

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



For your safety operation

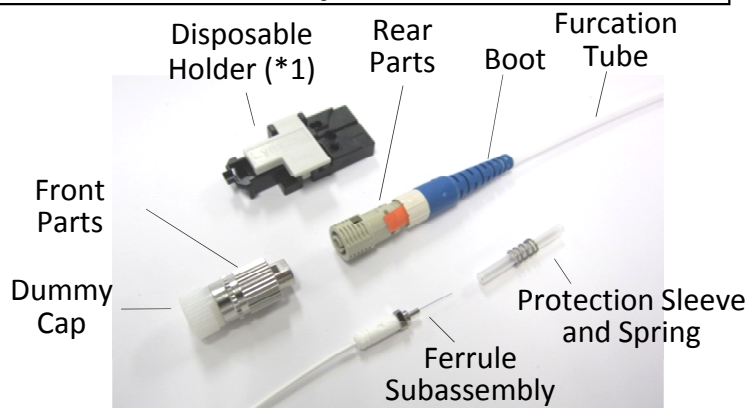
The Lynx-CustomFit® Splice-On Connector is designed and manufactured to assure personal safety. Improper operation can result in bodily injury and serious damage to this product. Please read and observe all warnings instructions given in this operation manual.

- 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.

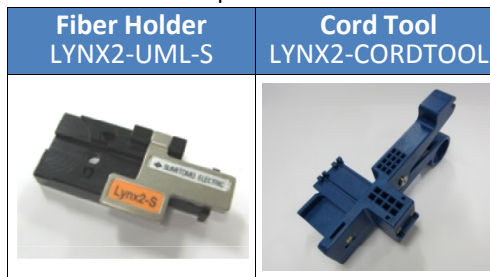
Composition



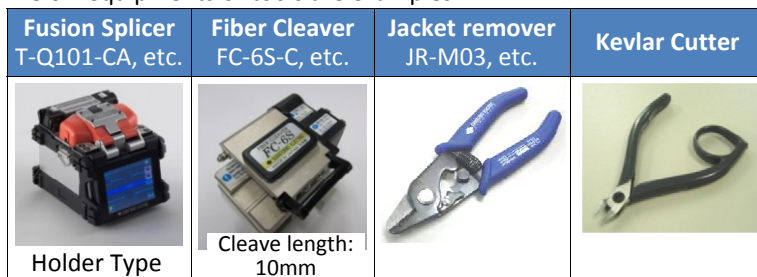
(*1) 1 pc / 100 connectors

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 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)

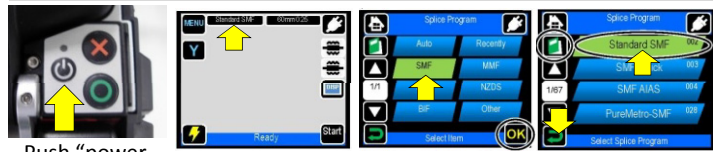
- Please perform Arc test prior to the splicing operation. (See the operation manual of the splicer.)
*Fiber for testing is not included in the kit.
- Please check fiber type inside the field fiber.

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.

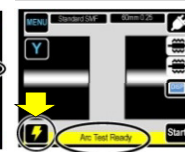
"Main Menu" Select Fiber Type

Select "Fiber Type", then "Return".

"Main Menu" Select Sleeve Type

Select Sleeve Type Then "Return"

(B) Perform Arc Test

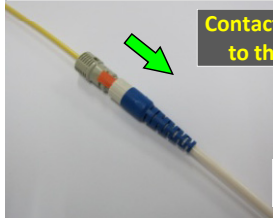


Select "Arc Test"

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).

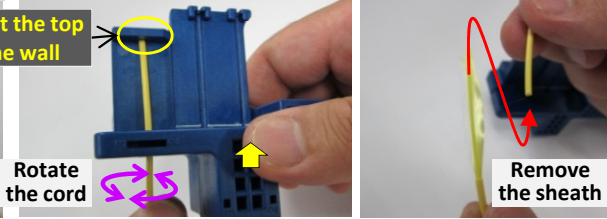
(1) Slide Rear Parts onto the cord.



