**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>Housing Parts</th>
<th>Boot</th>
<th>Furcation Tube</th>
<th>Protection Sleeve</th>
</tr>
</thead>
<tbody>
<tr>
<td>(<strong>1</strong> 1 pc / 100 connectors)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ferrule Subassembly</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**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>Lynx or FPS (60mm)</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>Lynx or FPS (60mm)</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>Lynx or 60mm 0.9</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**

Either one holder and LYNX2-ST Assembly Tool are required.

<table>
<thead>
<tr>
<th>Holder (Fiber Side)</th>
<th>LYNX2-ST Assembly Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>for 900um tight buffer</td>
<td>for 250um fiber</td>
</tr>
<tr>
<td>LYNX2-UML-5</td>
<td>FHS-09</td>
</tr>
<tr>
<td>FHS-025</td>
<td>LYNX2-S-LBS</td>
</tr>
</tbody>
</table>

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.
**LYNX2-ST 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

*Main Menu* Select Fiber Type, then “Return”.

Select Sleeve 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.

See the operation manual of each splicer. These are the example of T-Q101-CA (T-71C).

(1) Slide Housing Parts onto the fiber.

(2) Slide Protection Sleeve onto the fiber.

(3) Remove the fiber coating.

Approx. 35mm (JR-M03)

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

Moistened with alcohol

(5) Set the fiber on the holder.

Confirm the position

Good

No Good

Do not touch bare fiber

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

1. Place

2. Close

Clean rubber clamp and blade regularly

3. Slide

Place fiber on V-groove gently

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

(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).

Push to close

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

(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 Ferrule on Flange.

Cut Tether

LYNX2-ST Assembly Tool

Adjust the Key

Rotate ST Housing Part to the end.

Never twist Assembly Tool, otherwise the fiber is twisted

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