

Mechanical Splice Instructions

Termination With:
2.0mm or 3.0mm Jacketed Cable, 900 μ m and 250 μ m

This guide describes mechanical splice installation with 2.0mm or 3.0mm jacketed cable. Due to SSF™ fiber's extreme durability your cleaver may require a wheel height adjustment to successfully cleave SSF™.

Installation on 900 μ m and 250 μ m Cables:

Installation on cables with an outer diameter less than 2.0mm will require the use of appropriately-sized build-up tubes.

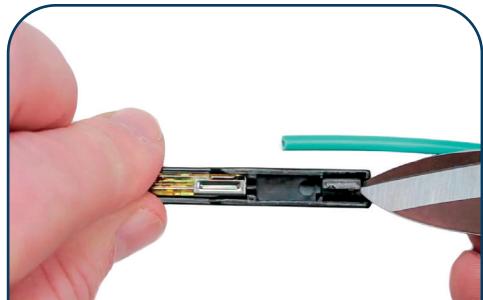
In **Step 5**, install build-up tube onto cable to be spliced. In **Step 16**, place build-up tube under jacket sleeve ring prior to insetting.



1. Remove the left and right covers from mechanical splice, placing one on each leg of cable to be joined with arrows pointed towards the needed splice.



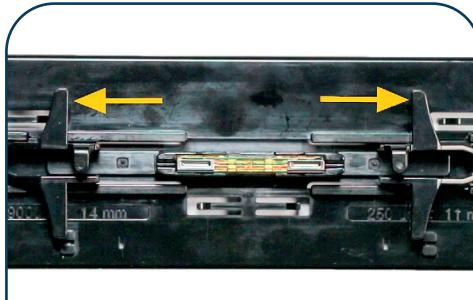
1A. OPTIONAL: For outdoor application, insert heat shrink tubing on end of cable to be spliced.



2. Remove the left and right jacket sleeve rings from the assembly with a sharp edge and set aside.



3. Remove the yellow fiber splice with fingers or sharp edge. Avoid touching fiber opening. Place in splice installation tool.



4. Slide each of the two assembly activator slides away from the center of the tool.



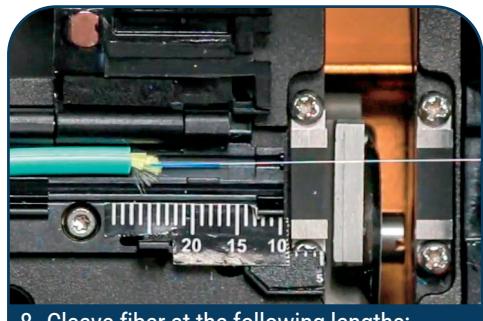
5. Using the appropriately sized opening on strippers for cable being spliced, remove approximately 50 mm/2" of the cable jacket. If needed, install build-up tube.



6. Hold the aramid yarns back and locate SSF fiber. Trim the yarns closely to the jacket.



7. Using only fingertips/nails remove Soft Peel 250 μ m coating completely from the fiber to within approximately 12 mm or 1/2" of the cable jacket. Repeat process for other cable.



8. Cleave fiber at the following lengths;
2mm or 3mm Jacket = 28mm
900 μ m = 14mm
250 μ m = 14mm

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9. If possible, connect VFL on the opposite end of one of the fibers being spliced for verification purposes.



10. Insert cleaved fiber into the left opening of splice by placing in v-groove at a slight angle. Slide forward until jacket touches side of black splice holder.



11. Insert cable under slide arm and place into foam holders so cable lays straight. Repeat the previous cleaving process for the right cable fiber leg to be joined.



12. Insert the right fiber forward into splice, watching for movement of the left fiber as it is pushed from within the splice and/or loss of light if using a VFL.



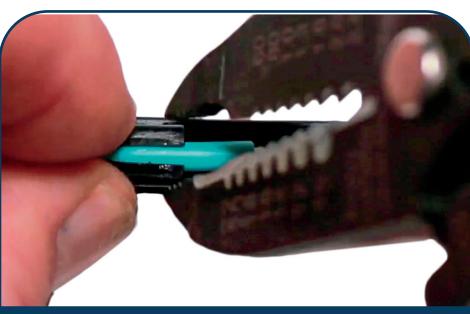
13. Upon movement, loss of light, or both, maintain forward pressure with a bow in the cable and place cable under slide arm and into foam cable holder



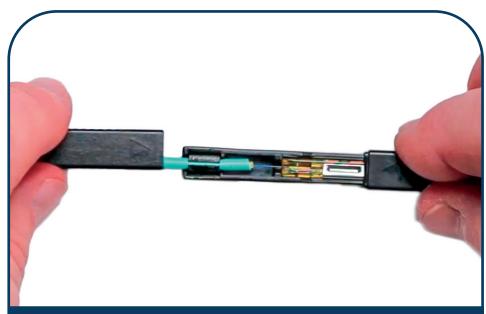
14. Maintain forward pressure and loss of light while pushing each of the two slide arms towards the center. Slide the metal tabs until they touch to lock in the fibers.



15. Carefully remove splice and fiber cable from tool and place into splice assembly.



16. Place jacket sleeve ring on cable, ensuring it is over sleeve windows and fiber is straight. Squeeze ring carefully with pliers to inset into place. Repeat for left cable.



17. Slide left and right splice covers with arrows positioned towards center to complete splice.



18. Completed splice.



18A. OPTIONAL: Wrap cable with heat shield tape 15mm both ends of mechanical splice protector. Place heat shrink tubing covering mechanical protector.



18B. OPTIONAL: Using torch, apply heat from center to the ends. Verify no air is captured inside.