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 Parts
- Boot
- Front Parts
- Protection Sleeve
- Spring
- Ferrule Subassembly
- Dummy Cap

Assembling Tools

- Fiber Holder LYNX2-UML-S
- Cord Tool LYNX2-CORDTOOL
- Fusion Splicer T-Q101-CA, etc.
- Fiber Cleaver FC-6S-C, etc.
- Jacket remover JR-M03, etc.
- Kevlar Cutter

Below tools are required.

- Holder Type
- Cleave length: 10mm

Below equipments or tools are examples.

Recommended Program

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<th>Splicer</th>
<th>Fiber</th>
<th>Splicing Program</th>
<th>Heater Program</th>
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<td>T-25S</td>
<td>SMF</td>
<td>SM1: SMF1C</td>
<td>Lynx or FPS (60mm)</td>
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<td>T-39FH</td>
<td>SMF</td>
<td>LYNX-SM</td>
<td>Lynx or FPS (60mm)</td>
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<td></td>
<td>MMF</td>
<td>LYNX-MM</td>
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<tr>
<td>T-Q101-CA</td>
<td>SMF</td>
<td>Standard SMF</td>
<td>Lynx or 60mm 0.9</td>
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<td>(T-71C)</td>
<td>MMF</td>
<td>MMF 50&amp;62.5</td>
<td>Lynx or 60mm 0.9</td>
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SMF : G.652, G.657
MMF : MM50(OM2), MM50(OM3), MM50(OM4), MM62.5(OM1)

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.
Assembly Procedure

(A) Set Fusion Condition

- Slide Rear Parts and remove the Slit tube.
- Grip Cord Tool and pull the cord. Then the outer sheath is separated into two pieces.

(B) Perform Arc Test

- Open Cord Tool and set the cord on the proper groove. Rotate the cord, then remove the outer sheath.
- Cut the Kevlar.
- Slide Protection Sleeve onto the cord.
- Remove the fiber coating from the marking point.

Steps:
1. Slide Rear Parts and remove the Slit tube.
2. Open Cord Tool and set the cord on the proper groove. Rotate the cord, then remove the outer sheath.
3. Set the cord on the proper groove. Mark on the 900μm fiber.
4. Grip Cord Tool and pull the cord. Then the outer sheath is separated into two pieces.
5. Slide Protection Sleeve onto the cord.
6. Cut the Kevlar.
7. Remove the fiber coating from the marking point.
8. Clean the fiber with lint-free cleaning wipe.
9. Set the fiber on the holder.
10. Cleave the fiber (FC-65)

Other steps:
- If the position of the fiber is wrong, set the fiber or stub again.
- Perform Arc Test

See the operation manual of each splicer. These are the example of T-Q101-CA (T-71C).
LYNX2-FC for Optical Cord with Tight Buffered Fiber
Assembly Procedure

(17) Slide Protection Sleeve until it covers the projection of the flange.

(18) Slide the spring onto separated sheath.

(19) Set Sleeve into the heater.

(20) Confirm the position before heating.

(21) Heat Protection Sleeve.

(22) Pick up Sleeve.

(23) Slide Rear Parts.

(24) Disassemble Boot / Kevlar Stopper and Rear Stopper.

(25) Key Alignment.

(26) Push ferrule to the end.

(27) Assemble the housing.

(28) Slide the Boot and Kevlar Stopper.

(29) Push the Kevlar stopper lightly.

(30) Secure Kevlar by Kevlar stopper.

(31) Trim Excess Kevlar by Kevlar Cutter, remove Dummy Cap and cut the tether.

(32) Complete.