Lynx-CustomFit® Splice-On Connector Ver. 2
- LYNX2-LC for Optical Cord (2.4/3mm) with Duplex LC Clip-
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.

Composition

<table>
<thead>
<tr>
<th>Disposable Holder (*1)</th>
<th>Rear Stopper</th>
<th>Boot</th>
<th>Furcation Tube</th>
<th>Protection Sleeve and Spring</th>
</tr>
</thead>
</table>

(*1) 1 pc / 100 connectors

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 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.

Recommended Program

<table>
<thead>
<tr>
<th>Splicer</th>
<th>Fiber</th>
<th>Splicing Program</th>
<th>Heater Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-25eS</td>
<td>SMF</td>
<td>SM1: SMF1C</td>
<td>Lynx or FPS (60mm)</td>
</tr>
<tr>
<td></td>
<td>MMF</td>
<td>MM1: MMF1C</td>
<td></td>
</tr>
<tr>
<td>T-39FH</td>
<td>SMF</td>
<td>LYNX-SM</td>
<td>Lynx or FPS (60mm)</td>
</tr>
<tr>
<td></td>
<td>MMF</td>
<td>LYNX-MM</td>
<td></td>
</tr>
<tr>
<td>T-Q101-CA (T-71C)</td>
<td>SMF</td>
<td>Standard SMF</td>
<td>Lynx or 60mm 0.9</td>
</tr>
<tr>
<td></td>
<td>MMF</td>
<td>MMF 50&amp;62.5</td>
<td></td>
</tr>
</tbody>
</table>

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

Assembling Tools

Below tools are required.

<table>
<thead>
<tr>
<th>Fiber Holder LYNX2-UML-S</th>
<th>Cord Tool LYNX2-CORDTOOL</th>
</tr>
</thead>
</table>

Below equipments or tools are examples.

<table>
<thead>
<tr>
<th>Fusion Splicer T-Q101-CA, etc.</th>
<th>Fiber Cleaver FC-65-C, etc.</th>
<th>Jacket remover JR-M03, etc.</th>
<th>Kevlar Cutter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holder Type</td>
<td>Cleave length: 10mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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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(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 select "Arc Test" on the instruction.

(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) Disassemble Rear Parts.
(2) Slide Boot on Cord.

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

(4) Mark at 100mm from the end of Sheath.

(5) Mark on 900um fiber on Cord Tool.
900um Fiber
Mark Here

(6) Set Cord on Tool with 100mm Mark at the edge of Cord Tool and pull. Then Outer Sheath is separated.
Pull the cord

(7) Slide Rear Stopper and Protection Sleeve onto the fiber.
Protecton Sleeve
Rear Stopper

(8) Remove the fiber coating from the marking point. (JR-M03)
0.25 to 0.125mm
0.9 to 0.25mm
Mark point

(9) Clean the fiber with lint-free cleaning wipe.
Moistened with alcohol

(10) Set the fiber on the holder.
Confirm the position
Do not touch bare fiber
Good
No Good

(11) Set the sleeve on the holder.
Rear Stopper
Protection Sleeve
Do not touch bare fiber

(12) Cleave the fiber (FC-65)
1. Place
Clean rubber clamp and blade regularly
2. Close
3. Slide

(13) Set fiber holder on the splicer (left side).
Place fiber on V-groove gently

(14) 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

(15) Set stub holder on the splicer (right side).
Place fiber on V-groove gently

(16) Fusion Splice.
Button to start splicing

(17) Open the stub and fiber holders.
Left side first
Then right side

(18) Pick up the spliced fiber.
Lightly maintaining tension to prevent bending

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**LYNX2-LC for Optical Cord (2.4/3mm) with Duplex LC Clip**

**Assembly Procedure**

1. **(19)** Slide Protection until it covers the projection of the flange.

2. **(20)** Set Sleeve into the heater.
   - Right side first
   - Lightly maintaining tension on fiber

3. **(21)** Confirm the position before heating.
   - Sleeve at center of heater
   - No gap

4. **(22)** Heat Protection Sleeve.
   - Button to start heating
   - Lynx heater program runs a fan to cool the sleeve after heating
   - Be careful for hot sleeve, spring and flange even after the cooling by fan.

5. **(23)** Pick up Sleeve.


7. **(25)** Put Inner Housing.

8. **(26)** Slide Rear Parts.

9. **(27)** Put Rear Stopper in Front Housing.

10. **(28)** Insert the split sheath into Jacket Stopper and hold them on Rear Stopper.

11. **(29)** Hold the split sheath by Jacket Stopper.

12. **(30)** Hold Kevlar on Rear Stopper, then push Boot toward Rear Stopper.

13. **(31)** Slide Kevlar Stopper to the end.


15. **(33)** Trim Excess Kevlar by Kevlar Cutter and cut the tether.

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