LC Splice-on Connector for 250um or 900um Tight Buffered Fiber Installation Instruction

INSTALLATION INSTRUCTIONS **FS141**

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.

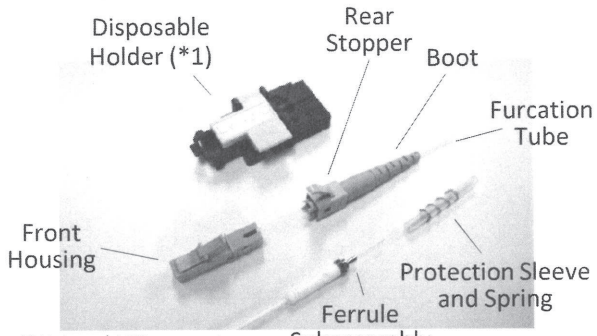
⚠ Alcohol is flammable, causes irritation and is harmful if swallowed or inhaled. Keep alcohol away from heat, sparks, skin, and avoid contact with eyes.

⚠ 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

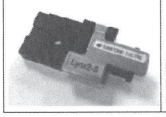
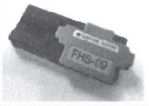
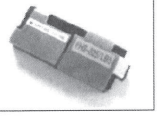
Recommended Program

Splicer	Fiber	Splicing Program	Heater Program
T-Q101-CA (T-71)	SMF	SMF Standard	Lynx
	MMF	MMF Standard	
T-QH201e (T-201)	SMF	SMF Standard	Lynx
	MMF	MMF Standard	

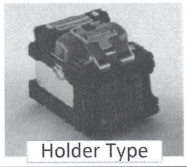
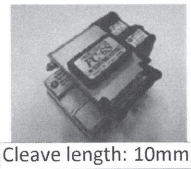
SMF : G.652, G.657
MMF : MM50(OM2), MM50(OM3), MM50(OM4), MM62.5(OM1)

Assembling Tools

Either one holder is required.

Holder (Fiber Side)			
for 900um tight buffer		for 250um fiber	
LYNX2-UML-S	FHS-09	FHS-025	LYNX2-S-LB5
			

Below equipment or tool are examples.

Fusion Splicer T-Q101-CA, etc.	Fiber Cleaver FC-6S-C, etc.	Jacket remover JR-M03, etc.
 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.

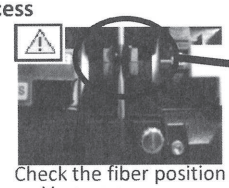
LC Splice-on Connector for 250um or 900um Tight Buffer Assembly Instructions

LC Splice-on Connector for 900um Loose Buffer Assembly Instructions

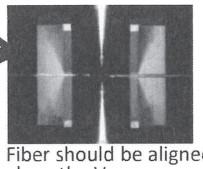
INSTALLATION MANUAL WARNINGS

Point ① Fiber installation process

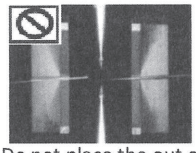
Place the fiber



Check the fiber position on V-groove.

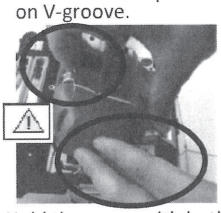


Fiber should be aligned along the V-groove

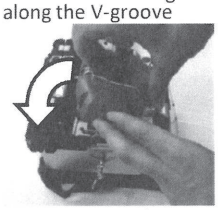


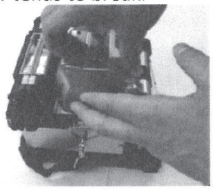
Do not place the out of V-groove or the fiber tends to break.

Close the cover



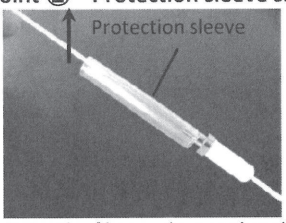
Hold the cover with both hands and close gently.

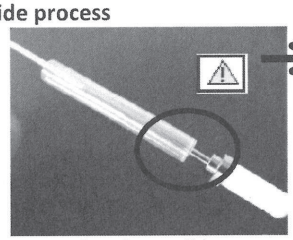




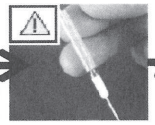
Do not stomp the cover or the fiber tends to broken

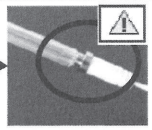
Point ② Protection sleeve slide process





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





Pick the sleeve to adjust position.

Do not shake!

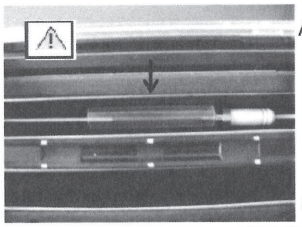
In case protection sleeve sticks on the flange.

The fiber will **break** by stress.

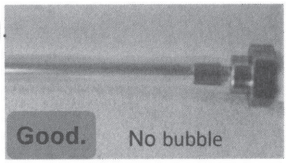
Do not twist!

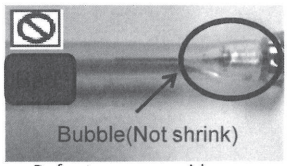
Point ③ Protection sleeve set position

If protection sleeve do not set at center.



After heating.





Refer to reverse side.

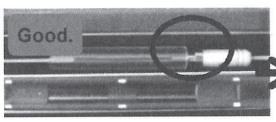
Set the protection sleeve **at center of heater**.

The fiber will **break** by stress.

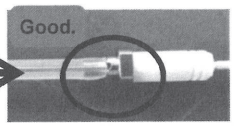
Point ④ Protection Sleeve's Shrink Condition

SC

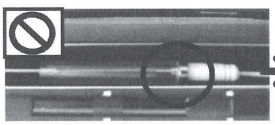
LC



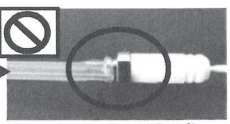
Flange's step is exposed



Flange's step is exposed



No gap to flange between sleeve.



Glue is stuck to the flange

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