



Core Alignment fusion splicer

Z₂C

Powered by





Power through with ease



Proven field toughness



High environmental resistance



Smart and easy



Reduce work time Splicing 6s Heating 15s

Core Alignment fusion splicer

Material Fiber count / Profile types Silica glass Silica glass Silica glass Silica glass Silica glass Silica glass Single / SMF(G.652), MMF(G.651), DSF(G.655), NZDSF(G.655), BIF(G.657) Silica glass Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657) Silica glass Single / SMF (G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657) Silica glass Single / SMF (G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657) Silica glass Single / SMF (G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657) Single continuous Splica length of the profile o	Specifications				
Fiber count / Profile types Single / SMF(C,652), MMF(C,652), MSF(C,653), NZDSF(C,653), RIPC,6,657)	Items		Z2C		
Fiber cliameter Cladding clameter : 80 - 150, m, Coating clameter : 100 - 1,000, m		Material	Silica glass		
Cleave length Splice loss (typical)** SMF : 0.02dB, MF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB, BIF : 0.02dB	Optical fiber	Fiber count / Profile types			
Splice loss (typical)* Return loss (typical) Splice time (typical) Splice (time (typical)) Splice (time (typical)) Splice (time (typical)) Splice (time (typical)) Splice (time (time (time (time time time (time time time time time time (time time time time time time time time	requirements	Fiber diameter	Cladding diameter: 80 ~ 150µm, Coating diameter: 100 ~ 1,000µm		
Return loss (typical) Splice time (typical) GoedB or greater Splice time (typical) GoedB or greater GoedCSM G652 Quick Mode), 8sec(Auto Mode)		Cleave length	5 - 16mm with coating clamp		
Splice time (typical) Gesc(SM G652 Quick Mode), 8sec(Auto Mode)		Splice loss (typical)*1	SMF: 0.02dB, MMF: 0.01dB, DSF: 0.04dB, NZDSF: 0.04dB, BIF: 0.02dB		
Heating time (typical) Splice & Heat cycles per battery full charge** Fiber view & magnification 2 CMOS cameras observation, 350X (zoom: 700X) for X or Y single axis view, Max. 350 for both X & Y dual axis view 1.96 - 2.09N Applicable protection sleeve 60mm, 40mm & Sumitono Nano sleeves 77 editable by user Max. 100, 23 are pre-optimsed, 260 editable by user Max. 100, 23 are pre-optimsed, 260 editable by user Max. 100, 23 are pre-optimsed, 277 editable by user Max. 100, 23 are pre-optimsed, 270 editable by user 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Pro		Return loss (typical)	60dB or greater		
Splice & Heat cycles per battery full charge*2 Fiber view & magnification 2 CMOS cameras observation, 35OX (zoom: 700X) for X or Y single axis view, Max. 350 for both X & Y dual axis view 1.96 - 2.09N Applicable protection sleeve 60mm, 40mm & Sumitomo Nano sleeves 700 provided 700 pro		Splice time (typical)			
Fiber view & magnification Proof test Applicable protection sleeve Applicable protection sleeve Splice programs Heating programs Heating programs Multi clamps Reversible coating clamps Onboard user training video Automatic fiber identification Automatic fiber identification Automatic arc calibration Display of remaining Splice & Heat cycles Size / Weight Terminals Prowided DC output DC output DC output DC output DC input Battery pack AC input DC input Battery pack Prowided view & wagnification Operating condition Storage condition Storage condition Finance Functions Proyied & 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) Provided 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD car	Standard	Heating time (typical)	15sec (FPS-61-2.6 sleeve, S60mm 0.25)		
Fiber view & magnification Proof test Applicable protection sleeve Applicable protection sleeve Splice programs Splice programs Applicable protection sleeve Applicable protection sleeve Splice programs Applicable proprograms Applicable proprograms Applicable proprograms Applicable programs Applicable programs Applicable proprograms Applicable programs Applicable proprograms Applicable proproprimsed, 77 editable by user Applicable proprograms Applicable proproprimsed, 77 editable by user Applicable proprograms Applicable proproprimsed, 77 editable by user Applicable propropries proproprimsed, 77 editable propropries propropries propropries propropries propries propropries propries propropries propries propropred proprograms propropred proprograms propropred proprograms propropred proprograms p	performance	Splice & Heat cycles per battery full charge*2	Approx. 310 (BU-16)		
Applicable protection sleeve Programs Splice programs Ax. 300, 40 are pre-optimsed, 260 editable by user Max. 300, 40 are pre-optimsed, 276 editable by user Max. 100, 23 are pre-optimsed, 276 editable by user Max. 100, 23 are pre-optimsed, 276 editable by user Max. 100, 23 are pre-optimsed, 276 editable by user Splice image capture / Splice data storage Multi clamps Reversible coating clamps Onboard user training video Automatic fiber identification Automatic fiber identification Automatic fiber identification Display of remaining Splice & Heat cycles Size Size / Weight Monitor DC output DC output USB port Storage media AC input DC input Battery pack Storage condition Operating condition Storage condition Storage condition Storage condition Storage sondition Storage sondition Temperature : -40 - +80°C, Humidity : 0 - 95% (non-condensing), Battery : -20 - +30°C (long term) Internet Interne		•	350X (zoom: 700X) for X or Y single axis view, Max. 350 for both X & Y dual axis view		
