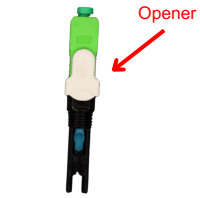
FieldConx™ Fiber Optic Field-Installable Connectors and Tools

Installation Instructions

SC R-Type

Tools Needed:



Field Connector


Tail Boot


Dust Free Wipe


Cutting Jig


Miller Pliers


Jacket Cutter


Kevlar Scissors


Cleaver

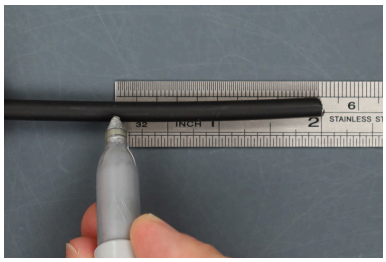

Ruler

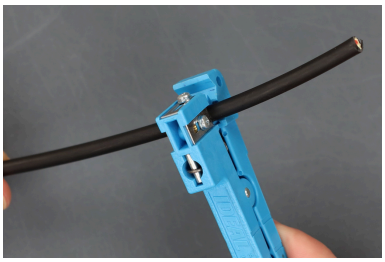

Permanent Marker

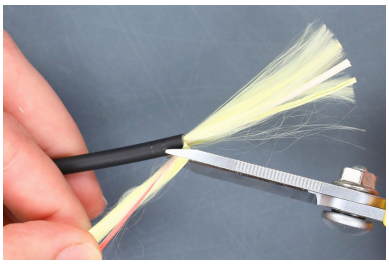
**Note: Connector, tail boots, opener, and dust free wipe are included when purchasing the connector. Our other tools and supplies are sold separately.

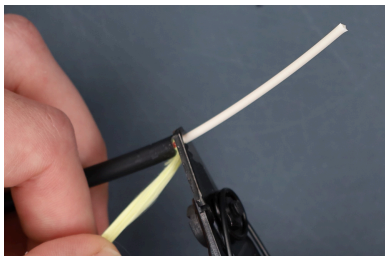
For 5mm Round Cable

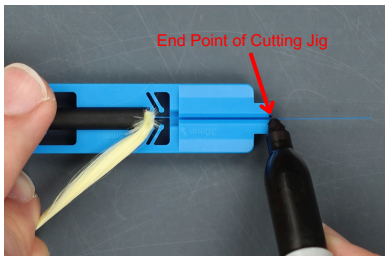

Step 1: Put boot on cable.


Step 2: Mark cable at 5cm.

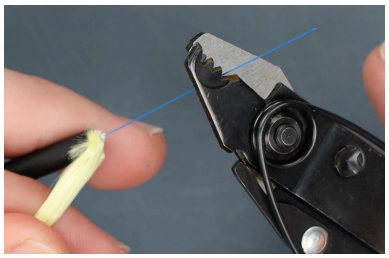

Step 3: Strip the outer jacket at the marked spot

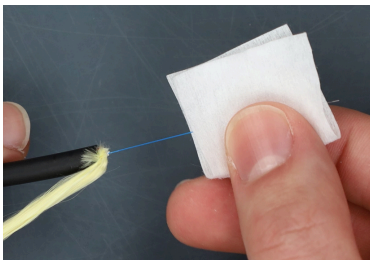

Step 4: At the interface of the 5mm jacket, cut off the ripcord and 50% of the Kevlar.
**Note: If there are any excess fibers, cut off those as well.

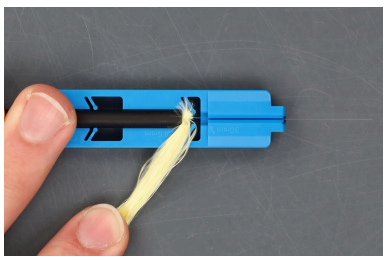

Step 5: Strip away any additional tubing at interface of cable, only a single 900 µm tight-buffer or loose tubing fiber should be remaining.
**Note: If the 900 µm tubing is tight-buffer, you will be left with bare fiber and will skip Step 6 and Step 7. Move ahead to Step 8.

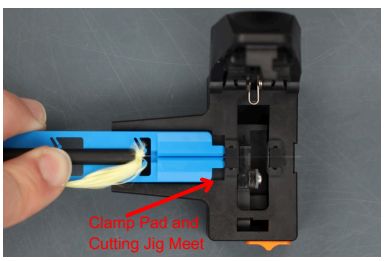


Step 6: If the 900 µm tubing is loose tube, remove the tubing at the interface of the cable. Place the cable in the cutting jig and mark the fiber at the end point of the cutting jig.

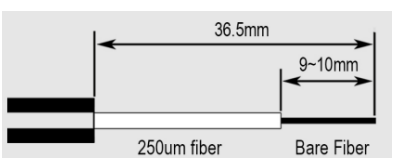

Step 7: Strip off the 250 µm coating back to the added mark—stripping off the mark in the process.


Step 8: Clean the bare fiber with the dust-free wipe.

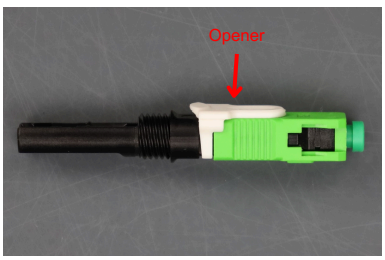

Step 9: Fix the fiber in the cutting jig. The 5mm tubing must meet the cutting jig limit.



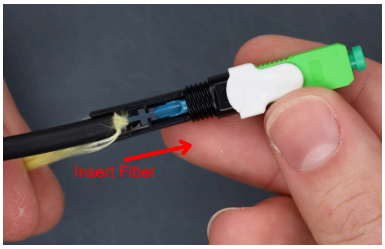
Step 10: Slide the cutting jig in the holder slot of the cleaver until the end of the cutting jig meets the clamp pad. Cleave fiber.



Note: The appropriate lengths of fiber and jacketing after cleaving.
****Photo Not to Scale**

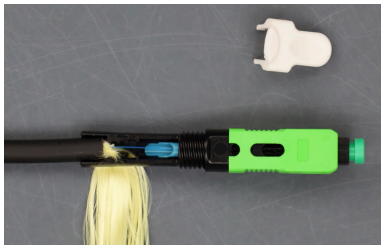


Note: Ensure that the opener is properly seated on the connector.

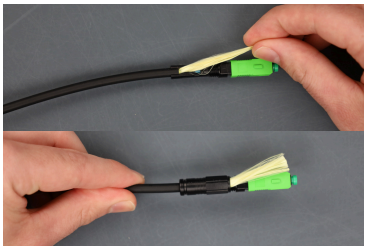


Step 11: Insert the fiber into the connector until the fibers meet inside—you'll feel resistance.

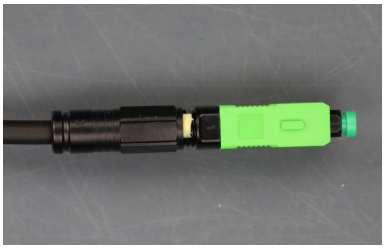
Note: There should be a slight bend in the fiber.



Step 12: Remove the pusher.
****Note:** Do NOT discard the pusher[1]



Step 13: Straighten the Kevlar over the connector. Push the boot over the Kevlar and onto the base of the connector. Start threading the boot on—1 or 2 turns.
****Note:** Ensure that some of the Kevlar is between the boot and the threads of the connector.



Step 14: Cut off the excess Kevlar.

Step 15: Screw the boot up all the way to complete the assembly.

[1] - Connectors can be re-terminated at least 3 times.