynx heater program runs a fan to cool the sleeve after heating

(22) Pick up Sleeve.

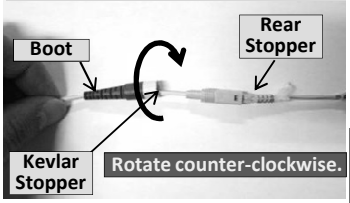


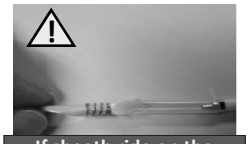
Be careful for hot sleeve, spring and flange even after the cooling by fan.

(23) Slide Rear Parts.



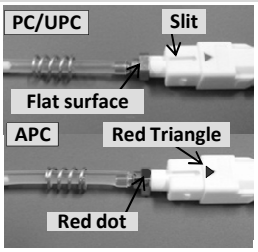
(24) Disassemble Boot / Kevlar Stopper and Rear Stopper.





If sheath ride on the protection sleeve, please cut that amount. (Do not cut Kevlar)

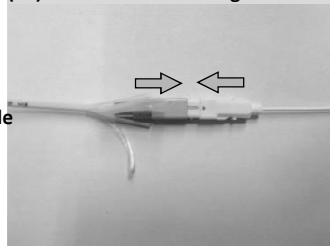
(25) Key Alignment.



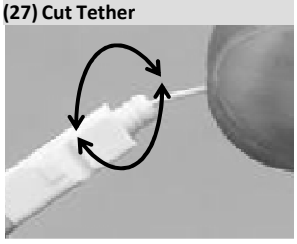
2 directions available

1 direction only

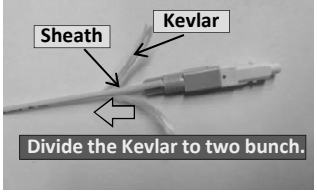
(26) Assemble the housing.



(27) Cut Tether

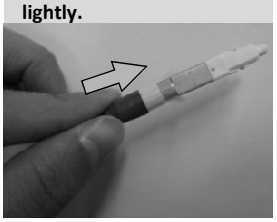


(28) Pull out Outer Sheath and Kevlar from Rear Stopper.



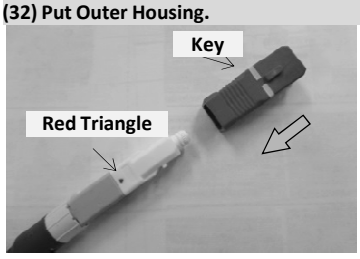
(29) Slide the Boot and Kevlar Stopper .

(30) Push the Kevlar stopper lightly.



(31) Secure Kevlar by Kevlar stopper.

(32) Put Outer Housing.



(33) Complete.

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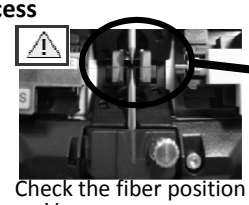
- Attention of the installation manual-

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

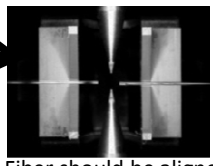
⃠ Prohibition False operation. Do not perform!

Point ① Fiber installation process

Place the fiber



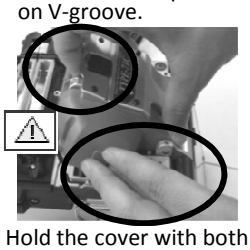
Check the fiber position on V-groove.



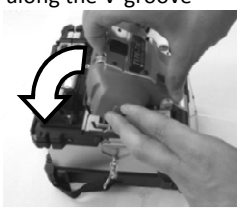
Fiber should be aligned along the V-groove

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

Close the cover

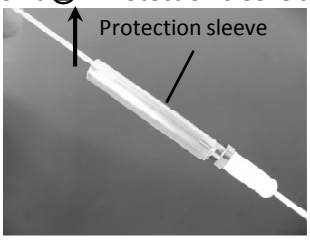


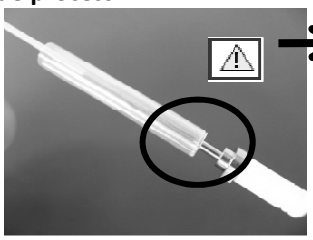
Hold the cover with both hands and close gently.



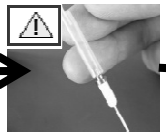
Do not stomp the cover or the fiber tends to broken

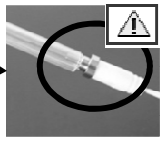
Point ② Protection sleeve slide process





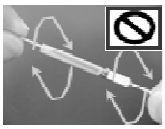
Raise the fiber end up so that the protection sleeve slides accordingly.





Pick the sleeve to adjust position.

Do not shake!

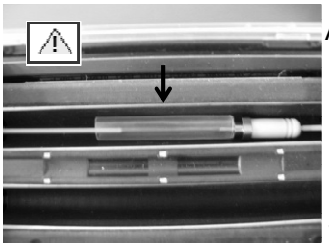


In case protection sleeve sticks on the flange.

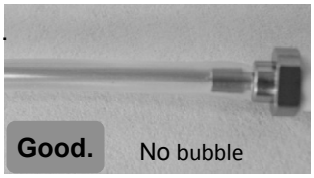
The fiber will **break** by stress.

Do not twist!

Point ③ Protection sleeve set position

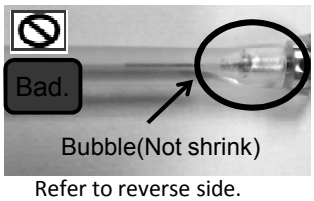


After heating.



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

If protection sleeve do not set at center.



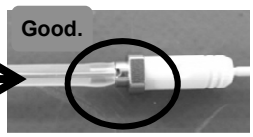
Refer to reverse side.

The fiber will **break** by stress.

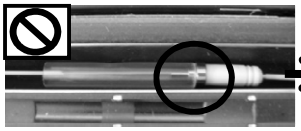
Point ④ Protection Sleeve's Shrink Condition

SC
FC
LC

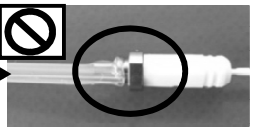
Flange's step is exposed



Flange's step is exposed



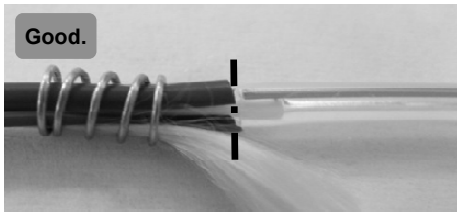
No gap to flange between sleeve.



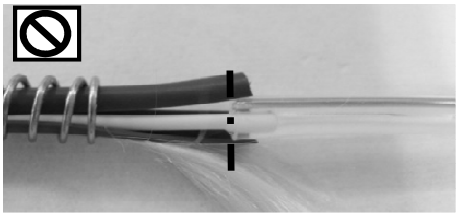
Glue is stuck to the flange

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

Point ⑤ Cord sheath position. (For cord type only)



Please trim the cord sheath to sleeve edge.



If cord sheath ride over the protection sleeve, after heat shrink.