

PRECAUTIONS:

- Safety glasses should be worn at all times while performing the installation procedures
- Avoid skin contact with epoxy or anaerobic adhesive
- When the heater is in operation, place it away from combustibles.
- Disconnected optical connectors may emit radiation if the far end is coupled with a working laser or Light-Emitting Diode (LED). Do not view the fiber end of a cable or plug with an optical instrument until absolute verification is established that the fiber is disconnected from any laser or LED source.
- For cleaning of this fiber optic products, always use Beyondtech Isopropyl Alcohol & lint-free wipes.

REQUIRED TOOLS AND MATERIALS:

- Scissors .
- Fiber Crimp Tool.
- Dual Hole Strip Tool.
- Cable Jacket Stripper.
- Strive Tool.
- Inspection Microscope.
- Oven .
- Epoxy / Anaerobic Adhesive .
- **Beyondtech** Lint Free Wipes.
- Isopropyl Alcohol.
- Marker.
- Lappin Films.

ASSEMBLY PROCEDURE:

- Slide the boot, ring and junk ring inside the Fiber cable see Figure N° 1.

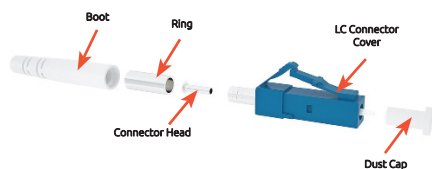


Figure N° 1

- Remove the connector dust cover from the connector head.
- Prepare epoxy or anaerobic adhesive according to manufacture instruction.
- Apply to the connector head using a syringe you should stop injecting epoxy or anaerobic adhesive when the glue forms a small bead at the top of the connector ferrule review figure N°2.

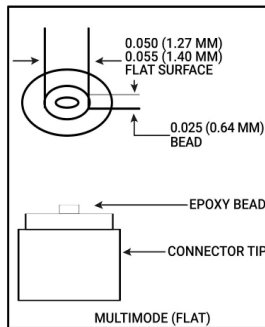
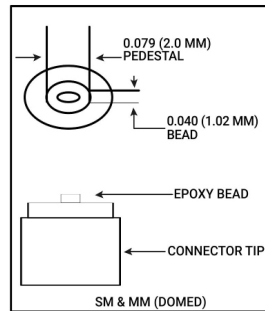
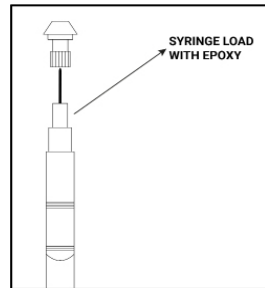


Figure N° 2

- Mark the cable as shown in figure N° 3.

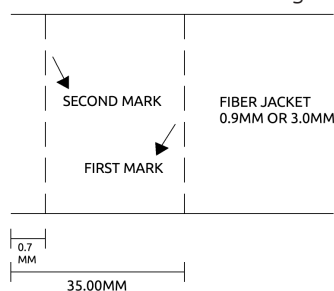


Figure N° 3

- Using the cable jacket stripper, strip the outer jacket to the second mark.

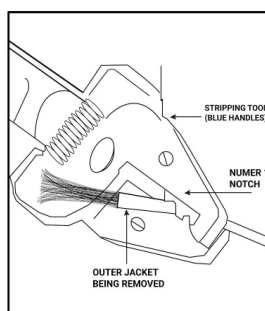
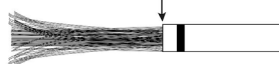
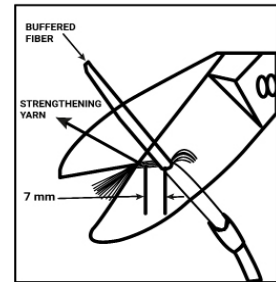


Figure N° 4

- Trim the aramid strength members close to the jacket. Be careful not to break the fiber review figure N° 5.



TRIM ARAMID STRENGTH MEMBERS BACK TO CABLE JACKET



Figure N° 5

- Using the cable jacket stripper, strip the outer jacket to the FIRST mark. It should look like figure N° 6

STRIP OUTER JACKET TO FIRST MARK

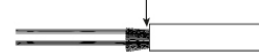


Figure N° 6

- Using the dual holes strip tool strip the fiber completely until the fiber core appears, clean it with Beyondtech lint-free wipes.

- Insert the bare fiber through the connector head with a twisting motion until fiber jacket buttons against the ferrule.

- If using oven place the connector assembly into one of the ports. Cure for the time recommended for epoxy supplier.

- Slide the junk and the ring towards the connector head position and with the crimp tool apply pressure onto the assembly junk- ring-connector head .

- Slide the boot over the crimped area of connector. Place the strive tool directly above the ferrule and lightly draw the beveled edge across the fiber Pull it straight away from the connector to complete the cleaving operation.

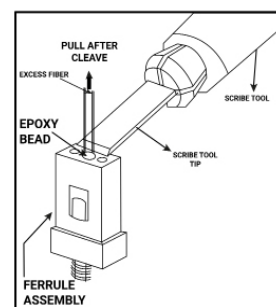


Figure N° 7