



Ribbon fibre splicer

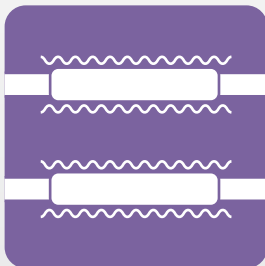
TYPE-82M12



Useful cloud hosted splicer services via your smartphone App.



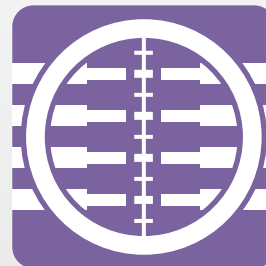
Industry only dual independent ovens



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)	
	Cleave length	10mm
Standard performance	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
Applicable protection sleeve	60mm, 40mm & Sumitomo Electric nano sleeves	
	Splice programs	Max 300
Heating programs	Max 100	
	Functions	Splice image capture / Splice data storage
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*

	Test details
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Impact resistance	Equivalent to IK07 on LCD monitor
Water resistance	Equivalent to IPX2
Dust resistance	Equivalent to IP5x

*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
Operating CD manual	—	1 pc
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	WLSO 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-12	200µm to 250µm 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
	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-12



Available for
Lynx-Custom Fit™
Splice-On Connector

Sumitomo Electric Industries, Ltd.