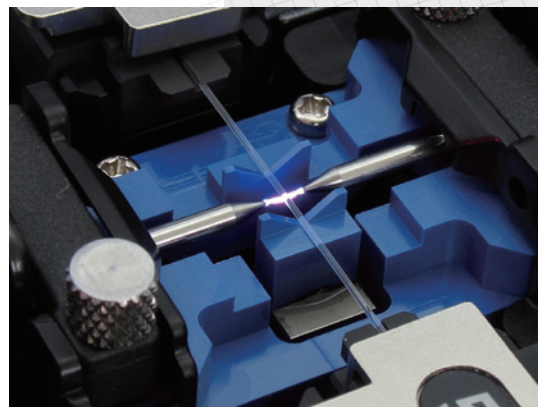


S178LDF Core Alignment Large Diameter Fiber Fusion Splicer

The FITEL S178LDF Core Alignment Large Diameter Fiber Fusion Splicer is able to splice fibers of up to 450μm in cladding diameter. Its robust, compact and hand-held design allows the operator to use it at any location. The fast splicing and heating, as well as simple operation, maximize the working efficiency.

Feature

- Available for Large Diameter Fiber of up to 450μm in cladding diameter
- Rugged and compact design
- Available for hand-held operation
- Fast splicing & heating
- Available for operation by internal battery



Specification

Applicable Fibers	LDF, SM, MM
Cladding Diameter	125 to 450μm
Coating Diameter	150 to 2000μm
Fiber Cleave Length	10mm
Average Splice Loss	SM: 0.02dB, MM: 0.01dB (125μm cladding fiber)
Splice Time	9 seconds (125μm cladding SM fiber)
Heat Time ^{*1)}	31 seconds ^{*1)} (S922: 40mm Sleeve, S921: 60mm Sleeve)
Splice Programs	Max. 150
Heat Programs	Max. 18
Applicable Sleeves	20 / 40 / 60 mm
Splice Memory	Max. 2000
Dimension	159 W x 231D x 130 H mm (including shock absorber)
Weight	1.9 kg (without battery)
Monitor	3.5" color LCD monitor
Data Output	USB ver.2.0 mini
Battery Capacity ^{*2)}	Typical 60 splice / heat cycles with single battery
Operating Temperature	-10 to +50°C (0 to 95% Relative Humidity [Non-Condensing])
Storage Temperature	-40 to +60°C (0 to 95% Relative Humidity [Non-Condensing])
Humidity	0 to 95% Relative Humidity (Non-Condensing)
Power Source	AC Input 100 to 240 V (50/60Hz), DC Input 11 to 17 V

* 1) The first heating after turning on the power can be longer than the usual heating time.

* 2) The number of splicing and heating cycles the machine can produce using a fully charged brand new battery at room temperature of 20°C, semi-auto mode for splicing 125μm cladding fiber and regular mode for heating. Depending on the condition of the battery and operation environment, the number can vary.

Standard Package

Item	P/N	Quantity
① S178LDF Main Body *3)	S178-L-A-0001	1
② Hard Carrying Case	HCC-01	1
③ Battery Pack	S943B	1
④ Spare Electrodes	S969	1pair
⑤ AC Adapter for S178LDF	S976B	1
⑥ AC Cable Cord	-	1
⑦ Electrode Sharpener	D5111	1
⑧ Cleaning Brush	VGC-01	1
User Manual	FTS-B410	1

* 3) Without Fiber Holder



Optional Accessories

Item	P/N	Quantity
① Soft Carrying Case	SCC-01	1
② Cooling Tray	CTX-01	1
③ Angled Stand	AGS-01	1
④ Battery Pack	S943B	1
⑤ Battery Charger	S958C	1
⑥ USB Cable	USB-01	1
⑦ Removable Fiber holder *4)		
250μm coating diameter fiber	S712S-250	1pair
500μm coating diameter fiber	S712S-500	1pair
900μm coating diameter fiber	S712S-900	1pair

* 4) Fiber holders in other coating size are available.
Please inform us about the coating diameter in the range of 150-2000μm.



Introduction of Other Fusion Splicer

S178A

For regular fiber
(125μm cladding fiber)



S183PMII ver.2

(up to 500μm cladding fiber)

S184PM-SLDF ver.2

(up to 1200μm cladding fiber)

For PM fiber
and Large diameter fiber



Related Tools

Stripper

3SAE Thermal Stripper- High Strength Adjustable
ACC-01-0059

【 Key Features 】

- Supports fibers with cladding diameters from 30μm to 1000μm, with buffer diameters up to 1200μm
- Adjustable temperature and time settings for different fiber coatings
- Dimensions : 129.5W × 73.5D × 71H mm
- Weight : 445 g



Cleaver for Large diameter fiber

Northlab ProCleave LD™
CL-01-01000

【 Key Features 】

- For fiber claddings from 125μm to 550μm and coatings up to 900μm
- Low cleave angles (typically <0.5°)
- Can be powered with battery or external power supply
- Dimensions : 150W×100D×60Hmm(without lever)
- Weight : 1.1 kg



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