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

- Disposable Holder (*1)
- Rear Stopper
- Boot
- Fucration Tube
- Protection Sleeve and Spring
- Ferrule and Spring
- Dummy Cap

(*1) 1 pc / 100 connectors

Subassembly

Recommended Program

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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

- Fusion Splicer
  - T-Q101-CA(71C), 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.

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LYNX2-FC for 250um or 900um Tight Buffer
Assembly Procedure

(A) Set Fusion Condition
Push “power key” for more than 1 sec.
Main Menu
Select Fiber Type
Select “Fiber Type”, then “Return”.

(B) Perform Arc Test
“Main Menu”
Select Sleeve Type
Select Sleeve Type Then “Return”

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.
(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
No Good
Good
No Good

(6) Cleave the fiber (FC-6S)
Clean rubber clamp and blade regularly

(7) Set fiber holder on the splicer (left side).
Place fiber on V-groove gently
No gap

(8) Pick up the stub and set the stub on the plastic holder.
Grasp here to pick up
Do not touch bare fiber

(9) Set stub holder on the splicer (right side).
Place fiber on V-groove gently
No gap

(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
No twisting

(13) Slide Protection until it covers the projection of the 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) Put Front Parts.
Align windows and dot
Window
Window
APC - Red dot
PC/UPC - Black dot

(19) Remove Dummy Cap.
Cut Tether
Complete

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