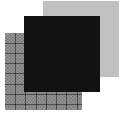


Lynx-CustomFit® Splice-On Connector Ver. 2 - LYNX2-LC for Optical Cord with Tight Buffered Fiber - Installation Manual

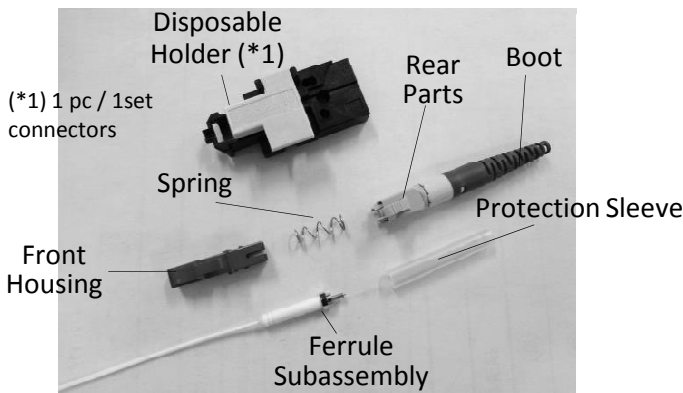


For your safety operation

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.

Composition



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)

Precautions

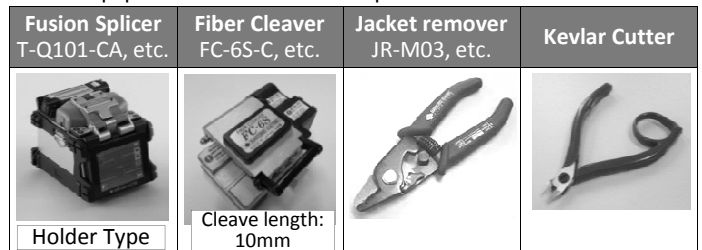
1. Improper assembly will result in a loss of performance. Please read instructions given in this operation manual and the operation manual of the fusion splicer.
2. Never touch the fiber of the stub. It has been inspected in the factory.
3. The product is sensitive to dirt or dust. Do not take out any 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.

Assembling Tools

Below tools are required.



Below equipments or tools are examples.



💡 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/>

(A) Set Fusion Condition

Push "power key" for more than 1 sec.

"Main Menu" Select Fiber Type

Select "Fiber Type", then "Return".

(B) Perform Arc Test

"Main Menu" Select Sleeve Type

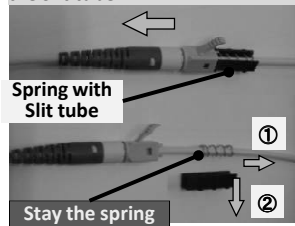
Select Sleeve Type Then "Return"

Select "Arc Test"

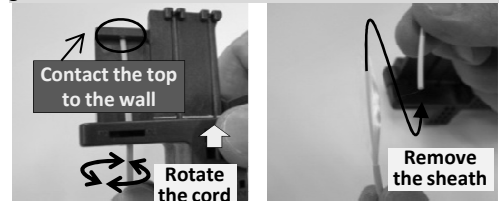
Then perform the arc test according to the instruction.
*Fiber for testing is not included in the kit. Please check fiber type inside the field fiber.

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.



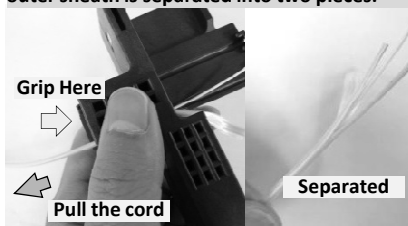
(2) Open Cord Tool and set the cord on the proper groove. Rotate the cord, then remove the outer sheath.



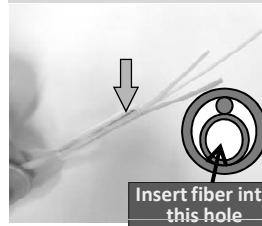
(3) Set the cord on the proper groove. Mark on the 900um fiber. Open Cord Tool and set the cord.



