ETK1123088A

Lynx-CustomFit® Splice-On Connector Ver. 2
- LYNX2-ST 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.

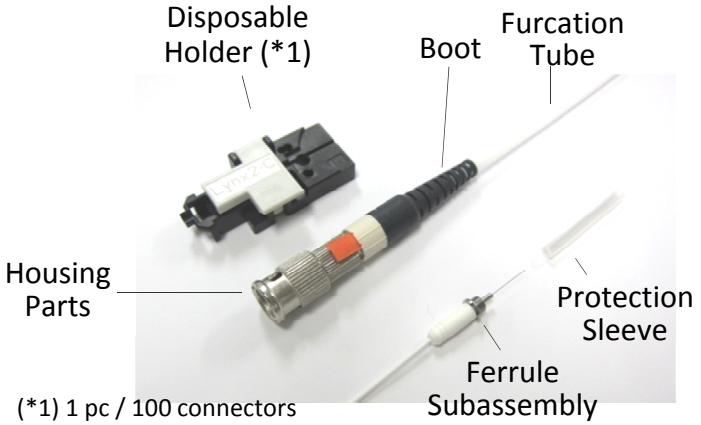
⚠ Alcohol is flammable, causes irritation and is harmful if swallowed or inhaled. Keep alcohol away from heat, sparks, skin, and avoid contact with eyes.

⚠ 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-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)

Assembling Tools

Below tools are required.

Fiber Holder LYNX2-UML-S	Cord Tool LYNX2-CORDTOOL	LYNX2-ST Assembly Tool
		

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/

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(A) Set Fusion Condition

Push “power key” for more than 1 sec.

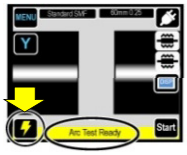
“Main Menu” Select Fiber Type

Select “Fiber Type”, then “Return”.

“Main Manu” Select Sleeve Type

Select Sleeve Type Then “Return”

(B) Perform Arc Test

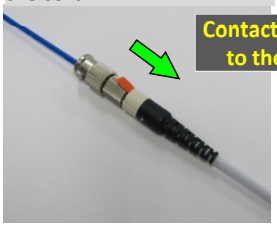


Select “Arc Test”

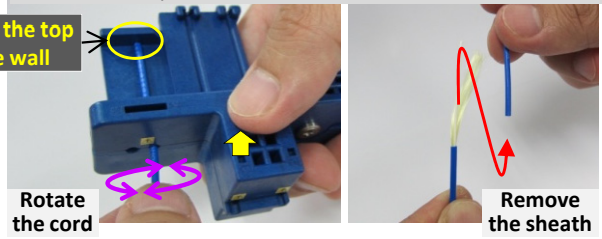
Then perform the arc test according to the instruction.
*Fiber for testing is not included in the kit.
Please check fiber type inside the field fiber.

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

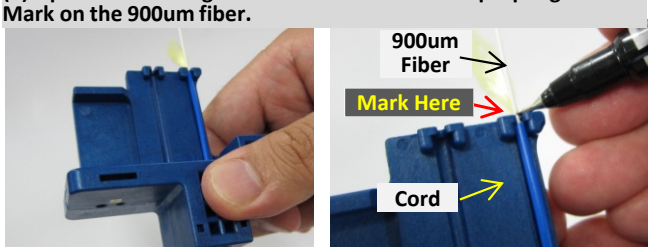
(1) Slide Housing Parts onto the cord.



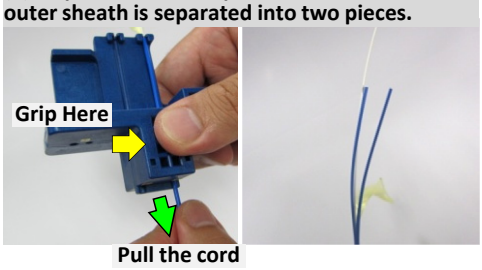
(2) Open Cord Tool and set the cord on the proper groove. Rotate the cord, then remove the outer sheath.



