205*292

VIS





Active Clad Alignment fusion splicer

S1V

Powered by



Compact, Easy, Tough



Proven field toughness



High environmental resistance



Smart and easy



Compact and light 1.2kg

SUMITOMO ELECTRIC GROUP

Specification:	S		
Items		SIV	
	Material	Silica glass	
Optical fiber	Fiber count / Profile types	Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657)	
requirements	Fiber diameter	Cladding diameter : 125µm, Coating diameter : 250 - 1,000µm	
	Cleave length	5 to 16mm for single fiber	
	Splice loss (typical)*1	SMF: 0.03dB, MMF: 0.01dB, DSF: 0.05dB, NZDSF: 0.05dB	
	Return loss (typical)	60dB or greater	
	Splice time (typical)	6sec (SM G652 Quick Mode)	
Standard	Heating time (typical)	17sec (FPS-61-2.6 sleeve, S60mm 0.25 Mode)	
performance	Splice & Heat cycles per battery full charge*2	Approx. 250 (BU-17)	
	Fiber view & magnification	2 CMOS cameras observation, 140X (zoom 370X) for X and Y axis view.	
	Proof test	1.96 ~ 2.09N	
	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves	
Programs	Splice programs	Max. 300, 16 are pre-optimised, 284 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	
	Auto-start	Splice/Heating	
Functions	Multi clamp	Provided, 250 µm, 900 µm tight & loose buffer fiber, 2 & 3mm jacket cord and rectangular drop cable, 3.5mm round drop cab	
	Heater clamp for splice on connector	Provided	
	Automatic arc calibration	Automatically compensates for environmental condition changes	
	Onboard user training video	Provided	
	Size	126(W) x 154(D) x 83(H) mm (without protrusion)	
Size / Weight	Weight	0.9kg (without Battery), 1.2kg (with Battery BU-17)	
	Monitor	4.3" color LCD display	
Terminals	USB port	USB 2.0 (mini-B type)	
ienimais	Storage media	SD / SDHC memory card Max 32GB	
	AC input	AC 100 ~ 240V, 50/60Hz (ADC-15)	
Power supply	DC input	DC 10 ~ 15V	
	Battery pack	Li-ion 10.8V, 4,560mAh (BU-17)	
Operating condition		Altitude : 0 ~ 5,000m, Temperature : -10 ~ +50°C, Humidity : 0 ~ 95%RH (non-condensing), Wind velocity : up to 15m/sec	
Storage condition		Temperature : -40 ~ +80°C, Humidity : 0 ~ 95%RH (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 fiber. 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	Protected against 2J impact, it is equivalent to a 500g force from 40cm
	Equivalent to IPx2
Dust resistance	Equivalent to IP5x

"Splicer operation after shock, 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-15	1 pc			
AC power cord	PC-AC <x>*-2P</x>	1 pc			
Battery pack	BU-17	1 pc			
Quick reference guide	_	1 pc			
Carrying case	CC-18	1 pc			

Working tray

WriaB

WT-18

1pc

"X=2(USA), 3(EU), 5(UK/HK), 6(AUS), 8(CHINA), 9(INDIA), 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 authorized reseller to
confirm kit content in your region.

Accessories					
	Part name	Part No.	Remarks		
\triangleright	Battery pack	BU-17	Li-ion 10.8V, 4,560mAh		
8	Battery charger	BC-17	For BU-17		
Accessories	Car battery cable	PC-V25	For car battery operation (cigarette socket type)		
<u> 1</u>	V-groove cleaning brush	VGT-2	Brush for cleaning V-groove		
σ̈́	Electrode	ER-17	_		
	Working tray strap kit	WSK-18	Kit for hanging tray around neck		
Splic	Tripod adapter	TA-18	For tripod use		
licer	USB cable	_	_		
	Shoulder belt	_	_		
	Fiber cleaver	SFC-S	Table-top type		
	i iber cieaver	FC-7LS	Handheld type		
Acc	Jacket remover	JR-M03	Jacket remover for single fiber		
l op	Loose tube cutter	LTC-01	_		
SS	Alcohol dispenser	ASB-17	_		
ssories		FPS-1	60mm, diameter after shrink approx. 3.2mm		
	Fiber protection sleeve	FPS-40	40mm, diameter after shrink approx. 3.2mm		
		FPS-61-2.6	61 mm, diameter after shrink approx. 2.6mm		
		FPS-D60	60mm, For drop and indoor cables		











Battery pack BU-17

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