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.

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.

Precautions

Composition

Disposal Holder (1 pc / 1 set connectors)

Slit Tube

Boot

Protection Sleeve

Ferrule Subassembly

Not use

Ferrule Subassembly

Assembling Tools

Below tools are required.

- Fiber Holder: LYNX2-UML-5
- Cord Tool: LYNX2-CORD TOOL
- LYNX2-ST Assembly Tool

Below equipments or tools are examples.

- Fusion Splicer: T-Q101-CA, etc.
- Fiber Cleaver: FC-65-C, etc.
- Jacket remover: JR-M03, etc.
- Kevlar Cutter

Recommended Program

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<td>Lynx or 60mm 0.9</td>
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SMF: 6.652, 6.656
MMF: MM50(OM2), MM50(OM3), MM50(OM4), MM62.5(OM1)

*Fiber for testing is not included in the kit.

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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LYNX2-ST for Optical Cord with Tight Buffered Fiber Assembly Procedure

(A) Set Fusion Condition

1. Slide Housing Parts onto the cord.
2. Open Cord Tool and set the cord on the proper groove. Rotate the cord, then remove the outer sheath.

(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 cord.
(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 900um fiber. Open Cord Tool and set the cord.

(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) Put on Slit tube.

(8) Remove the fiber coating from the marking point. (JR-M03)

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

(10) Set the fiber on the holder.

(11) Cleave the fiber (FC-65)

(12) Set fiber holder on the splicer (Left side).

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

(14) Set stub holder on the splicer (Right side).

(15) Fusion Splice.

(16) Open the stub and fiber holders.

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LYNX2-ST for Optical Cord with Tight Buffered Fiber
Assembly Procedure

17. Pick up the spliced fiber. Lightly maintaining tension to prevent bending.

18. Slide Protection Sleeve until it covers the projection of the flange. No twisting.

19. Slide the Slit tube onto separated sheath. If sheath and Kevlar are inserted the protection sleeve, pull out from the sleeve.

20. Set Sleeve into the heater. Right side first, Then left side. Lightly maintaining tension on fiber.


22. Heat Protection Sleeve. Lynx heater program runs a fan to cool the sleeve after heating.

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

24. Remove the Slit tube. If sheath ride on the protection sleeve, please cut that amount. (Do not cut Kevlar)

25. Slide Rear Parts. Rotate ST Housing Part to the end. Never twist Assembly Tool, otherwise the fiber is twisted.


27. Put Ferrule on Flange. LYNX2-ST Assembly Tool. Adjust the Key.

28. Pull out Outer Sheath and Kevlar from Rear Stopper. Divide the Kevlar to two bunch.

29. Slide the Boot and Kevlar Stopper. Lightly.

30. Push the Kevlar stopper lightly.

31. Secure Kevlar by Kevlar stopper.

32. Cut the tether.

33. Complete.