1. Connector components and tools
Fuseconnect-MPO is assembled with the parts as shown below.

1.1. Connector unit

1.2. Assembly tools

2. Fiber preparation tools

3. Operation Procedure
3.1. Preparation
3.1.1 Insert Boot

Insert the stopring into the boot. Insert the assembled boot unit through the ribbon fiber.

3.1.2 Strip Fiber

Set 35 mm of fiber protrusion on the FH-50-12 fiber holder. Place the fiber holder into the fiber stripper. Ensure there is no gap. Strip the fiber.

3.1.3 Fiber cleaning and screening

Clean the fiber surface after the coating is removed with cotton dipped in alcohol. Bend the fiber up and down, left and right 3 times slowly with the finger (about 60°) to verify that it does not break.

3.1.4. Cleave fiber

Cleave the fiber leaving 10 mm of bare fiber.

Note: During fiber preparation, broken fiber may get injure the eyes or other parts of the body. Always wear eye protection when handling optical fibers and dispose of any cut or cleaved ends properly.
3.2.2. Fusion splice

3.3. Reinforce splice point by mechanical clamp

3.3.1 Set mechanical clamp body on assembly tool

3.3.2. Remove spliced fiber

3.3.3. Set spliced fiber on assembly tool

3.3.4. Assemble mechanical clamp

3.4. Housing assembly

3.4.1 Removing the connector from assembly tool

3.4.2. Assemble boot unit and housing assembly

The MPO Connector (Ribbon) is complete!

Splice cable to connector

Secure the mechanical sleeve shut by pushing down on the press. Some clicking sound is normal. Remove the press.

Note: Shut the hinge while the tape is under tension.

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