



10011315 - Mechanical Splice

Product Overview

The Hexatronic Mechanical splice provides a quick and reliable connections with a maximum insertion loss of just 0.5dB With an average of 0.1dB. Using a standard 90 degree cleave the mechanical splice return loss is 40dB

The Universal Mechanical Splice can be used for either primary coated 250µm or 900µm tight buffer fibers.



Features

- Fast termination
- Simple training
- Low cost tooling
- Multimode and Single mode



Applications

Model No	SWF-MSF-JIG
Dimensions	45 mm x 4 mm x 4mm
Connection Type	250µm or 900µm

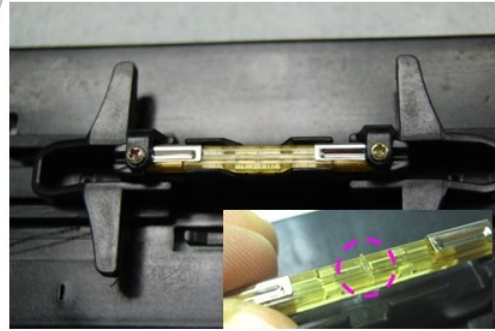


1



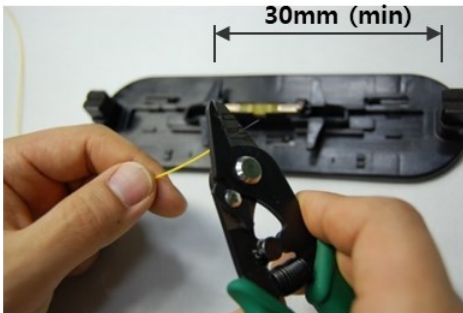
- Prepare the mechanical splice and assembly tools

2



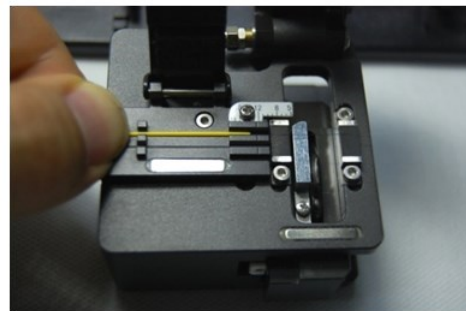
-As shown above, turn the protrusion of splice downward and Insert splice into Jig

3



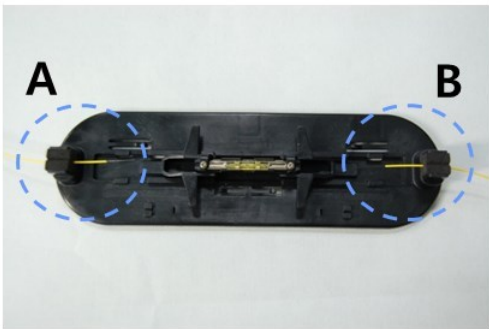
- Strip the 900/250 μ m coatings to a length of 30mm.
- Clean the fiber using the alcohol and lint free wipes.

4



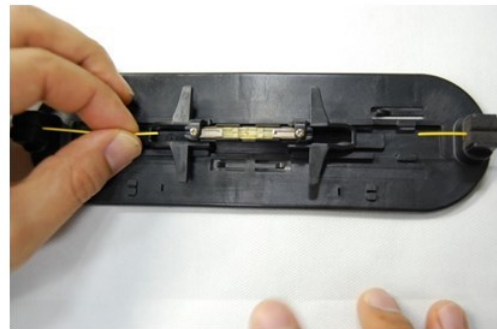
- Cut off the fiber using a precision optical fibre cleaver,
900 μ m : 14mm
250 μ m : 12.5mm

5



-Prepare both fibre ends and cleave to length
- Once cleaved insert into Fibre restraints 'A' and 'B'

6



- Insert the prepared optical fibre into the mechanical Splice using the guide on the tool. Fibre should be pushed Only until a gentle bend is seen on the fibre.

7



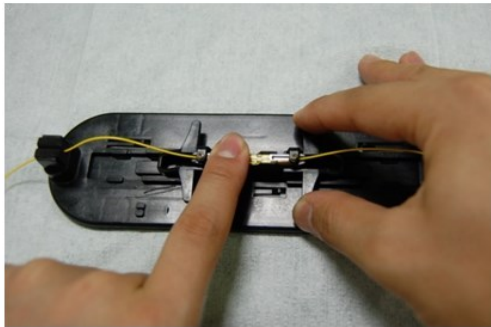
- The fibre should be restrained in a light bend position using the fibre restraint.

8



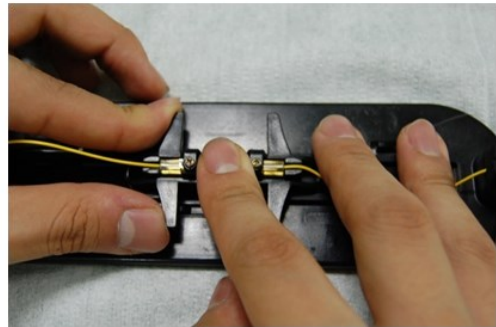
- Repeat the connect the opposite side of the mechanical splice.

9



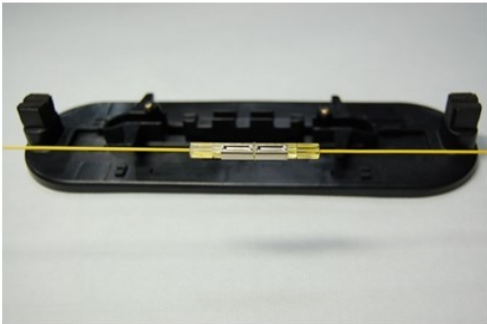
- Hold the Mechanical splice in place and push the Jig tabs forward to engage the 'V-clamp'

10



- Repeat this both sides until the Mechanical Splice is fully engaged.

11



- Completion



1



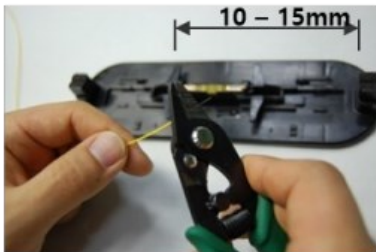
Prepare the mechanical Termination and assembly tools

2



-As shown above, turn the protrusion of Termination downward and Insert splice into Jig

3



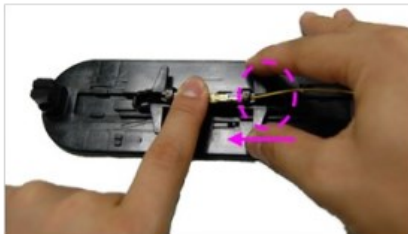
- Strip the Fibre coatings to a length of 10-15mm.

4



- Insert the prepared optical fibre into the mechanical Termination using the guide on the tool. Fibre should be pushed until a gentle bend is seen on the fibre.

5



- Hold the Mechanical termination in place and push the Jig tabs forward to engage the 'V-clamp'

6



- Completion

7



-The Mechanical Termination should be installed in the splice Cassette above the Splitter

8



-To alert engineers to the unused ports a caution sticker should be applied directly to the splice holder. -(under the Clear cassette lid)

Ordering Information

Part number	Description
FPCM-SWF-MSP-JIG	Mechanical Splice