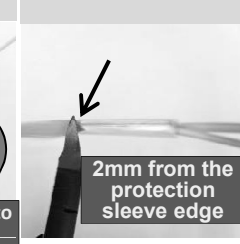
(4) Grip Cord Tool and pull the cord. Then the outer sheath is separated into two pieces.



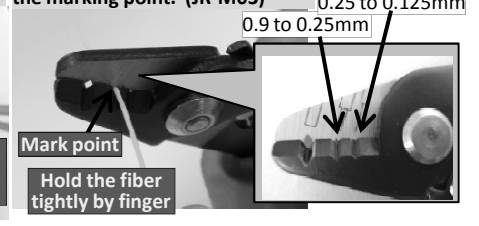
(5) Slide Protection Sleeve onto the cord.



(6) Cut the Kevlar.



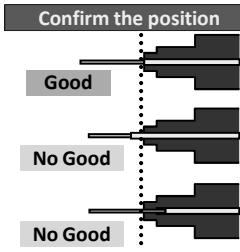
(7) Remove the fiber coating from the marking point. (JR-M03)



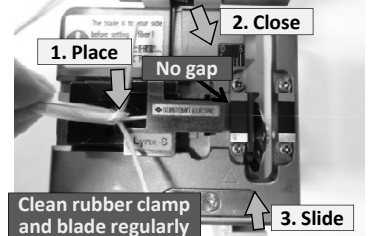
(8) Clean the fiber with lint-free cleaning wipe.



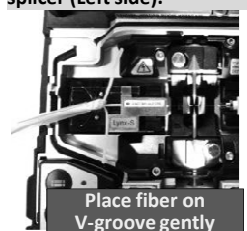
(9) Set the fiber on the holder.



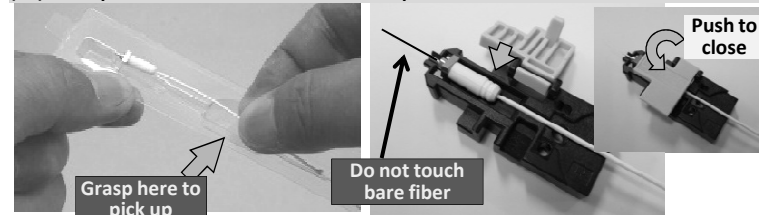
(10) Cleave the fiber (FC-6S)



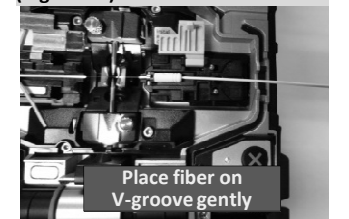
(11) Set fiber holder on the splicer (Left side).



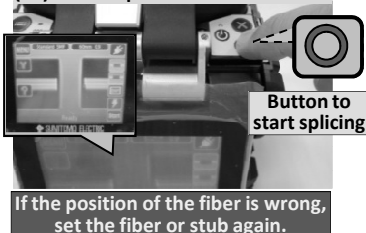
(12) Pick up the stub and set the stub on the plastic holder.



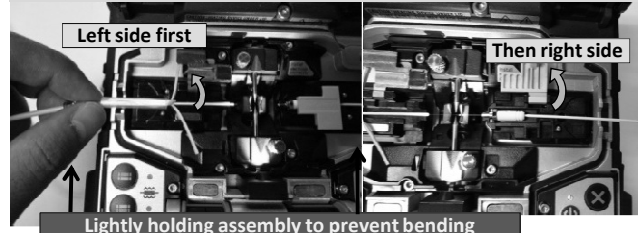
(13) Set stub holder on the splicer (Right side).



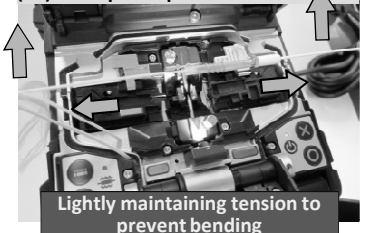
(14) Fusion Splice.



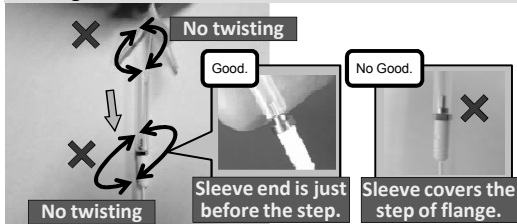
(15) Open the stub and fiber holders.



