

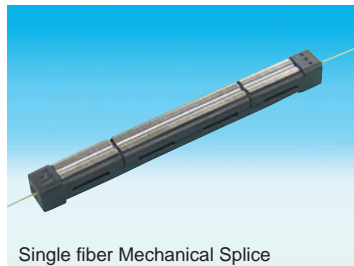


## Connectivity Solution/Field-Installable Connectors

Fujikura has greatly simplified the process of joining two fibers, therefore providing significant support for our customers in the construction of FTTH network. Key innovations include Mechanical Splice (aligns and joins two fibers), FAST-SC /FA connector (do not require any assembly tools) and SpliceMate™ fusion splicer (incorporate all of Fujikura's Fusion Splicer technologies developed so far).

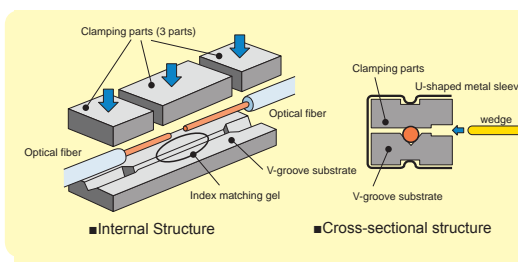
### Mechanical Splice Unit

### Mechanical Splice Unit / EZ Splice



Single fiber Mechanical Splice

Mechanical splice connection makes use of mechanical splice unit where 2 fibers are first inserted into the unit. The fibers are next aligned and then held in position by clamping parts. Besides requiring no electricity, it is also much faster compared to fusion splicing method. (Please refer to P.60 「Fundamental Knowledge」)



#### 「Mechanical Splice unit」

Type	Mechanical Splice Unit	
Item	Φ0.25mm single fiber	Φ0.9mm single fiber
Product Code	FMS-025	FMSEZ-025/09
Size	40 X 4 X 4 (mm)	
Connection Loss	Average < 0.1 dB	
Return Loss	≥ 40dB	
Fiber Adhesion Force	< 3N (< 0.2 dB)	
Required Tools	Single fiber MS/EZ connection tools	

### Mechanical Splice

### Single Fiber MS/EZ Assembly Tool



Assembly Tool

※ The color of the Mechanical Splice may be changed without prior notification.

- MS/EZ assembly tool for Φ0.25mm single optical fiber.
- Easier MS/EZ assembly than one with existing tool.
- MS/EZ assembly tool for FMSEZ-025.
- No electric power is required and assembly can be done quickly.
- Suitable for FTTH drop cable solution.
- MS/EZ assembly kit is also available.

#### Single Fiber MS/EZ Assembly Tool and Accessories

Item	Model No.	Quantity	Remarks
Single fiber MS/EZ Assembly Tool	FMSECO-TL2-EZ	1 ea	
Mechanical Stripper 「F」	FMSECO-MSTR025	1 ea	
Single Fiber Holder 「F」	FMSECO-FH05/025	10 ea	
Spacer for Mechanical Splice Spacer 「F」	FMSECO-SP-C2	2 ea	
Alcohol Bottle	FMSEZ-ALC	1 ea	
Wiper	-	1set	
Instruction Manual	-	1set	
Carrying Case	-	1set	
Fiber Cleaver	CT-30	-	Option
Micro Stripper (Φ0.9)	MS1-08S-40-FS	-	Option
Single Fiber Holder 「F」 (Φ0.9) (Instruction Manual Included)	FMSECO-FH09	-	Option

Single fiber MS/EZ assembly tool (for Φ250 μm fiber) is also available

- FMSEC0EZ-KIT025C-10 (without Fiber Cleaver)
- FMSEC0EZ-KIT025C-11 (with Fiber Cleaver)