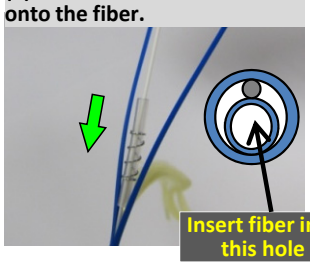
(3) Open Cord Tool again and set the cord on the proper groove. Mark on the 900um fiber.



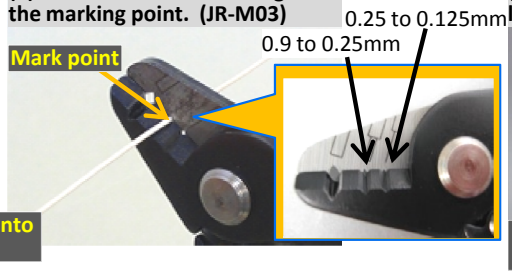
(4) Grip Cord Tool and pull the cord. Then the outer sheath is separated into two pieces.



(5) Slide Protection Sleeve onto the fiber.

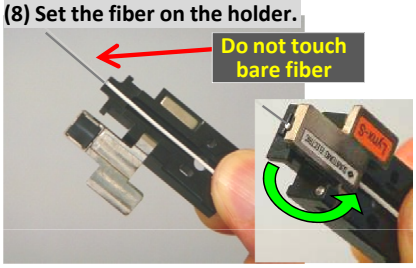


(6) Remove the fiber coating from the marking point. (JR-M03)



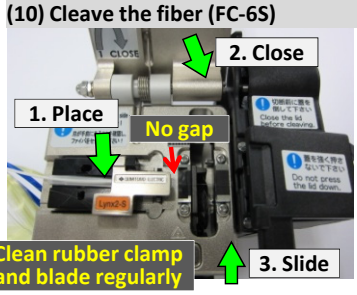
(7) Clean the fiber with lint-free cleaning wipe.

(8) Set the fiber on the holder.

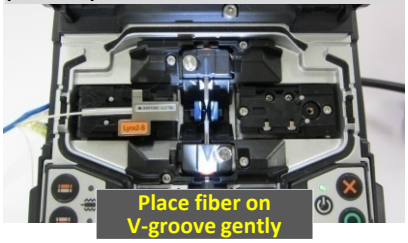


(9) Set the sleeve on the holder.

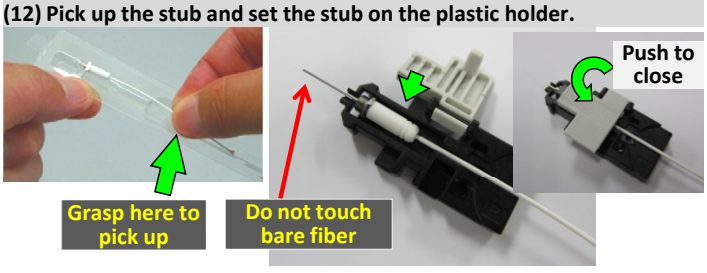
(10) Cleave the fiber (FC-6S)



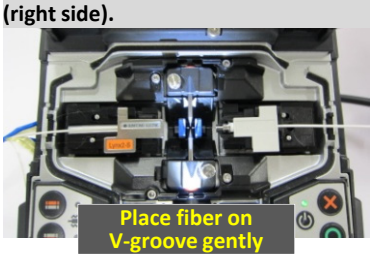
(11) Set fiber holder on the splicer (left side).



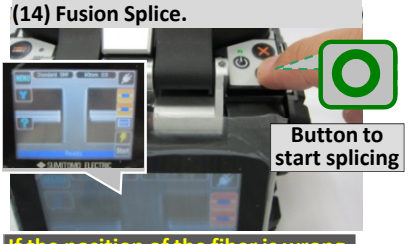
(12) Pick up the stub and set the stub on the plastic holder.



