





# Lynx-CustomFit® Splice-On Connector Ver. 2 - LYNX2-LC for Optical Cord (2.4/3mm) with Duplex LC Clip- Installation Manual



## For your safety operation

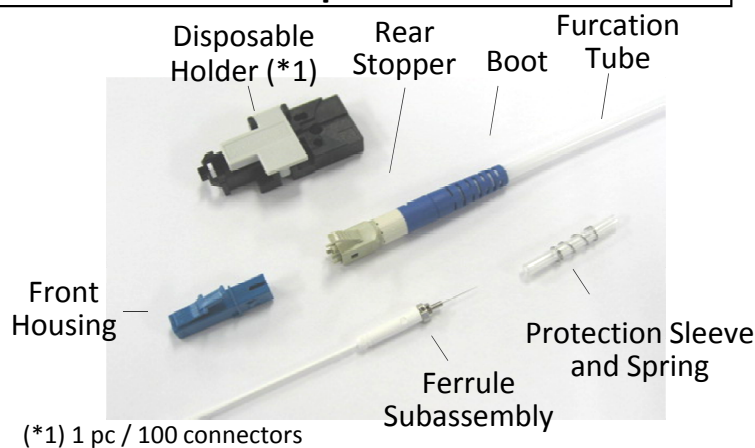
The Lynx-CustomFit® Splice-On Connector is designed and manufactured to assure personal safety. Improper operation can result in bodily injury and serious damage to this product. Please read and observe all warnings instructions given in this operation manual.

-  **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

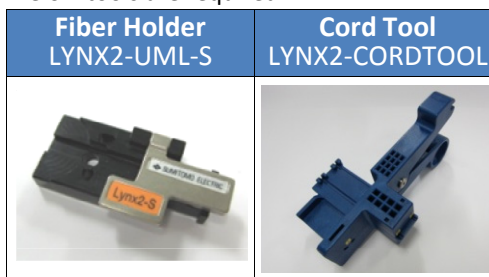
1. Improper assembly will result in a loss of performance. **Please read instructions** given in this operation manual and the operation manual of the fusion splicer.
2. **Never touch the fiber of the stub**. It has been inspected in the factory.
3. The product is sensitive to dirt or dust. Do not take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

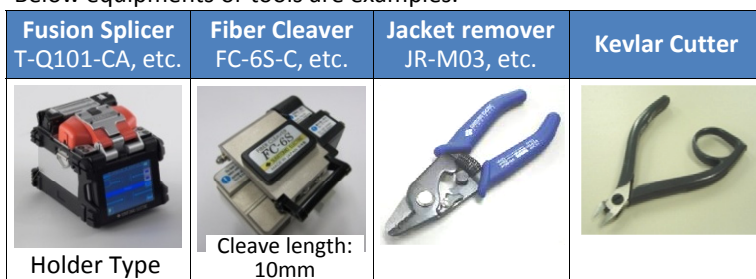


## Assembling Tools

Below tools are required.





Below equipments or tools are examples.



## Recommended Program

| Splicer              | Fiber | Splicing Program | Heater Program        |
|----------------------|-------|------------------|-----------------------|
| T-25eS               | SMF   | SM1: SMF1C       | Lynx<br>or FPS (60mm) |
|                      | MMF   | MM1: MMF1C       |                       |
| T-39FH               | SMF   | LYNX-SM          | Lynx<br>or FPS (60mm) |
|                      | MMF   | LYNX-MM          |                       |
| T-Q101-CA<br>(T-71C) | SMF   | Standard SMF     | Lynx<br>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.

**North Carolina (USA)**  
Sumitomo Electric Lightwave Corp.  
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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**



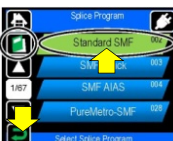
Push "power key" for more than 1 sec.



"Main Menu" Select Fiber Type



Select "Fiber Type", then "Return".

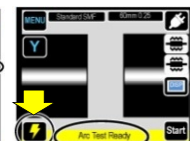


"Main Menu" Select Sleeve Type



Select Sleeve Type Then "Return"

**(B) Perform Arc Test**

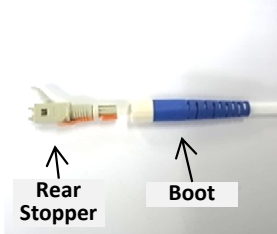


Select "Arc Test"

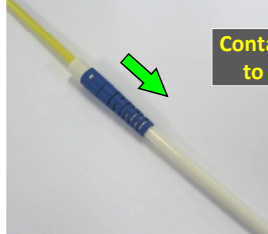
Then perform the arc test according to the instruction.  
\*Fiber for testing is not included in the kit.  
Please check fiber type inside the field fiber.

