



Core Alignment fusion splicer

# T-57C+

Powered by



**NanoTune™**  
Enhanced splice experience



## Power through with ease



**Proven field  
toughness**



**High environmental  
resistance**



**Smart and ease**



**Reduce work time**  
Splicing 6s  
Heating 15s

## Specifications

Item		T-57C+
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)* <sup>1</sup>	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB, BIF : 0.02dB
	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)
	Splice & Heat cycles per battery full charge* <sup>2</sup>	Approx. 310 (BU-16)
	Fibre view & magnification	2 CMOS cameras observation, 350X (zoom : 700X) for X or Y single axis view. 270X for both X & Y dual axis view
	Proof test	1.96 ~ 2.09N
	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
	Splice programs	Max. 300, 40 are pre-optimised, 260 editable by user
Programs	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)
Functions	Multi clamps	Provided, 250 m, 900 m tight & loose buffer fiber, 2&3mm jacket cord and rectangular drop cable, 3.5mm round drop cable
	Reversible coating clamps	Provided
	Onboard user training video	Provided
	Automatic fibre identification	SMF / MMF / DSF / NZDSF / BIF / Other
	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)
Size / Weight	Weight	1.7kg (without Battery) / 2.1kg (with Battery BU-16)
	Monitor	5.0" touch screen color LCD display
	DC output	DC 12V (for JR-6+)
Terminals	USB port	USB 2.0 (mini-B type)
	Storage media	SD / SDHC memory card MAX32GB
	AC input	AC 100 ~ 240V, 50/60Hz (ADC-16)
Power supply	DC input	DC 10 ~ 15V
	Battery pack	Li-ion 10.8V, 6,400mAh (BU-16)
Operating condition		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 * <sup>3</sup>		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
Shock resistance	Drop from 76cm on 5 faces(excluding top face), 4 edges and corners(bottom face only)
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.

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/HK), 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
Accessories for Splicer	Fibre holder	FHS-025	For Ø0.25mm single fibre
		FHS-09	For Ø0.9mm 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
		Lynx2-UML-S	For Ø3mm cord and Ø 0.9mm single fibre
	Battery pack	BU-16	Li-ion 6,400mAh
	Battery charger	BC-16	—
	Car battery cable	PCV-16	Vehicle 12V outlet
Electrode	ER-10	—	
Accessories	Handheld cleaver	FC-8R-FC	Automatic blade rotation cleaver with counter
		FC-8R-F	Automatic blade rotation cleaver (no counter)
	Bench-top Cleaver	FC-6R+	Auto blade rotation
		FC-6S+	Single fibre 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. Ø3.2mm
FPS-40		40mm, diameter after shrink approx. Ø3.2mm	
FPS-61-2.6		61mm. diameter after shrink approx. Ø2.6mm	



Carrying case with worktable  
**CC-72**



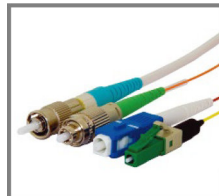
Handy cleaver  
**FC-8R series**



Bench-top cleaver  
**FC-6+ series**



Jacket remover  
**JR-M03**



Available for Lynx-Custom Fit™  
**Splice-On Connector**



Electrode  
**ER-10**

Sumitomo Electric Industries, Ltd.