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

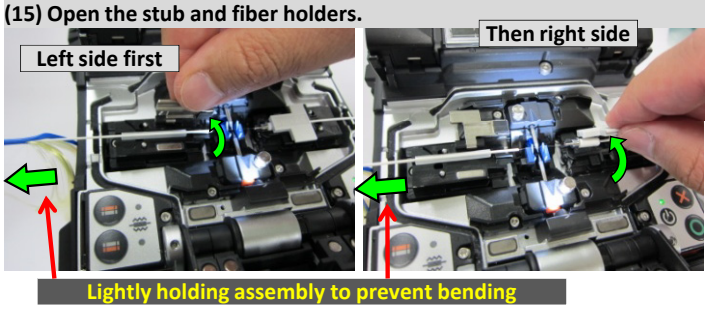


(14) Fusion Splice.

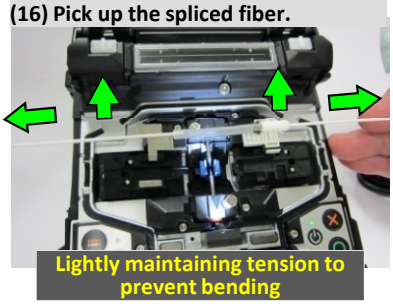


If the position of the fiber is wrong, set the fiber or stub again.

(15) Open the stub and fiber holders.



(16) Pick up the spliced fiber.



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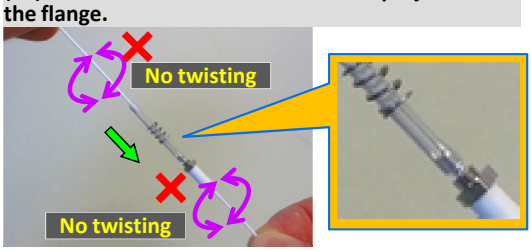
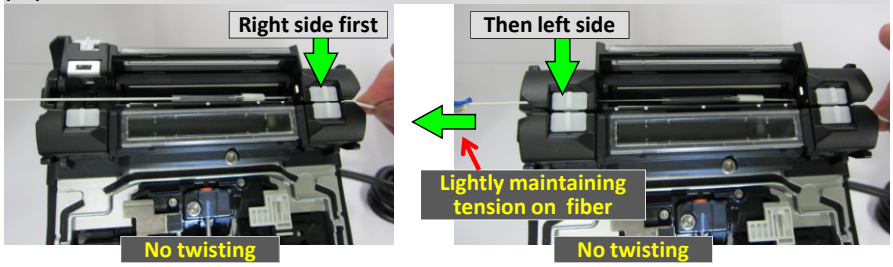
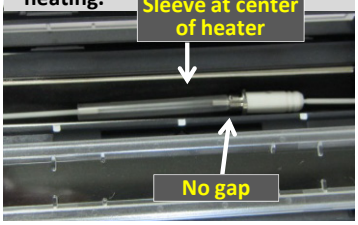
(17) Slide Protection until it covers the projection of the flange.



(18) Set Sleeve into the heater.



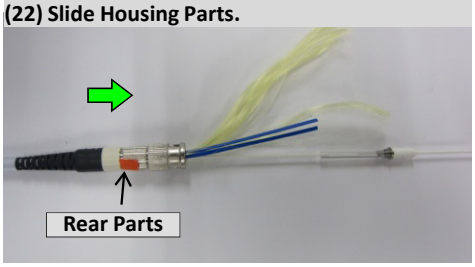
(19) Confirm the position before heating.



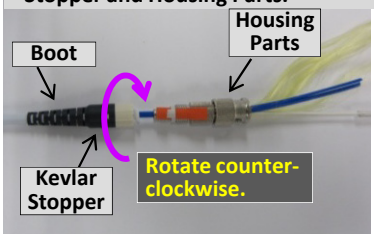
(20) Heat Protection Sleeve.

(21) Pick up Sleeve.

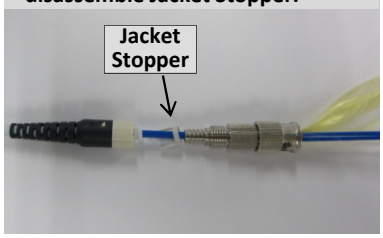
(22) Slide Housing Parts.



