



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
	Cleave length	5 - 16mm with coating clamp
Standard performance	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
Size / Weight	Automatic arc calibration	Automatically compensates for environmental condition changes
	Display of remaining Splice & Heat cycles	Provided (Battery mode)
	Size	128(W) x 154(D) x 130(H) mm (without anti-shock rubber)
Terminals	Weight	1.7kg (without Battery) / 2.0kg (with Battery BU-16)
	Monitor	5.0" touch screen color LCD display
	DC output	DC 12V (for JR-6)
Power supply	USB port	USB 2.0 (mini-B type)
	Storage media	SD / SDHC memory card MAX32GB
	AC input	AC 100 - 240V, 50/60Hz (ADC-16)
Operating condition	DC input	DC 10 - 15V
	Battery pack	Li-ion 10.8V, 6,400mAh (BU-16)
	Altitude : 0 - 6,000m, Temperature : -10 - +50°C, Humidity : 0 - 95% (non-condensing), Wind velocity : up to 15m/sec	
Storage condition	Temperature : -40 - +80°C, Humidity : 0 - 95% (non-condensing), Battery : -20 - +30°C (long term)	
Electrode life *3	6,000 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 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.

Accessories

Part name	Part No.	Remarks
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
	1SM-ST	For indoor rectangular drop cable
	FHC-3	For 3mm cable
Battery pack	Lynx2-UML-S	For φ3mm cord and φ0.9mm single fibre
	BU-16	Li-ion 6,400mAh
	BC-16	—
Battery charger	PCV-16	Vehicle 12V outlet
V-groove cleaning brush	VG-2	Brush for cleaning V-groove
Electrode	ER-10	—
Handheld fibre cleaver	FC-8R-FC	Auto blade rotation + cleave counter
	FC-8R-F	Auto blade rotation
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



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

Sumitomo Electric Industries, Ltd.

Litech Pakistan (Private) Limited

FACTORY / REGISTERED OFFICE

Plot # 95, Phase II,
M-3Industrial City,
Faisalabad

Ph#: +92-41-2626672-73

Fax: +92-41-2626671

Email: info@litech.com.pk

FAISALABAD

Office No.01,Ground Floor.
Lyalpur Regency Plaza,949
New Civil Lines, Faisalabad

Ph#: +92-41-2626672-73

Fax: +92-41-2626671

Email: fsd@litech.com.pk

KARACHI

61-C,2nd Floor.
21st Commercial Street,
Phase II Ext, DHA Karachi

Ph#: +92-21-35885568-69

Fax: +92-21-35885570

Email: KHi@litech.com.pk

ISLAMABAD

5th Floor, Tower 10,
Sector E-11/1 Markaz
Islamabad

Ph#: +92-51-8744109-10

Fax: +92-51-8744110

Email: Isb@litech.com.pk