



Automatic Adaptive Core fusion splicer

T-56+

Powered by





Power through with ease



Proven field toughness



High environmental Smart and ease resistance





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

SUMITOMO ELECTRIC GROUP

Item		T-56+	
	Material	Silica glass	
Optical fibre requirements	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	
	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)	
Standard	Splice & Heat cycles per battery full charge*2		
performance	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	
D	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)	
	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	
unctions	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)	
	Wireless LAN connectivity (Option) *3	Provided	
	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-7)	
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 : $0 \sim 6,000$ m, Temperature : $-10 \sim +50$ °C, Humidity : $0 \sim 95$ % (non-condensing), Wind velocity : up to 15 m/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 Sumiromo 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/sumiromo-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>*</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		FHS-025	For Φ0.25mm single fibre	
	Fibre holder	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	ASB-17	_	
	Fibre pretention	FPS-1	60mm, diameter after shrink approx. Φ3.2mm	
	Fibre protection sleeve	FPS-40	40mm, diameter after shrink approx. Φ3.2mm	
	310000	FPS-61-2.6	61mm, diameter after shrink approx. Φ2.6mm	
	V-groove cleaning brush	VGB-004	Brush for cleaning V-groove	



Carrying case with worktable **CC-72**



FC-8R series



Bench-top cleaver FC-6+ series



Jacket remover JR-M03



Splice-On Connector



Electrode ER-10

Sumitomo Electric Industries,