Contact the top to the wall

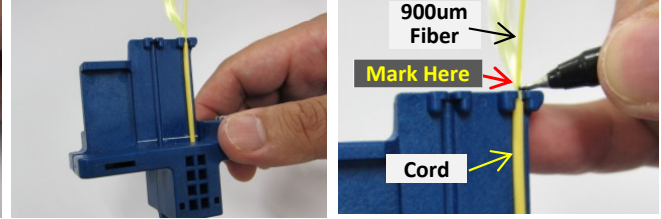
Rotate the cord

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



Remove the sheath

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

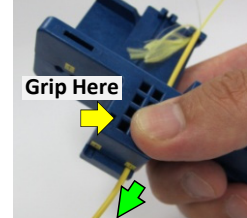


900um Fiber

Mark Here

Cord

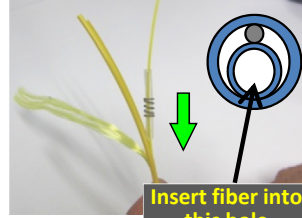
(4) Grip Cord Tool and pull the cord. Then the outer sheath is separated into two pieces.



Grip Here

Pull the cord

(5) Slide Protection Sleeve onto the fiber.



Insert fiber into this hole

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



Mark point

0.25 to 0.125mm

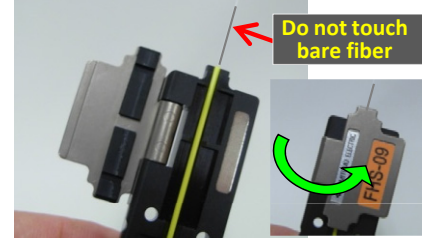
0.9 to 0.25mm

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



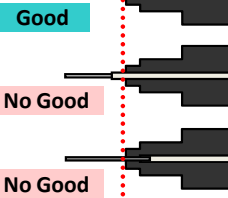
Moistened with alcohol

(8) Set the fiber on the holder.



Do not touch bare fiber

Confirm the position



Good

No Good

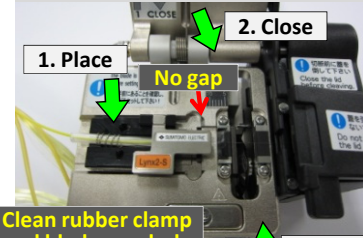
No Good

(9) Set the sleeve on the holder.



