



Automatic Adaptive Core fusion splicer

T-57



Fast, Capable, Practical

Fast Splicing 6s / Heating 15s
Splicing loss SMF 0.02dB (Typical)



Touch optimised
user interface and
high resolution display



Proven field
toughness



Long life battery
for 300 splice
& heat cycles

Specifications

Items		T-57
Optical fibre requirements	Material	Silica glass
	Fibre count / Profile types	Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657)
	Fibre diameter	Cladding diameter : 80 - 150µm, Coating diameter : 100 - 1,000µm
Standard performance	Cleave length	5 - 16mm with coating clamp
	Splice loss (typical)*1	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB
	Return loss (typical)	60dB or greater
	Splice time (typical)	6sec(SM G652 Quick Mode), 8sec(Auto Mode)
	Heating time (typical)	15sec (FPS-61-2.6 sleeve, S60mm 0.25 Quick Mode)
	Splice & Heat cycles per battery full charge*2	Approx. 300 (BU-16)
	Fibre view & magnification	2 CMOS cameras observation, 350X (zoom : 700X) for X or Y single axis view, Max. 350X for both X & Y dual axis view
Programs	Proof test	1.96 - 2.09N
	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
	Splice programs	Max. 300, 24 are pre-optimised, 276 editable by user
Functions	Heating programs	Max. 100, 23 are pre-optimised, 77 editable by user
	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card)
	Universal clamps	Provided, 250µm, 900µm tight & loose buffer fibre
	Reversible coating clamps	Provided
	Onboard user training video	Provided
	Automatic fibre identification	SMF / MMF / Other
	Automatic arc calibration	Automatically compensates for environmental condition changes
Size / Weight	Display of remaining Splice & Heat cycles	Provided (Battery mode)
	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)
Terminals	Monitor	5.0" touch screen color LCD display
	DC output	DC 12V (for JR-6)
	USB port	USB 2.0 (mini-B type)
Power supply	Storage media	SD / SDHC memory card MAX32GB
	AC input	AC 100 - 240V, 50/60Hz (ADC-16)
	DC input	DC 10 - 15V
Operating condition	Battery pack	Li-ion 10.8V, 6,400mAh (BU-16)
	Storage condition	Altitude : 0 - 6,000m, Temperature : -10 - +50°C, Humidity : 0 - 95% (non-condensing), Wind velocity : up to 15m/sec
Electrode life *3		Temperature : -40 - +80°C, Humidity : 0 - 95% (non-condensing), Battery : -20 - +30°C (long term)
Software updates		6,000 arc discharges
Data management		Internet
		Can be stored, edited and analyzed by dedicated PC software

*1 : Average value of the final inspection in room temperature with Sumitomo 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 : Achieved in lab condition. Electrode life may vary depending on the operating environment.

Environmental Durability*

Test details	Test details
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Impact resistance	Equivalent to IK07 on LCD monitor (Protected against 2J impact, it is equivalent to a 500g force from 40cm)
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, impact, 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-16	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-72	1 pc
Hand strap	—	1 pc
USB cable	—	1 pc

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

Items listed in the table are typical contents 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
CC-72



Handy cleaver
FC-8R series



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



Jacket remover
JR-M03



Available for
Lynx-Custom Fit™
Splice-On Connector



Electrode
ER-10

Accessories

Part name	Part No.	Remarks
Accessories for Splicer	Fibre holder	FHS-025 For φ0.25mm single fibre FHS-09 For φ0.9mm single fibre FHS-025/LB5 For 0.9mm loose buffered single fibre FHD-1 For indoor / outdoor rectangular drop cable ISM-ST For indoor rectangular drop cable FHC-3 For 3mm cable Lynx2-UML-S For φ3mm cord and φ0.9mm single fibre
	Battery pack	BU-16 Li-ion 6,400mAh
	Battery charger	BC-16 —
	Car battery cable	PCV-16 Vehicle 12V outlet
	V-groove cleaning brush	VGT-2 Brush for cleaning V-groove
	Electrode	ER-10 —
	Accessories	Handheld fibre cleaver
Fibre cleaver		FC-6S-C Table-top high precision cleaver FC-6RS-C Automatic blade rotation cleaver
Jacket remover		JR-M03 Jacket remover for single fibre
Loose tube cutter		LTC-01 —
Alcohol dispenser		HR-3 —
Fibre protection sleeve		FPS-1 60mm, diameter after shrink approx. φ3.2mm
		FPS-40 40mm, diameter after shrink approx. φ3.2mm
	FPS-61-2.6 61mm, diameter after shrink approx. φ2.6mm	

Sumitomo Electric Industries, Ltd.