Lynx-CustomFit® Splice-On Connector Ver. 2
- LYNX2-ST for 900um Loose Buffered 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.

Composition

- Disposable Holder (*1)
- Housing Parts
- Boot
- Ferrule Subassembly
- Protection Sleeve

(*1) 1 pc / 100 connectors

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</td>
</tr>
<tr>
<td></td>
<td>MMF</td>
<td>MM1: MMF1C</td>
<td>or FPS (60mm)</td>
</tr>
<tr>
<td>T-39FH</td>
<td>SMF</td>
<td>LYNX-SM</td>
<td>Lynx</td>
</tr>
<tr>
<td></td>
<td>MMF</td>
<td>LYNX-MM</td>
<td>or FPS (60mm)</td>
</tr>
<tr>
<td>T-Q101-CA</td>
<td>SMF</td>
<td>Standard SMF</td>
<td>Lynx</td>
</tr>
<tr>
<td>(T-71C)</td>
<td>MMF</td>
<td>MMF 50&amp;62.5</td>
<td>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)

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.

Assembling Tools

- Holder (Fiber Side)
  - LYNX2-ST Assembly Tool
- Fusion Splicer
  - T-Q101-CA(71C), etc.
- Fiber Cleaver
  - FC-6S-C, etc.
- Jacket remover
  - JR-M03, etc.

Below equipment or tool are examples.

⚠️ 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.

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, Sakaeku, Yokohama 244-8588, Japan

Copyright © 2011 Sumitomo Electric Industries, LTD.
LYNX2-ST for 900um Loose Buffer Assembly Procedure

See the operation manual of each splicer. These are the example of T-0101-CA (T-71C).

1. Slide Housing Parts onto the fiber.
2. Slide Protection Sleeve onto the fiber.
3. Remove secondary coating. Approx. 40mm (JR-M03)
4. Remove primary coating. Approx. 35mm (JR-M03)
5. Clean the fiber with lint-free cleaning wipe.

6. Set the fiber on the holder.
7. Cleave the fiber (FC-65)
8. Set fiber holder on the splicer (left side).

9. Pick up the stub and set the stub on the plastic holder.
10. Set stub holder on the splicer (right side).
11. Fusion Splice.

12. Open the stub and fiber holders.
13. Pick up the spliced fiber.
14. Slide Protection until it covers the projection of the flange.

15. Set Sleeve into the heater.
16. Confirm the position before heating. Sleeve at center of heater

17. Heat Protection Sleeve.

18. Pick up Sleeve.

(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
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.

(1) Open the stub and fiber holders.
(2) Open Front Cover
(3) Open STUB side
(4) Push to close
(5) Push "power key" for more than 1 sec.
(6) Do not touch bare fiber
(7) Lightly holding assembly to prevent bending
(8) Lightly maintaining tension to prevent bending
(9) Lightly maintaining tension to fiber
(10) Sleeve must cover ends of primary/secondary coating
(11) Sleeve at center of heater
(12) No gap
(13) No twisting
(14) Never Twist Assembly Tool, otherwise the fiber is twisted
(15) Be careful for hot sleeve, spring and flange even after the cooling by fan.