



Ribbon fibre splicer

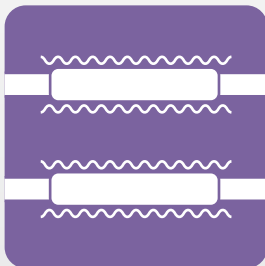
# TYPE-82M12



Useful cloud hosted splicer services via your smartphone App.



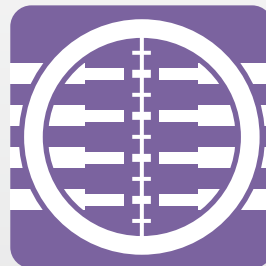
## Industry only dual independent ovens



Dual independent ovens for productivity



Reduce your work time  
Splicing 11s  
Heating 25s



Realises splice loss  
0.05dB



Touch optimised user interface and high resolution display

## Specifications

Items	TYPE-82M12	
Optical fibre requirements	Material	Silica glass
	Profile types	Single/ SMF(G652), MMF(G651), DSF(G653), NZDSF(G655), BIF(G657)
	Fibre count	1, 2, 4, 5, 6, 8, 10, 12
	Cladding diameter	125µm
	Coating diameter	Single fibre coating dia: 200µm, 250µm, 500µm, 900µm Ribbon fibre thickness: 200-400µm
	Applicable cable	Drop cable(2.0mm×3.1,or2.6mm), Indoor cable(2.0mm×1.6mm)
Standard performance	Cleave length	10mm
	Splice loss (typical) *1	SMF 0.05dB, MMF 0.02dB, DSF 0.08dB, NZDSF 0.08dB
	Splice time (typical)	11sec (SM 12c Quick Mode), 14 sec (SM 12c Std. Mode)
	Heating time (typical)	25sec (FPS-6 sleeves, 40mm 1-12c Quick Mode)
	Splice & heat cycles per battery full charge *2	Approx 220
	Fibre view and magnification	2 CMOS cameras observation, 23X (zoom 46X)
	Proof test	1.96-2.09 N
Programs	Applicable protection sleeve	60mm, 40mm & Sumitomo Electric nano sleeves
	Splice programs	Max 300
	Heating programs	Max 100
Functions	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200 images / 20,000 splice data (with 16GB SD card)
	Automatic fibre count detection	Provided
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Reversible fibre holder system	Provided
	Dual automatic independent heaters	Provided
	User-selectable heater clamp operation	Provided
	Display of remaining Splice & Heat cycles	Provided (Battery mode)
	Onboard user training video	Provided
Wireless LAN connectivity (Option) *3	Provided	
Size / Weight	Size	128 (W) x 154 (D) x 130 (H) mm (without anti-shock rubber)
	Weight	1.7kg(without Battery) / 2.0kg(with Battery BU-16)
	Monitor	5.0" touch screen color LCD display
Terminals	DC output	DC 12V (for JR-6+)
	USB port	USB2.0 (mini-B type)
	Storage media	SD/SDHC memory card MAX32GB
Power supply	AC input	AC 100-240V, 50/60Hz (ADC-16)
	DC input	DC 10-15V, 7.5A
	Battery pack	Li-ion 10.8V, 6400mAh (BU-16)
	Operating condition	Altitude : 0-3,660m, Temperature : -10-50°C, Humidity : 0-95%(non-condensing), Wind velocity : up to 15m/sec
Storage condition	Temperature : -40-80°C, Humidity : 0-95%, Battery : -20-30°C(long term)	
Electrode life *4	1,500 arc discharges	
Software updates	Internet	
Data management	Can be stored, edited and analyzed by dedicated PC software	

\*1 : Average value of the final inspection in room temperature with Sumitomo Electric identical fibre. Measured by cut-back method relevant to ITU-T and IEC standards.

\*2 : Splice & Heat cycles may vary depending on the battery status and the operating environment.

\*3 : Wireless LAN connectivity is not available in all countries. For more details, please refer to our Web site. <http://global-sei.com/sumitomo-electric-splicers/>

\*4 : Achieved in lab condition. Electrode life may vary depending on the operating environment.

## Environmental Durability\*

Shock resistance	Test details
Impact resistance	Drop from 76cm on 5 faces (excluding top face)
Water resistance	Equivalent to IK07 on LCD monitor
Dust resistance	Equivalent to IPx2

\*Splicer operation after shock, impact, water or dust tests, was confirmed under battery power, by Sumitomo Electric.

Does not guarantee the product will not be damaged by these conditions.

## Basic Accessories

Part name	Part No.	Qty.
AC adapter	ADC-16 series	1 pc
AC power cord	PC-AC<X>*	1 pc
Cooling tray	—	1 pc
Spare electrode	ER-10	1 pair
Quick reference guide	—	1 pc
Carrying case with worktable	CC-82	1 pc
Hand strap	—	1 pc
USB cable	—	1 pc

\*X=2(USA), 3(EU), 5(UK/HK), 8(CHINA), 9(INDIA), 10(BRAZIL)

Items listed in Basic Accessories are always included with the splicer body. Overall kit content may vary regionally. Please check with your local authorised reseller to confirm kit content in your region.

## Accessories

Part name	Part No.	Remarks	
Accessories for Splicer	SumiCloud card	WLS0 series For SumiCloud™ connection	
	Fibre holder	FHS-025	For 0.25 mm single fibre
		FHS-09	For 0.9 mm single fibre
		FHD-1	For drop and indoor cables (single fibre)
		FHC-3	For 3 mm cable
		FHM-2	For 2-fibre ribbon
		FHM-4	For 4-fibre ribbon
		FHM-5	For 5-fibre ribbon
		FHM-6	For 6-fibre ribbon
		FHM-8	For 8-fibre ribbon
		FHM-10	For 10-fibre ribbon
		FHM-12	For 12-fibre ribbon
		PCH-12A	200um to 250um pitch changing holder for pliable fibre ribbon
	Lynx2-UML-S	For φ3 mm cord and φ0.9 mm single fibre	
	Battery pack	BU-16	Li-ion 6,400mAh
Battery charger	BC-16	—	
Car battery cable	PCV-16	For car battery operation (cigarette socket type)	
Electrodes	ER-10	—	
V-groove cleaning jig	VGT-2	Brush for cleaning V-groove	
Accessories	Handheld fibre cleaver	FC-8R-FC	Automatic blade rotation cleaver with cleave counter
		FC-8R-F	Automatic blade rotation cleaver
	Fibre cleaver	FC-6M-C	Table-top high precision cleaver
		FC-6RM-C	Automatic blade rotation cleaver
	Fiber Arrangement tool	OFA-01	Glue free fiber arrangement tool
	Jacket remover	JR-M03	Jacket remover for single fibre
		JR-6+	Hot jacket remover for ribbon fibre
	Fibre protection sleeve	FPS-1	60 mm sleeve for single fibre
		FPS-40	40 mm sleeve for single fibre
		FPS-5	40 mm sleeve for single fibre and up to 8-fibre ribbon
FPS-6		40 mm sleeve for single fibre and up to 12-fibre ribbon	
FPS-D60	60 mm sleeve for single-fibre drop, and indoor cables		
Alcohol dispenser	HR-3	—	



Carrying case with worktable  
CC-82



Handy cleaver  
FC-8R series



Table-top cleaver  
FC-6 / FC-6R series



Hot jacket remover  
JR-6+



Pitch changing holder  
PCH-12A



Available for  
Lynx-Custom Fit™  
Splice-On Connector

Sumitomo Electric Industries, Ltd.