Do not touch bare fiber

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



1. Place

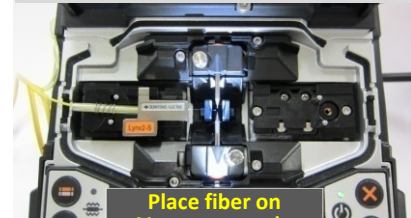
2. Close

No gap

Clean rubber clamp and blade regularly

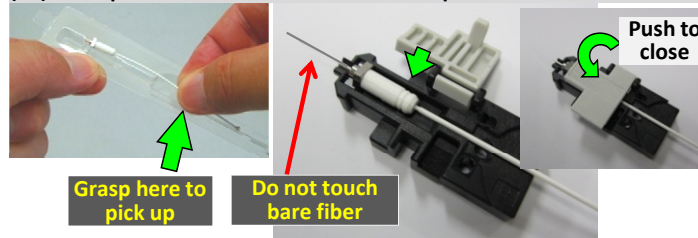
3. Slide

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



Place fiber on V-groove gently

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

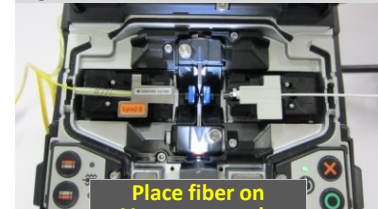


Grasp here to pick up

Do not touch bare fiber

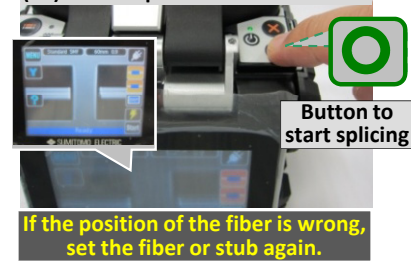
Push to close

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



Place fiber on V-groove gently

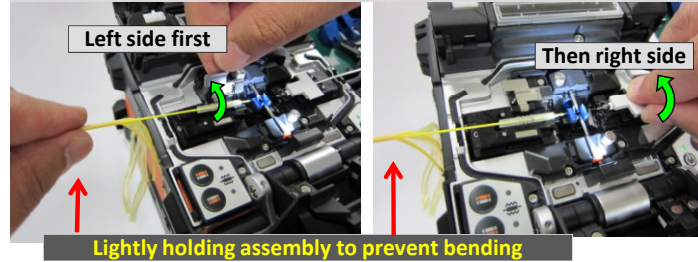
(14) Fusion Splice.



Button to start splicing

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

(15) Open the stub and fiber holders.

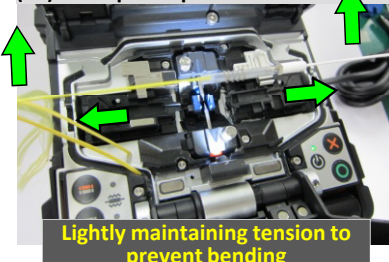


Left side first

Then right side

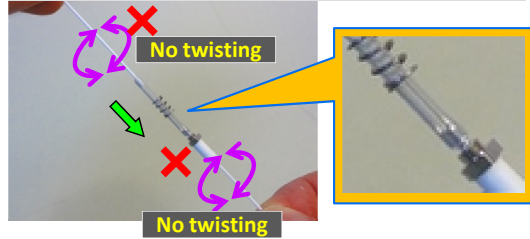
Lightly holding assembly to prevent bending

(16) Pick up the spliced fiber.

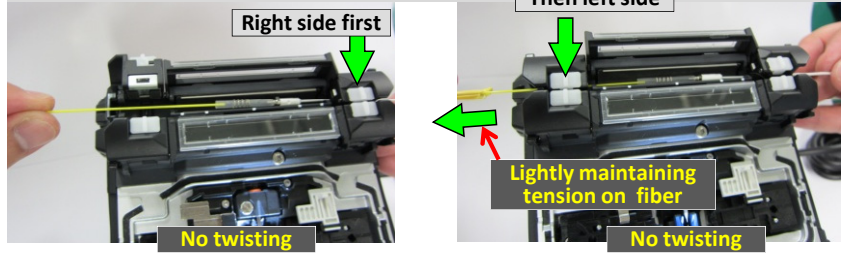


Lightly maintaining tension to prevent bending

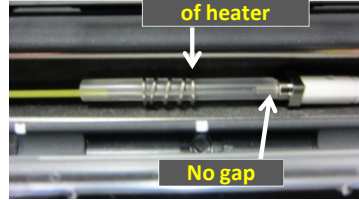
(17) Slide Protection until it covers the projection of the flange.



(18) Set Sleeve into the heater.



(19) Confirm the position before heating.



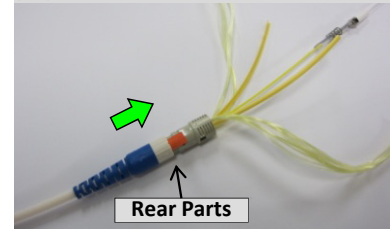
(20) Heat Protection Sleeve.



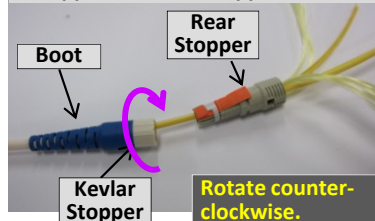
(21) Pick up Sleeve.



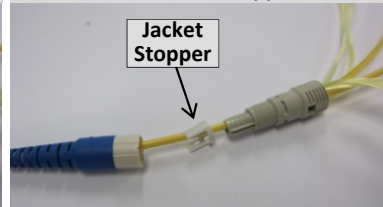
(22) Slide Rear Parts.



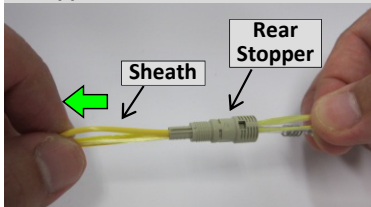
(23) Disassemble Boot / Kevlar Stopper and Rear Stopper.



