SUMITOMO ELECTRIC
Connect with Innovation

Automatic Adaptive Core fusion splicer

T-56+

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

SUMITOMO ELECTRIC GROUP

Specifications

Item		T-56+
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, 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*2	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
Programs	Splice programs	Max. 300, 40 are pre-optimised, 260 editable by user
	Heating programs	Max. 100, 23 are pre-optimised, 77 editable by user
Functions	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card)
	Multi clamps	Applicable, 250µm, 900µm tight & loose buffer fibre, 2&3mm jacket cord and rectangular drop cable, 3.5mm round drop cable.
	Reversible coating clamp	Provided
	Onboard user training video	Provided
	Automatic fibre identification	SMF / MMF / DSP / NZDSF / BIF / Other
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Display of remaining Splice & Heat cycles	Provided (Battery mode)
	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) / 2.1kg (with Battery BU-16)
	Monitor	5.0" touch screen color LCD display
Terminals	DC output	DC 12V (for JR-7)
	USB port	USB 2.0 (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
	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 *4		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: Wireless LAN connectivity is not available in all countries. For more details, check our website. https://global-sei.com/sumitomo-electric-splicers/emea/products/sumicloud/
* 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), 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), 10(BRAZIL)
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

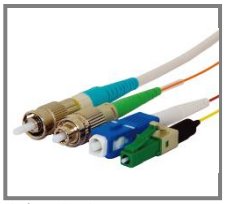
	Part name	Part No.	Remarks
Accessories for Splicer	Fibre holder	FHS-025	For Φ0.25mm single fibre
		FHS-09	For Φ0.9mm single fibre
		FHS-025/LB5	For 0.9mm loose buffered single fibre
		FHD-1	For indoor / outdoor rectangular drop cable
		1SM-ST	For indoor rectangular drop cable
		FHC-3	For 3mm cable
		Lynx2-UML-S	For Φ3mm cord and Φ 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 (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. Φ3.2mm
		FPS-40	40mm, diameter after shrink approx. Φ3.2mm
		FPS-61-2.6	61mm, diameter after shrink approx. Φ2.6mm

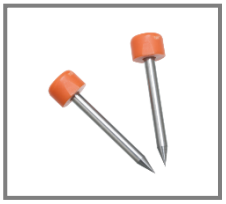
Carrying case with worktable
CC-72

Handy cleaver
FC-8R series

Bench-top cleaver
FC-6+ series

Jacket remover
JR-M03


Splice-On Connector
Lynx-Custom Fit™


Electrode
ER-10

Sumitomo Electric Industries, Ltd.