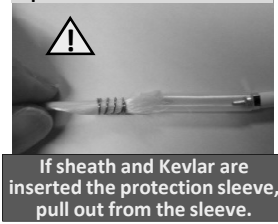
(16) Pick up the spliced fiber.



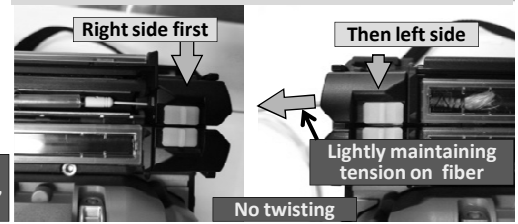
(17) Slide Protection Sleeve until it covers the projection of the flange.



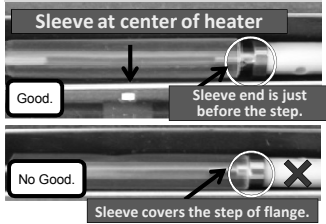
(18) Slide the spring onto separated sheath.



(19) Set Sleeve into the heater.



(20) Confirm the position before heating.



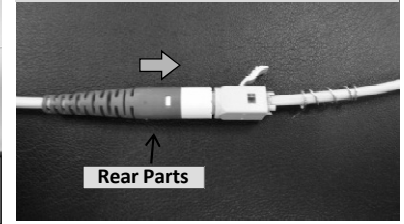
(21) Heat Protection Sleeve.



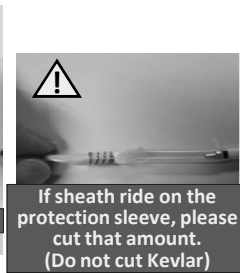
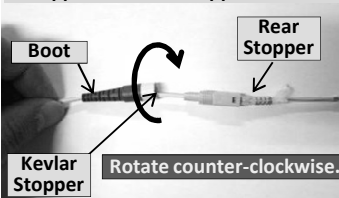
(22) Pick up Sleeve.



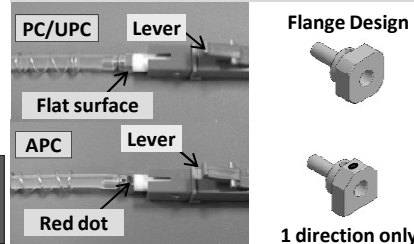
(23) Slide Rear Parts.



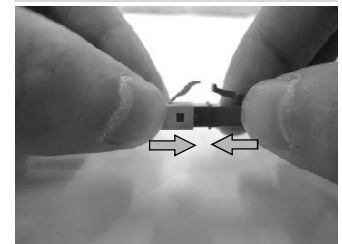
(24) Disassemble Boot / Kevlar Stopper and Rear Stopper.



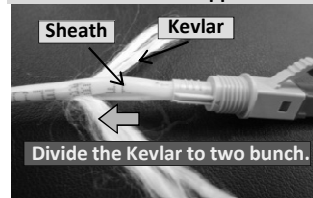
(25) Key Alignment.



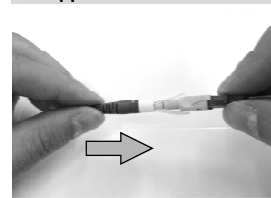
(26) Assemble the housing.



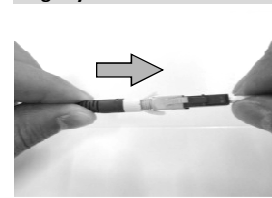
(27) Pull out Outer Sheath and Kevlar from Rear Stopper.



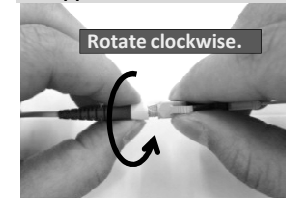
(28) Slide the Boot and Kevlar Stopper.



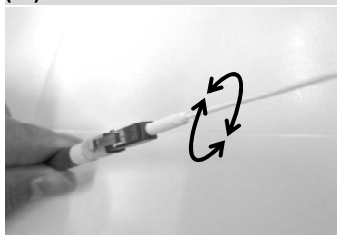
(29) Push the Kevlar stopper lightly.