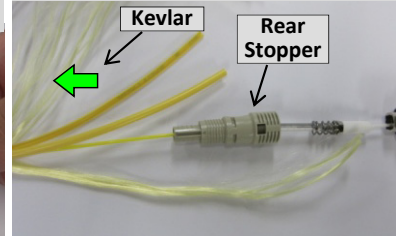
(24) Remove Orange Tape, then disassemble Jacket Stopper.



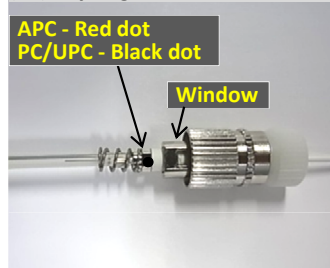
(25) Pull out Outer Sheath from Rear Stopper.



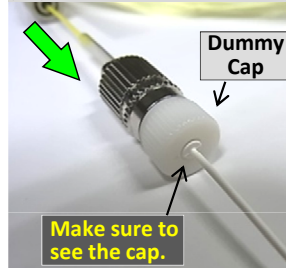
(26) Pull out Kevlar from Rear Stopper.



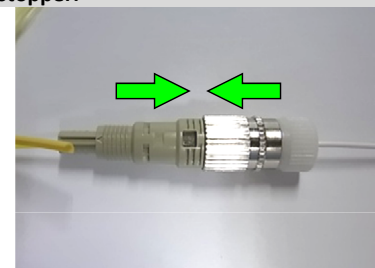
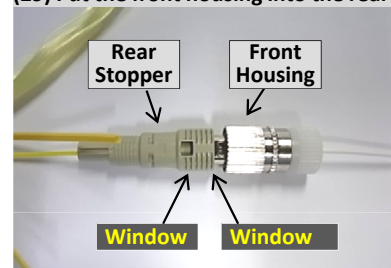
(27) Key Alignment.



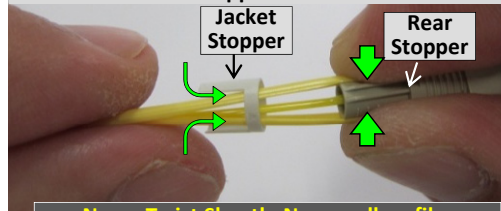
(28) Push ferrule to the end.



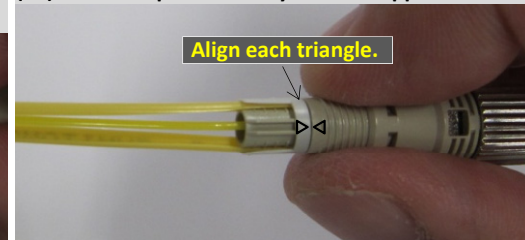
(29) Put the front housing into the rear stopper.



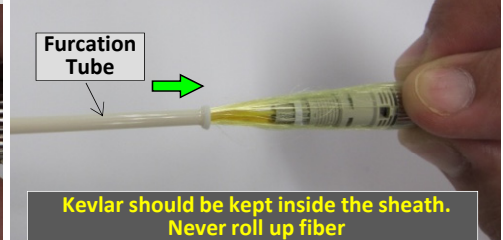
(30) Insert the split sheath into Jacket Stopper and hold them on Rear Stopper.



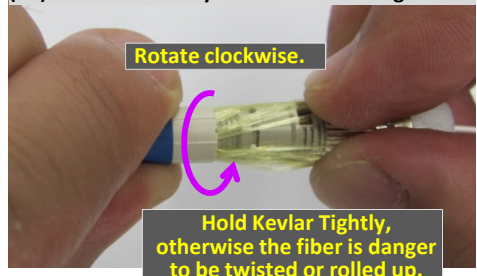
(31) Hold the split sheath by Jacket Stopper.



(32) Slide the furcation tube to the rear stopper.



(33) Secure Kevlar by Screw with holding Kevlar.



(34) Trim Excess Kevlar by Kevlar Cutter, remove Dummy Cap and cut the tether.

