

# FiberFin SMA Connector Field Termination Instructions



## Needed supplies to make a POF cable.

- 1) SMA Simplex POF connector . Part# FF-SMA1000
- 2) 1 x 2.2mm Simplex POF Cable
- 3) SMA Ultra Low Loss cutter , Part # FF-SMA-RZR-1
- 4) SMA Simplex Crimp Tool , Part # FF-HTCSWG-SMA

## Work instructions are designed to work with the SMA POF Connector Part # FF-SMA1000

1. If necessary, use the tool to cut the plastic optical fiber from the cable spool or just finishing the bare cable in slots # 1 as shown in (Figure 1).
2. If using a duplex cable, it can be split as shown in Figure 2. Insert cable into slot and push down lever, (Figure 2 & 3 ) remove and separate the zipcord approximately 2”.
3. Slide the slit POF cable into the strip hole, Item 4 in Figure 1. You want to strip at least 1” of jacket off the cable.
4. To strip the fiber, insert the fiber into the tool and close the tool. Keep the tool closed then rotate at least 1 ½ turns (Figure 4) Then pull outward to remove the jacket. (Figure 5)
5. Note: you only use one hole at a time, there are two holes supplied for blade wear.

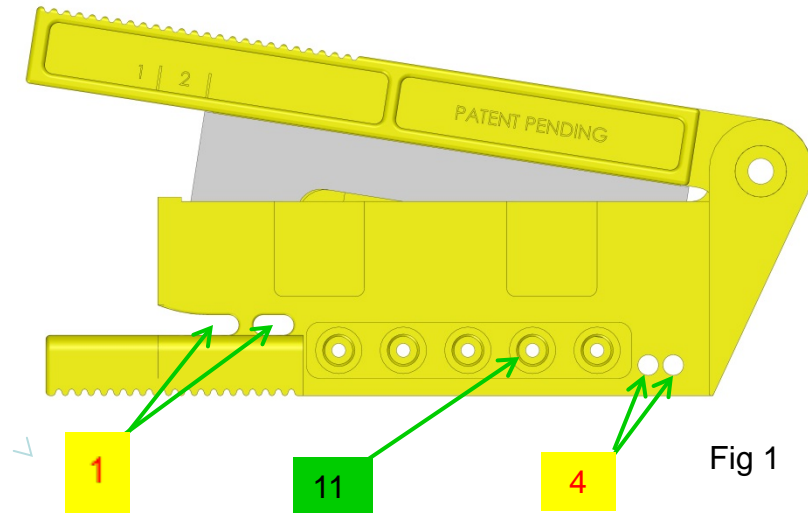


Fig 1

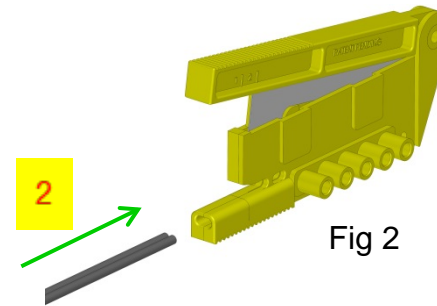


Fig 2

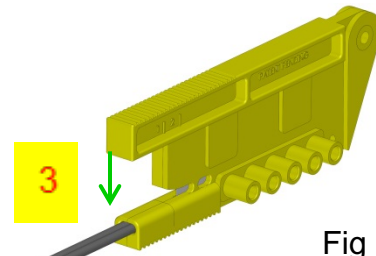


Fig 3

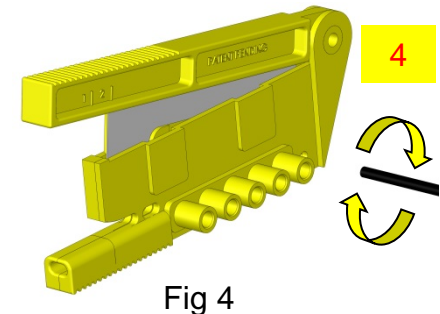


Fig 4

# FiberFin SMA Connector Field Termination Instructions

*Work instructions are designed to work with the SMA POF Connector Part # FF-SMA1000 (Continued)*

6. If you are using duplex cable, Line up the second fiber to the seam of the tool as shown in Figure 5 and then remove that jacket as well.

