

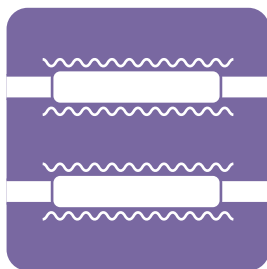


Mass fusion splicer
for up to 12 fibre ribbon

TYPE-71M12



Industry only dual independent heaters and
Auto Clamping Adjustment System "ACAS"



Two Independent
Heaters for
High Productivity



Touch Screen
Control Panel



Durable & Rugged

Specifications

Items		TYPE-71M12
Optical fibre requirements	Material	Silica glass
	Profile types	SMF (G.652), MMF (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657)
	Fibre count	1, 2, 4, 5, 6, 8, 10, 12
	Cladding diameter	125µm
	Coating diameter	Single fibre coating dia: 250µm, 500µm, 900µm Ribbon fibre thickness: 250-400µm
	Applicable cable	Drop cable (2.0mm×3.1 or 2.6mm), 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)	9sec (with single SMF) 14sec (with 12C SMF)
	Heating time (typical)	Approx. 55 sec (with FPS-6 sleeve)
	Splice & heat cycles per battery full charge *2	Approx. 110 (with BU-11)
	Fibre view and magnification	2 CMOS cameras observation, 23X (zoom : 46X)
Proof test	Proof test	1,96N -2,09N
	Splice programs	Max. 200
Heating programs	Heating programs	Max. 100
	Splice image capture / Splice data storage	64 images/10,000 splices
Functions	Onboard user training video	Provided
	Auto-start	Splice/Heating
	Automatic arc calibration	Automatically compensates for environmental condition change
	Auto clamping adjustment system	Provided
	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)
	Automatic fibre count detection	Provided
Remote interactive maintenance	Provided	
Size / Weight	Size	120 (W) x 154 (D) x 130 (H) mm (without anti-shock rubber)
	Weight	1.7kg (without Battery) / 1.9kg (with Battery BU-11S) / 2.0kg (with Battery BU-11)
	Monitor	4.1 inch color LCD monitor with touchscreen
Terminals	DC output	DC 12 V (for JR-6)
	USB port	USB2.0 mini-B
	Storage media	SD and SDHC
Power supply	AC input	100-240V, 50/60Hz
	DC input	10-15V, 4.5A
	Battery pack	Li-ion 11.1V, 4,600mAh (BU-11)
	Operating condition	Altitude: 0 to 3,660 m, Temperature: -10°C to +50°C, Humidity: 0% to 95% (non-condensing), Wind velocity: up to 15 m/s
Storage condition	Temperature: -40°C to +80°C, Humidity: 0% to 95% (non-condensing), Battery: -20 - +30°C (long term)	
Electrode life *3	1,500 arcs discharges	
Software updates	Internet	
Data management	Can be stored, edited and analyzed by dedicated PC software	

*1 : With Sumitomo identical fibres(in room temperature). 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 : Electrode life may vary depending on the operating environment.

Environmental Durability*

	Test details
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Water resistance	Equivalent to IPX2 (Operates normally after being exposed to water dripping at 3mm/min, for at least 2.5 min on each of 4 surfaces tilted at 15°)
Dust resistance	Equivalent to IP5X (Operates normally after 8 hours in a test chamber with circulating dust particles smaller than 75µm)

*Splicer operation after shock, water or dust tests, was confirmed under battery power, by Sumitomo.
Does not guarantee the product will not be damaged by these conditions.

Basic Accessories

Part name	Part No.	Qty.
AC adapter	ADC-1430 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-71+	1 pc
Hand strap	—	1 pc
USB cable	—	1 pc

*X=2(USA), 3(EU), 4(JP), 5(UK), 6(AUS), 7(South Africa)

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.



Carrying case with worktable

Supports bi-directional splicing operation



Drop cable splicing with fibre holder system



Available for Lynx-Custom Fit™ Splice-On Connector



Handy cleaver FC-8R series



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



Hot jacket remover JR-6

Accessories

	Part name	Part No.	Remarks
Accessories for Splicer	Fibre holder	FHS-025	0.25 mm single fibre
		FHS-09	0.9 mm single fibre
		FHD-1	For drop and indoor cables (single fibre)
		FHC-3	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	
	Lynx2-UML-S	For φ3 mm cord and φ0.9 mm single fibre	
	Battery pack	BU-11/11S	Li-ion 4,600mAh BU-11, 2,300mAh BU-11S
AC adapter	ADC-1430S	For TYPE-71 series and BC-11	
Car battery cable	PCV-11	For car battery operation (cigarette socket type)	
Electrodes	ER-10	—	
V-groove cleaning jig	VGT-2	Brush for cleaning V-groove	
Battery charger	BC-11	Battery charger for BU-11S/11	
Accessories	Fibre cleaver	FC-6RM-C	Fibre cleaver for single fibre and up to 12-fibre ribbon
	Handheld fibre cleaver	FC-8R-FC/F	Handheld fibre cleaver for single fibre and up to 12-fibre ribbon
	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	Alcohol dispenser	

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