

Lynx-CustomFit® Splice-On Connector Ver. 2 - LYNX2-MPO for Bare Ribbon Fiber - Installation Manual



For your safety operation

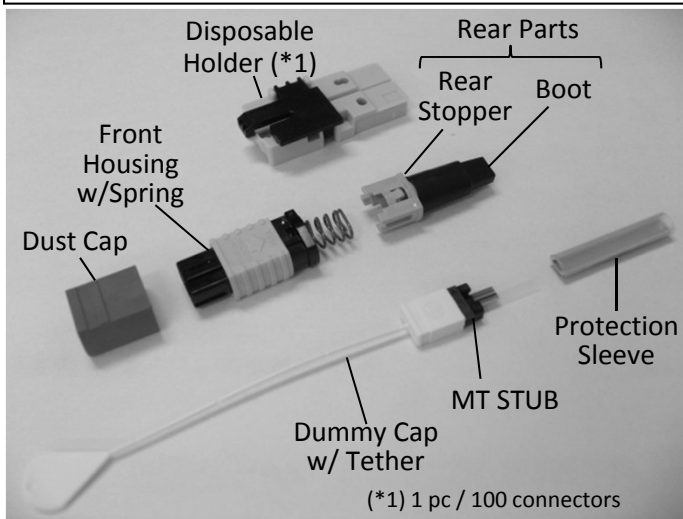
The Lynx-CustomFit® Splice-On Connector is designed and manufactured to assure personal safety. Improper operation can result in bodily injury and serious damage to this product. Please read and observe all warnings instructions given in this operation manual.

- ⚠ **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








Polish Surface and Housing Color

SM Low Loss	SM Std. Loss	MM62.5 OM1	MM50 OM2	MM50.10G OM3
8 degree Polish		Flat Polish		
Yellow	Green	Beige	Black	Aqua

Assembling Tools

Below equipments and tools are required.

Fusion Splicer Type-Q101-M12 (T-71M12)	Fiber Cleaver FC-6RM etc.	Jacket remover JR-6	Fiber Holder FHM-12 (For 12c Fiber)	Fiber Holder FHM-8 (For 8c Fiber)
				

Recommended Program

Splicer	Fiber	Splicing Program	Heater Program
Type-Q101-M12 (T-71M12)	SMF 12c	SM12c	Lynx MPO
	SMF 8c	SM8c	
	MMF 12c	MM12c	
	MMF 8c	MM8c	

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.)
- *Ribbon fiber for testing is included in the connector 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/>

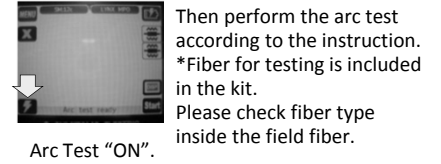
London (UK)
Sumitomo Electric Europe Ltd.
220 Centennial Avenue, Elstree, Herts. WD6 3SL, UK
TEL +44 (0)20-8953-8118
<http://www.sumielectric.com/>

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

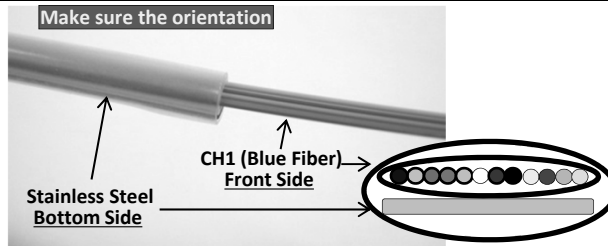
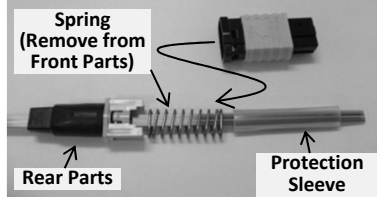


(B) Perform Arc Test

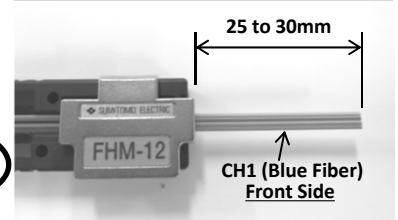


See the operation manual of T-71M12.