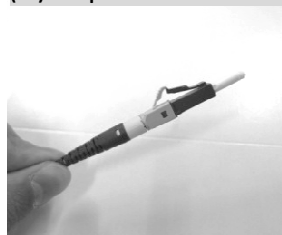
(30) Secure Kevlar by Kevlar stopper.



(31) Cut the tether.



(32) Complete.

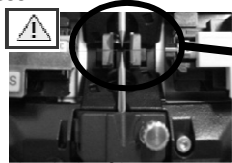


- Attention of the installation manual-

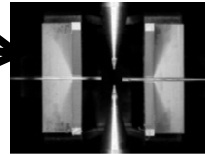
Legend **Caution** Refer to this manual and operate to correctly.
Prohibition False operation. Do not perform!

Point ① Fiber installation process

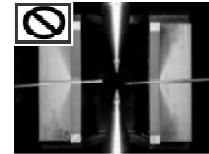
Place the fiber



Check the fiber position on V-groove.

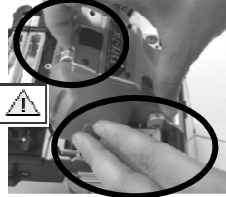


Fiber should be aligned along the V-groove



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

Close the cover



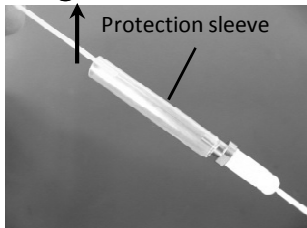
Hold the cover with both hands and close gently.



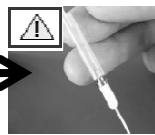
Do not stomp the cover or the fiber tends to broken



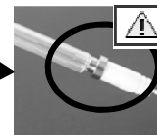
Point ② Protection sleeve slide process



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



Do not shake!



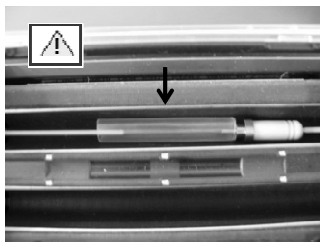
Do not twist!

Pick the sleeve to adjust position.

In case protection sleeve sticks on the flange.

The fiber will **break** by stress.

Point ③ Protection sleeve set position

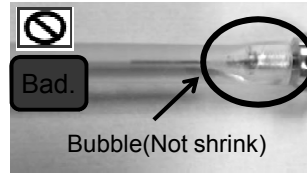


After heating.



Good. No bubble

If protection sleeve do not set at center.



Bad. Bubble(Not shrink)

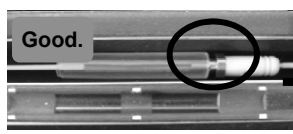
Refer to reverse side.

The fiber will **break** by stress.

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

Point ④ Protection Sleeve's Shrink Condition

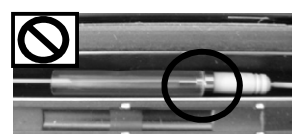
SC
FC
LC



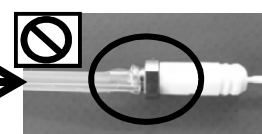
Good. Flange's step is exposed



Good. Flange's step is exposed



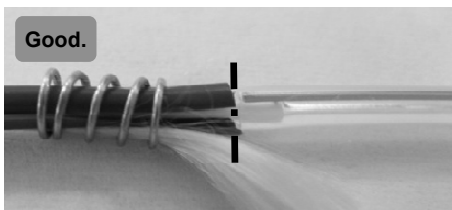
Prohibition No gap to flange between sleeve.



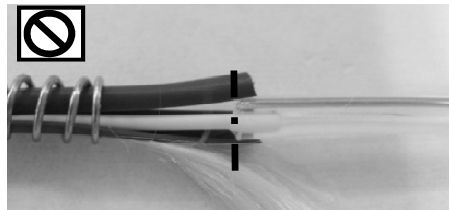
Prohibition Glue is stuck to the flange

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

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



Good. Please trim the cord sheath to sleeve edge.



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