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

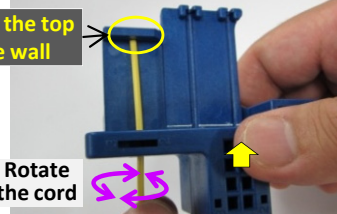
**(1) Disassemble Rear Parts.**



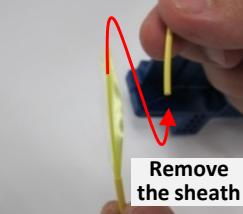
**(2) Slide Boot on Cord.**



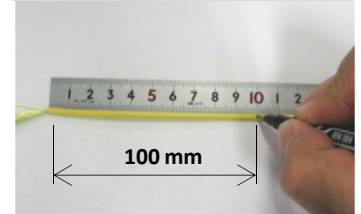
**(3) Open Cord Tool and set the cord on the proper groove. Rotate the cord, then remove the outer sheath.**



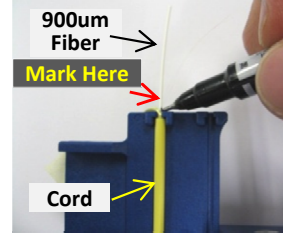
**(4) Mark at 100mm from the end of Sheath.**



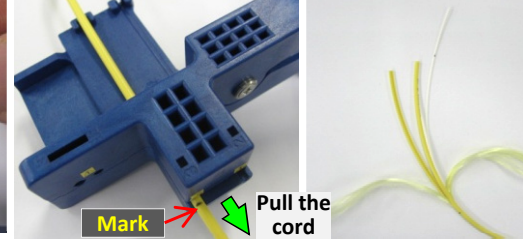
**(5) Mark on 900um fiber on Cord Tool.**



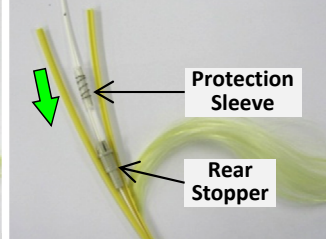
**(6) Set Cord on Tool with 100mm Mark at the edge of Cord Tool and pull. Then Outer Sheath is separated.**



**(7) Slide Rear Stopper and Protection Sleeve onto the fiber.**



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



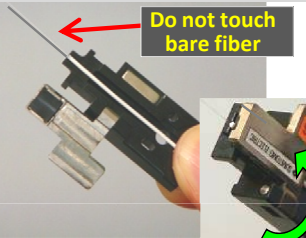
**(9) Clean the fiber with lint-free cleaning wipe.**



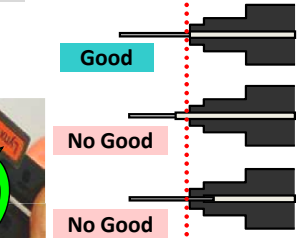
**(10) Set the fiber on the holder.**



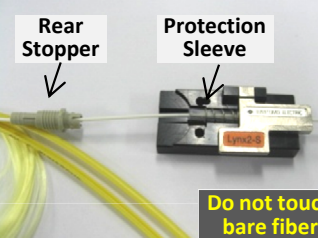
**(11) Set the sleeve on the holder.**



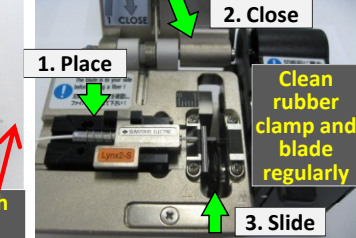
**(12) Cleave the fiber (FC-6S)**



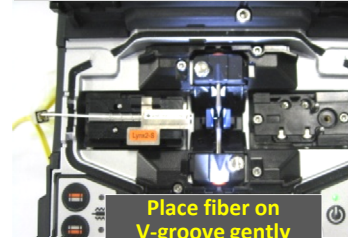
**(13) Set fiber holder on the splicer (left side).**



