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)
- Rear Stopper
- Furcation Tube
- Boot
- Protection Sleeve and Spring
- Ferrule Subassembly

(*1) 1 pc / 100 connectors

Recommended Program

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<th>Splicer</th>
<th>Fiber</th>
<th>Splicing Program</th>
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<td>SMF</td>
<td>SM1: SMF1C</td>
<td>Lynx or FPS (60mm)</td>
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<td></td>
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<td></td>
<td>MMF</td>
<td>LYNX-MM</td>
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<tr>
<td>T-Q101-CA (T-71C)</td>
<td>SMF</td>
<td>Standard SMF</td>
<td>Lynx or 60mm 0.9</td>
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<tr>
<td></td>
<td>MMF</td>
<td>MMF 50&amp;62.5</td>
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</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

Either one holder is required.

<table>
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<th>Holder (Fiber Side)</th>
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<th>for 250um fiber</th>
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<td>LYNX2-UML-S</td>
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<td>LYNX2-S-LB5</td>
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Below equipment or tool are examples.

- Fusion Splicer T-Q101-CA(71C), etc.
- Fiber Cleaver FC-6S-C, etc.
- Jacket remover JR-M03, etc.

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, Sakae-ku, Yokohama 244-8588, Japan

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

**ETK1123068B**

### (A) Set Fusion Condition

1. **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

1. **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.

1. **Slide Rear Parts onto the fiber.**
   - Insert fiber into this hole

### (2) Slide Protection Sleeve onto the fiber.

1. **Slide Protection Sleeve onto the fiber.**
   - Push “power key” for more than 1 sec.

### (3) Remove the fiber coating.

1. **Remove the fiber coating.** Approx. 35mm (JR-M03)
   - 0.9 to 0.25mm
   - 0.25 to 0.125mm
   - 0.125 to 0.09mm

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

1. **Clean the fiber with lint-free cleaning wipe.**
   - Moistened with alcohol

### (5) Set the fiber on the holder.

1. **Set the fiber on the holder.**
   - Confirm the position
   - Do not touch bare fiber
   - Good
   - No Good

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

1. **Cleave the fiber (FC-6S)**
   - 1. Place
   - No gap
   - Clean rubber clamp and blade regularly
   - 2. Close
   - 3. Slide
   - Place fiber on V-groove gently

### (7) Set fiber holder on the splicer (left side).

1. **Set fiber holder on the splicer (left side).**
   - No Good

### (8) Pick up the stub and set the stub on the plastic holder.

1. **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).

1. **Set stub holder on the splicer (right side).**
   - Push to close
   - Place fiber on V-groove gently

### (10) Fusion Splice.

1. **Fusion Splice.**
   - If the position of the fiber is wrong, set the fiber or stub again.

### (11) Open the stub and fiber holders.

1. **Open the stub and fiber holders.**
   - Left side first
   - Place fiber on V-groove gently
   - If the position of the fiber is wrong, set the fiber or stub again.

### (12) Pick up the spliced fiber.

1. **Pick up the spliced fiber.**
   - Lightly maintaining tension to prevent bending
   - No twisting
   - No twisting
   - No twisting

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

1. **Slide Protection until it covers the projection of the flange.**
   - Left side first
   - No twisting
   - Lightly maintaining tension on fiber
   - No gap
   - Lynx heater program runs a fan to cool the sleeve after heating

### (14) Set Sleeve into the heater.

1. **Set Sleeve into the heater.**
   - Right side first
   - Then left side
   - No twisting
   - Lightly maintaining tension on fiber

### (15) Confirm the position before heating.

1. **Confirm the position before heating.**
   - Sleeve at center of heater
   - No gap

### (16) Heat Protection Sleeve.

1. **Heat Protection Sleeve.**
   - Button to start heating
   - Cut Tether

### (17) Pick up Sleeve.

1. **Pick up Sleeve.**
   - Be careful for hot sleeve, spring and flange even after the cooling by fan.

### (18) Put Inner Housing.

1. **Put Inner Housing.**
   - APC - Red dot
   - PC/UPC - Black dot

### (19) Put Outer Housing.

1. **Put Outer Housing.**
   - Key
   - Complete

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