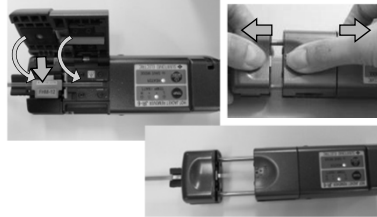
(1) Slide Rear Parts, Spring and Protection Sleeve onto the ribbon fiber.



(2) Set ribbon fiber on Fiber holder.



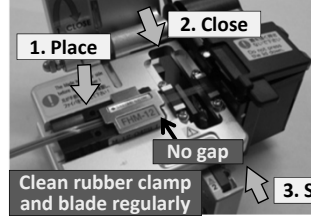
(3) Remove Coating (JR-6)



(4) Fiber Cleaning.



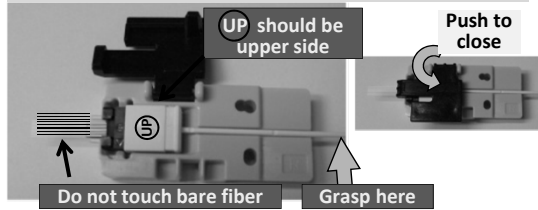
(5) Cleave the fiber (FC-6M)



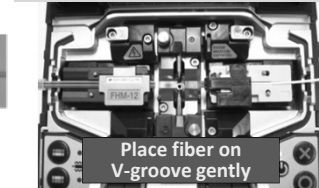
(6) Set fiber holder on the splicer (left side).



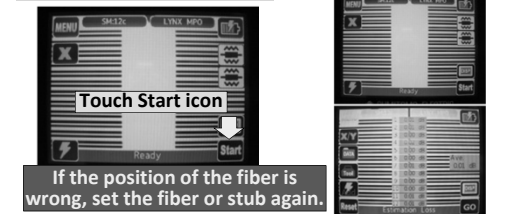
(7) Pick up MT STUB and set the stub on the plastic holder.



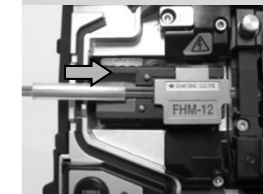
(8) Set stub holder on the splicer (right side).



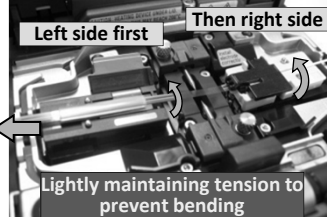
(9) Fusion Splice.



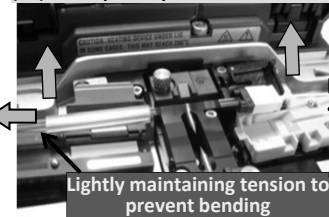
(10) Slide the sleeve to the holder.



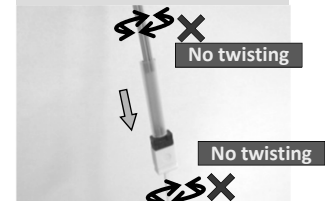
(11) Open the cover of the holder.



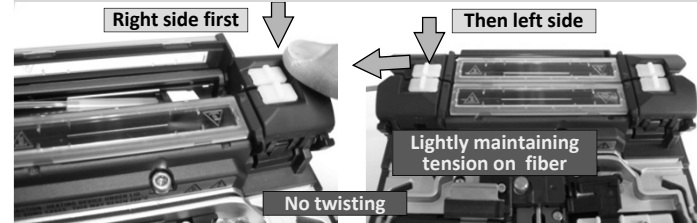
(12) Pick up the spliced fiber.



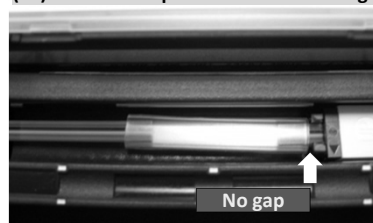
(13) Slide Protection Sleeve to MT STUB.



(14) Set Sleeve into the heater.



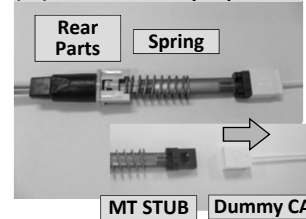
(15) Confirm the position before heating.



(16) Heat Protection Sleeve.



(17) Remove Dummy Cap.



(18) Put Front Housing.

