FieldConx™ Fiber Optic Field-Installable Connectors and Tools

Installation Instructions

SC R-Type

Tools Needed:

Opener

Field Connector | Tail Boot | 900µm Soft Tail Boot | Dust Free Wipe | Cutting Jig | Miller Pliers | Kevlar Scissors | Cleaver | Ruler | Permanent Marker
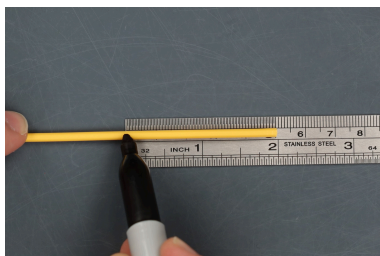
**Note: Connector, tail boots, opener, and dust free wipe are included when purchasing the connector. Our other tools and supplies are sold separately.
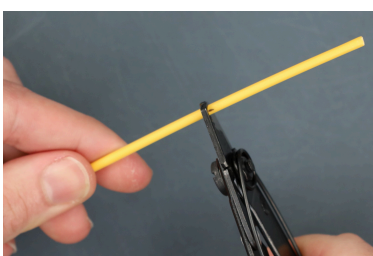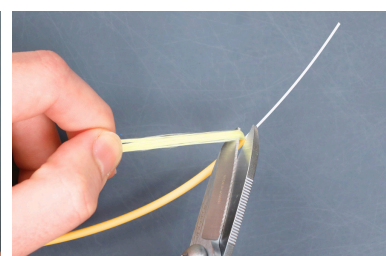
For 3mm Round Cable

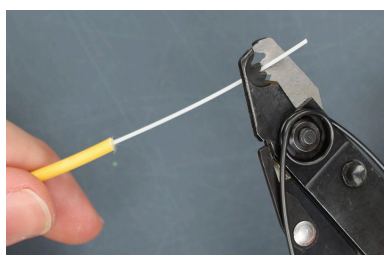**Step 1:** Put boot and soft tail on cable.

Step 2: Mark cable at 5cm.

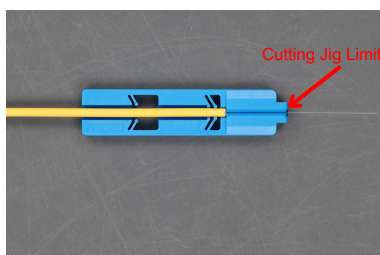**Step 3:** Strip the outer jacket at the marked spot

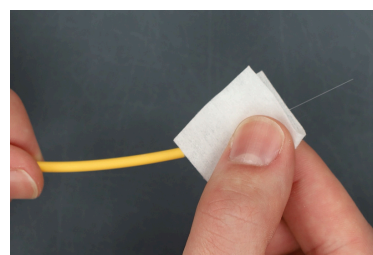**Step 4:** At the interface of the 3mm jacket, cut off all the Kevlar.

Step 5: Strip the 900 µm tubing at interface of cable. Do this in small sections at a time to avoid breaking the fiber.
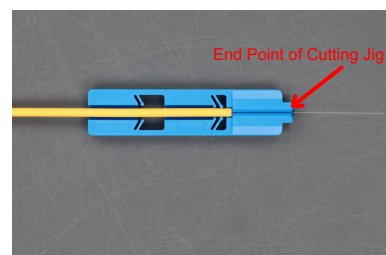****Note:** If the 900 µm tubing is tight-buffer, you will be left with bare fiber and will skip Step 6 and Step 7. Move ahead to Step 8.
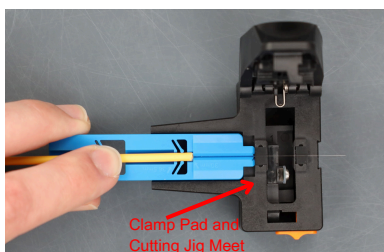
Cutting Jig Limit

Step 6: If the 900 µm tubing is loose tube, your fiber will still have 250 µm coating. Place the cable in the cutting jig and mark the fiber at the end point of the cutting jig. Strip off the 250 µm coating back to the added mark—stripping off the mark in the process.
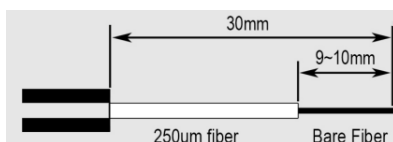
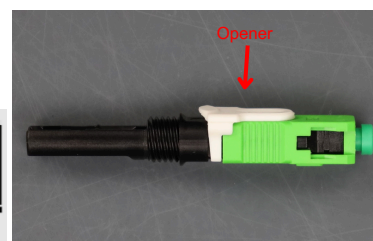**Step 7:** Clean the bare fiber with the dust-free wipe.

End Point of Cutting Jig

Step 8: Fix the fiber in the cutting jig. The 3mm tubing must meet the cutting jig limit.
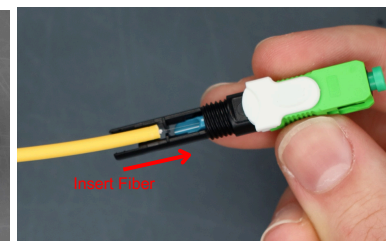
Clamp Pad and Cutting Jig Meet

Step 9: Slide the cutting jig in the holder slot of the cleaver until the end of the cutting jig meets the clamp pad. Cleave fiber.
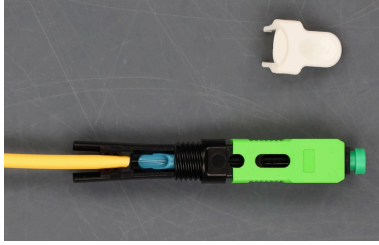
30mm
9~10mm
250um fiber   Bare Fiber

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

Opener

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

Insert Fiber

Step 10: Insert the fiber into the connector until the fibers meet inside—you'll feel resistance. Push the 3mm tubing into the slot with teeth at the base of the connector.
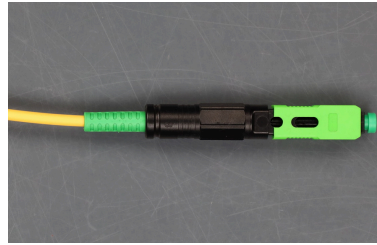****Note:** There should be a slight bend in the fiber.

Step 11: Remove the pusher.
**Note: Do NOT discard the pusher[1]

Step 12: Push the soft tail into the end of the connector. Ensure the rectangular wing is oriented upward.

Step 13: Screw the boot up all the way to complete the assembly.

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