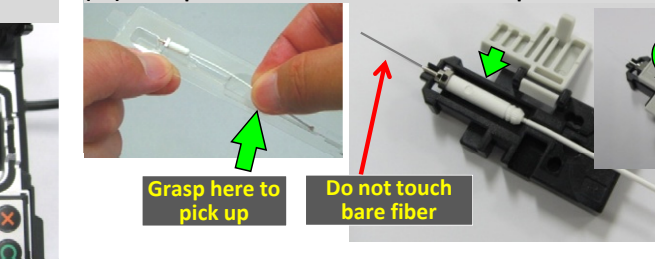
**(14) Pick up the stub and set the stub on the plastic holder.**



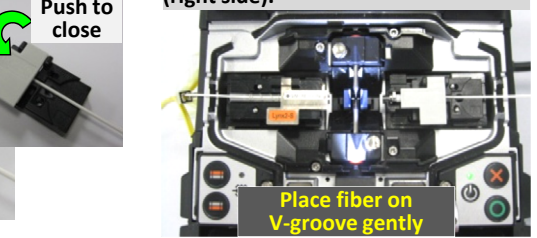
**(15) Fusion Splice.**



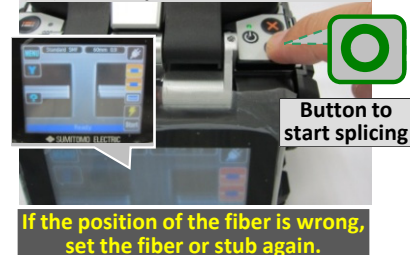
**(16) Open the stub and fiber holders.**



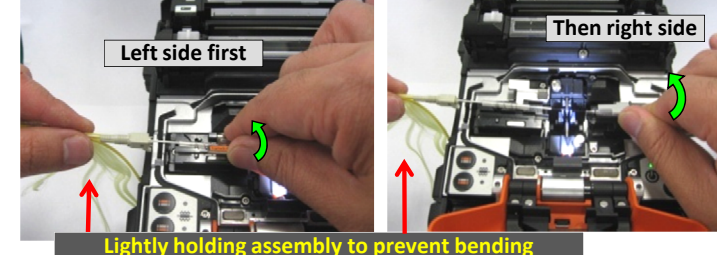
**(17) Pick up the spliced fiber.**



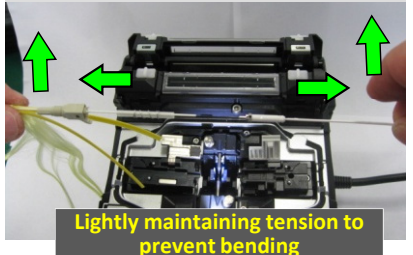
**(18) Fusion Splice.**



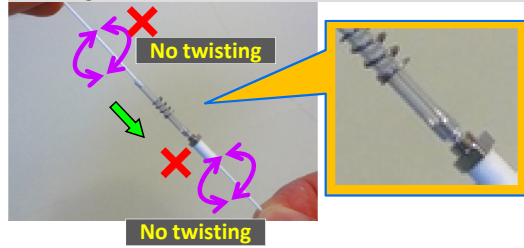
**(19) Open the stub and fiber holders.**



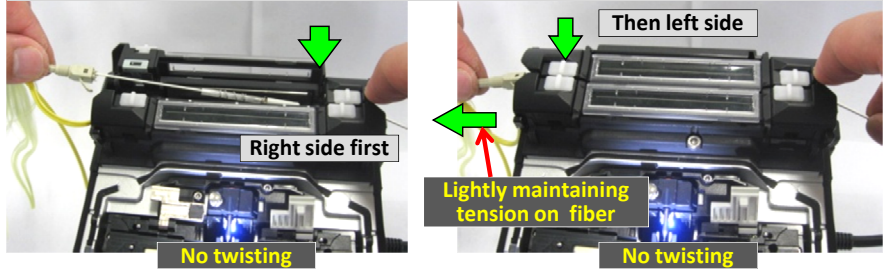
**(20) Pick up the spliced fiber.**



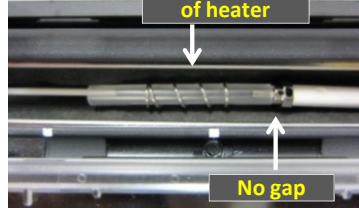
(19) Slide Protection until it covers the projection of the flange.



(20) Set Sleeve into the heater.



(21) Confirm the position before heating.