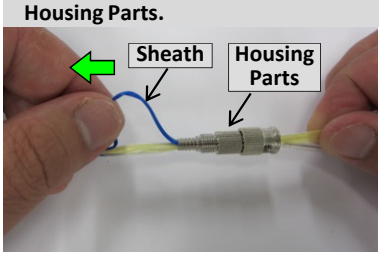
(23) Disassemble Boot / Kevlar Stopper and Housing Parts.



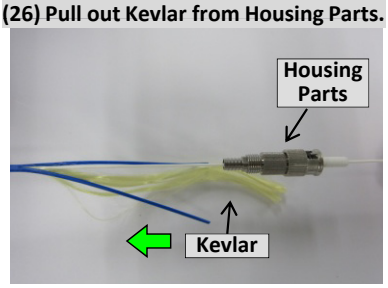
(24) Remove Orange Tape, then disassemble Jacket Stopper.



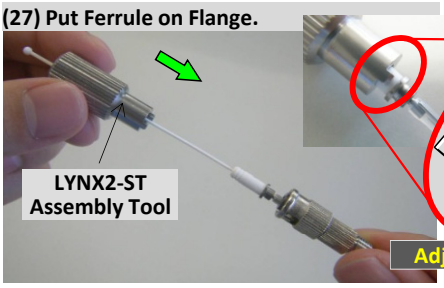
(25) Pull out Outer Sheath from Housing Parts.



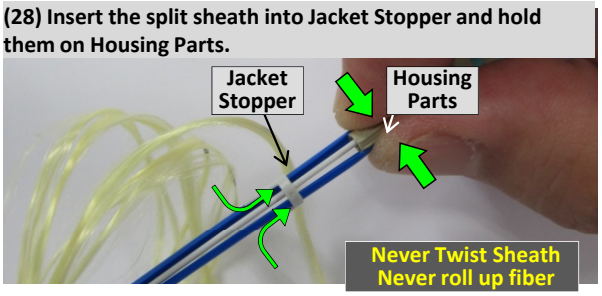
(26) Pull out Kevlar from Housing Parts.



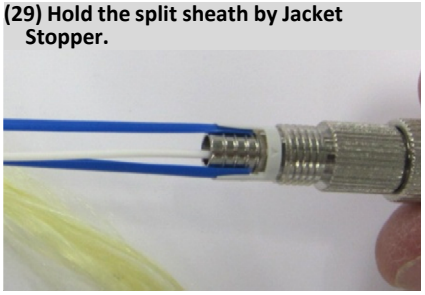
(27) Put Ferrule on Flange.



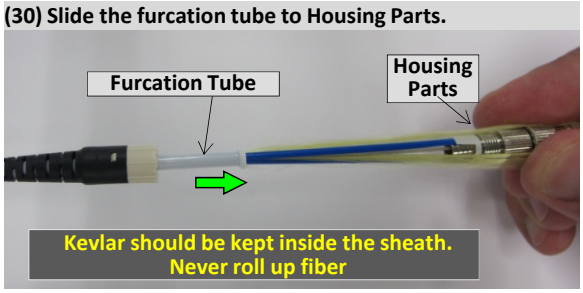
(28) Insert the split sheath into Jacket Stopper and hold them on Housing Parts.



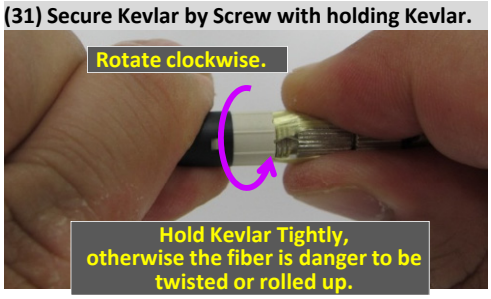
(29) Hold the split sheath by Jacket Stopper.



(30) Slide the furcation tube to Housing Parts.



(31) Secure Kevlar by Screw with holding Kevlar.



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