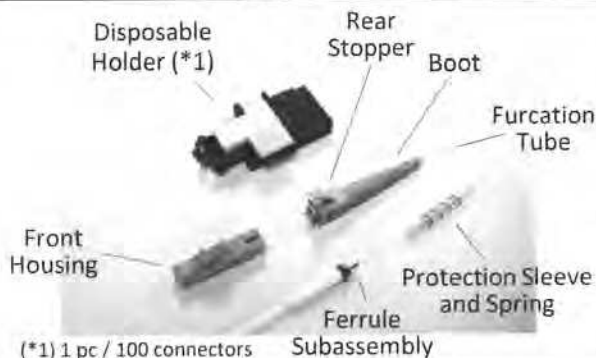


For your safety operation

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.

Composition



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)

Precautions

- 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.
- Never touch the fiber of the stub. It has been inspected in the factory.
- The product is sensitive to dirt or dust. Do not take out any parts from the package until it is to be used.
- The characteristic will be influenced by the fiber cleaved surface condition. Please use a cleaver which has a good cleaving characteristic.
- 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.

Assembling Tools

Either one holder is required.

Holder (Fiber Side)			
for 900um tight buffer		for 250um fiber	
LYNX2-UML-S	FHS-09	FHS-02S	LYNX2-S-LB5

Below equipment or tool are examples.

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

(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 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 fiber.
- (2) Slide Protection Sleeve onto the fiber.
Insert fiber into this hole
- (3) Remove the fiber coating. Approx. 35mm (JR-M03)
0.25 to 0.125mm
0.9 to 0.25mm
- (4) Clean the fiber with lint-free cleaning wipe.
Moistened with alcohol
- (5) Set the fiber on the holder.
Do not touch bare fiber
Confirm the position
Good
No Good
No Good
- (6) Cleave the fiber (FC-6S)
1. Place
2. Close
No gap
Clean rubber clamp and blade regularly
3. Slide
- (7) Set fiber holder on the splicer (left side).
Place fiber on V-groove gently
- (8) 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
- (9) Set stub holder on the splicer (right side).
Place fiber on V-groove gently
- (10) Fusion Splice.
Button to start splicing
If the position of the fiber is wrong, set the fiber or stub again.
- (11) Open the stub and fiber holders.
Left side first
Then right side
Lightly holding assembly to prevent bending
- (12) Pick up the spliced fiber.
Lightly maintaining tension to prevent bending
- (13) Slide Protection until it covers the projection of the flange.
No twisting
Good
No Good.
Sleeve end is just before the step.
Sleeve covers the step of flange.
- (14) Set Sleeve into the heater.
Right side first
Then left side
Lightly maintaining tension on fiber
No twisting
- (15) Confirm the position before heating.
Sleeve at center of heater
No gap
- (16) Heat Protection Sleeve.
Button to start heating
Lynx heater program runs a fan to cool the sleeve after heating
- (17) Pick up Sleeve.
Be careful for hot sleeve, spring and flange even after the cooling by fan.
- (18) Key Alignment.
PC/UPC Lever
Flat surface
APC Lever
Red dot
Flange Design
4 directions available
1 direction only
- (19) Put the front housing into the rear stopper.
Cut Tether
Complete

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

(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"

Select "Arc Test"

(B) Perform 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 fiber.

(2) Slide Protection Sleeve onto the fiber.

Insert fiber into this hole

(3) Remove secondary coating. Approx. 40mm (JR-M03)

0.9 to 0.25mm

(4) Remove primary coating. Approx. 35mm (JR-M03)

0.25 to 0.125mm

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

Moistened with alcohol

(6) Set the fiber on the holder.

Do not touch bare fiber

125um Approx. 35mm

250um 5-7mm

1. Close Front Cover

2. Close Rear Cover

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

1. Place

No gap

Clean rubber clamp and blade regularly

2. Close

3. Slide

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

Place fiber on V-groove gently

(9) 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

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

Place fiber on V-groove gently

(11) Fusion Splice.

Button to start splicing

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

(12) Open the stub and fiber holders.

1. Open Rear Cover

2. Open Front Cover

3. Open STUB side

Lightly holding assembly to prevent bending

(13) Pick up the spliced fiber.

Lightly maintaining tension to prevent bending

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

Sleeve must cover ends of primary/secondary coating

3-5mm

5-7mm

Good.

No Good.

Sleeve end is just before the step.

Sleeve covers the step of flange.

(15) Set Sleeve into the heater.

Right side first

Then left side

No twisting

Lightly maintaining tension on fiber

(16) Confirm the position before heating.

Sleeve at center of heater

No gap

Sleeve must cover ends of primary/secondary coating

(17) Heat Protection Sleeve.

Button to start heating

Lynx heater program runs a fan to cool the sleeve after heating

(18) Pick up Sleeve.

Be careful for hot sleeve, spring and flange even after the cooling by fan.

(19) Key Alignment.

PC/UPC Lever

Flat surface

APC Lever

Red dot

Flange Design

4 directions available

1 direction only

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

Cut Tether

Complete

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.



Do not shake!



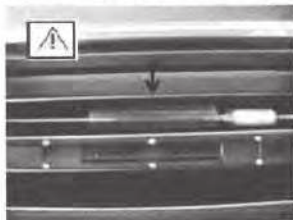
Do not twist!

Pick the sleeve to adjust position.

In case protection sleeve sticks on the flange.

The fiber will **break** by stress.

Point ③ Protection sleeve set position



After heating.



Good. No bubble

Set the protection sleeve at center of heater.

If protection sleeve do not set at center.



Bubble(Not shrink)

Refer to reverse side.

The fiber will **break** by stress.

Point ④ Protection Sleeve's Shrink Condition

SC

LC



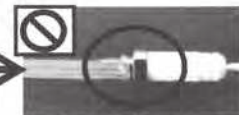
Flange's step is exposed



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.