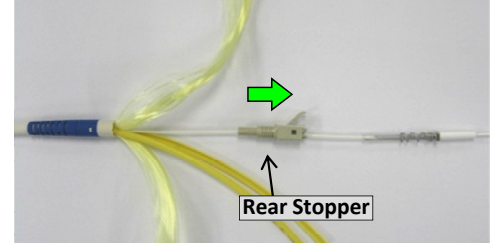
(22) Heat Protection Sleeve.



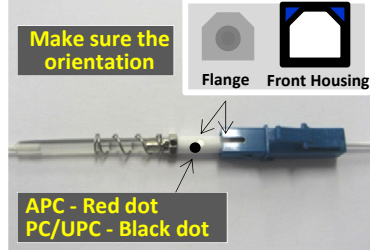
(23) Pick up Sleeve.



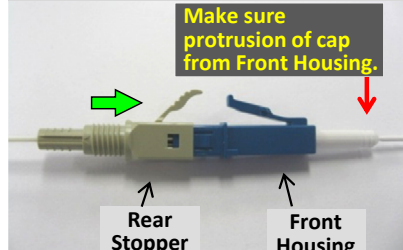
(24) Slide Rear Stopper.



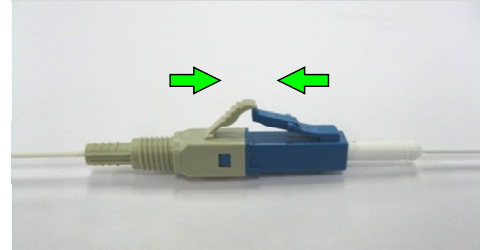
(25) Put Inner Housing.



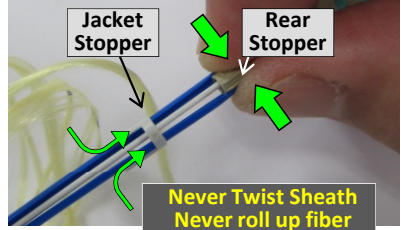
(26) Slide Rear Parts.



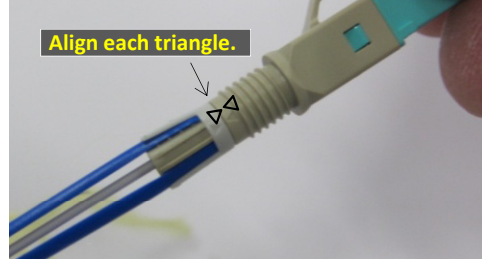
(27) Put Rear Stopper in Front Housing.



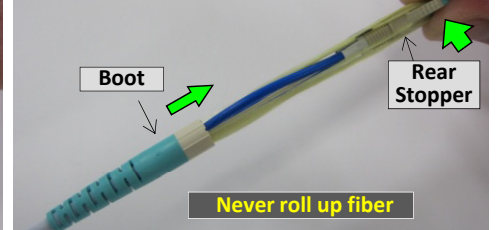
(28) Insert the split sheath into Jacket Stopper and hold them on Rear Stopper.



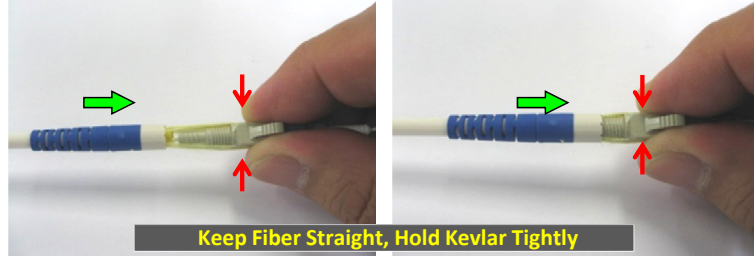
(29) Hold the split sheath by Jacket Stopper.



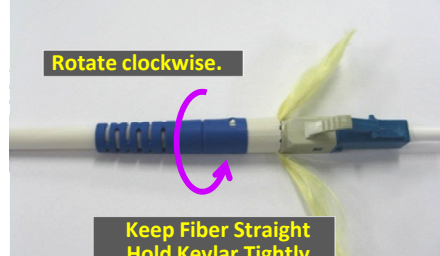
(30) Hold Kevlar on Rear Stopper, then push Boot toward Rear Stopper.



(31) Slide Kevlar Stopper to the end.



(32) Secure Kevlar by Kevlar Stopper.



(33) Trim Excess Kevlar by Kevlar Cutter and cut the tether.