7. After stripping, the fibers should appear as they do in Figure 6.

8. Slide the fiber into the SMA connector housing so it bottoms out in the Connector (Figure 7).

9. To secure the connector on the cable use Crimp/Swage tool FF-HTCSWG-SMA (Item 4) Then on the fiber / end of the connector you can then "SWAGE" the connector onto the fiber. Note: Detail instructions about the SMA crimp tool comes with the tool or on the [FiberFin.com](http://FiberFin.com) website.

10. The Crimped SMA Connector assembly is now ready to be finished,

11. Position the blade to just clear the fiber but low enough to act as a stop on the connector. [see figure #1] arrow 11

12. Insert connector into the holes in the front of the tool [Figure 8-9]

13. The connector should be seated flush as shown in (Figure 9). Hold "IN" the SMA connector while cutting to insure proper cut position [flush with the end of the connector].

14. Cleave off the excess fiber by pushing down on the handle. [Figure 10]

15. The final assembly should appear as shown in Figure 11. Your Done! Ready for your TX or RX

16. Note: There are 6 holes. Each set is good for a maximum of 10 cuts.

17. Note: If you are using a bulkhead coupler with this procedure, Use the Polishing paper to make sure you have a flush cut.

18. \*\* see [BULKHEAD Final Finishing] document for details

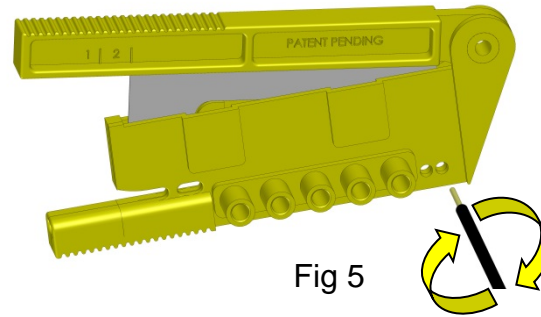


Fig 5

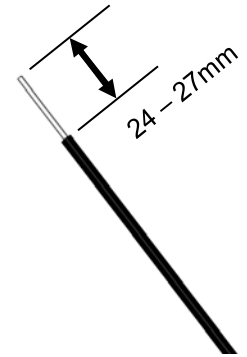


Fig 6

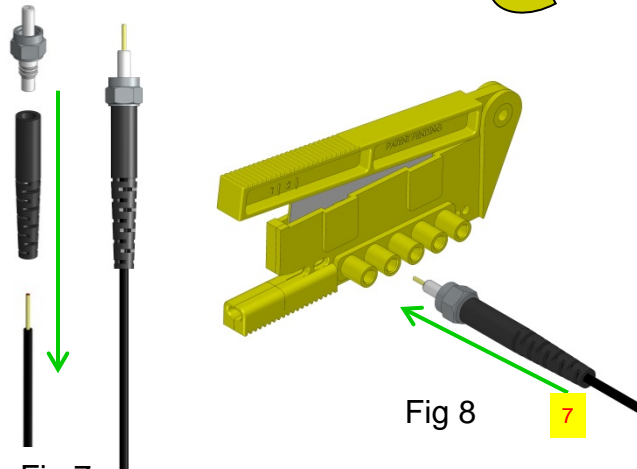


Fig 7

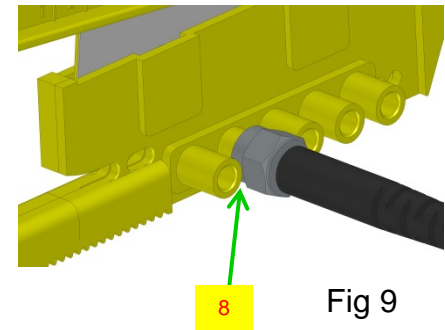


Fig 9

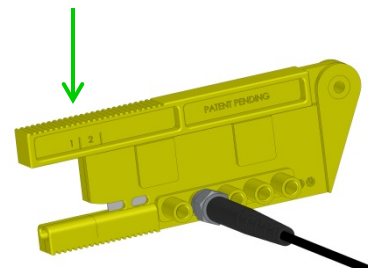


Fig 10



Fig 11