Programs Splice programs Heating programs Heating programs Splice image capture / Splice data storage Splice image capture / Splice data storage Multi clamps Reversible coating clamps Provided Solym, 900, m tight & loose buffer fiber, 283mm jacket cord and rectangular drop cable, 35mm round drop cable Provided Solym, 900, m tight & loose buffer fiber, 283mm jacket cord and rectangular drop cable, 35mm round drop cable Provided Automatic fiber identification Automatic are calibration Display of remaining Splice & Heat cycles Size Weight Monitor Size / Weight Monitor Solym, 900, m tight & loose buffer fiber, 283mm jacket cord and rectangular drop cable, 35mm round drop cable Provided		Proof test			
Heating programs		Applicable protection sleeve			
Functions Functions Splice image capture / Splice data storage Multi clamps Provided Action Provided Action Provided Action Provided Action Provided Action Provided Action Provided Provide	Drograms	Splice programs	Max. 300, 40 are pre-optimsed, 260 editable by user		
Multi clamps Provided, 250µm, 900µm tight & loose buffer fiber, 283mm jacket cord and rectangular drop cable, 35mm round drop cable Provided SMF / MMF / Other Automatic arc calibration Display of remaining Splice & Heat cycles Provided (Battery mode) Size Provided (Battery mode) Provid	Programs				
Reversible coating clamps					
Onboard user training video Automatic fiber identification Automatic arc calibration Display of remaining Splice & Heat cycles Automatic arc calibration Display of remaining Splice & Heat cycles Provided (Battery mode) 128(W) x 150(H) x mm (without anti-shock rubber) 128(W) x 150(H) x 150(
Automatic fiber identification Automatic arc calibration Automatically compensates for environmental condition changes Provided (Battery mode) 128 (W) x 154(D) x 130(H) mm (without anti-shock rubber) 128 (W) x 154(D) x 154(H) mm (without anti-shock rubber) 128 (W) x 154(D) x 154(H) mm (without anti-shock rubber) 128 (W) x 154(D) x 154(H) mm (without anti-shock rubber) 128 (W) x 154(D) x 154(H) mm (without anti-shock rubber) 128 (W) x 154(D) x 154(H) mm (without anti-shock rubber) 128 (W) x 154(D) x 154(H) mm (without anti-shock rubber) 128 (W) x 154(D) x 154(H) mm (without anti-shock rubber) 128 (
Automatic arc calibration Display of remaining Splice & Heat cycles Size Weight Size Weight Monitor Display of court of the provided (Battery mode) Size Weight DC output DC output USB port Storage media AC input DC inp	Functions				
Display of remaining Splice & Heat cycles					
Size 128(W) x 154(D) x 130(H) mm (without anti-shock rubber)					
Size / Weight Weight Monitor 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) USB port USB 2.0 (mini-B type) Storage media SD / SDHC memory card MAX32GB AC input AC 100 - 240V, 50/60Hz (ADC-16) 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 st 6,000 arc discharges Software updates Internet					
Monitor 5.0" touch screen color LCD display					
DC output USB port USB 2.0 (mini-B type) Storage media	Size / Weight				
Terminals					
Storage media SD / SDHC memory card MAX32GB					
AC input DC input DC 10 - 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	Terminals				
Power supply DC input Battery pack DC 10 - 15V 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 *5 6,000 arc discharges Software updates Internet					
Battery pack Li-ion 10.8V, 6,400mAh (BU-16) Operating condition Altitude: 0 - 6,0000m, 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 ** 6,000 arc discharges Internet					
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 *3 6,000 arc discharges Software updates Internet	Power supply				
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 *5 6,000 arc discharges Internet		Battery pack			
Electrode life *5 6,000 arc discharges Software updates Internet	1,111 5 11 11		Wind velocity: up to 15m/sec		
Software updates Internet					
Data management Can be stored, edited and analyzed by dedicated PC software					
	Data managemen	t	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 : Solice & 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>*</x>	1 pc			
Cooling tray	-	1 pc			
Battery pack	BU-16	1 pc			
Spare electrode	ER-10	1 pair			
Quick reference guide	-	1 pc			
Carrying case with worktable	CC-82	1 pc			
Hand strap	-	1 pc			
USB cable	_	1 pc			

*X-2(USA), 3(EU), 5(UK/HK), 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 authorised reseller to
confirm kit content in your region.

Accessories						
	Part name	Part No.	Remarks			
Ď	Fiber holder	FHS-025	For φ0.25mm single fiber			
32		FHS-09	For Φ0.9mm single fiber			
Accessories		FHS-025/LB5	For 0.9mm loose buffered single fiber			
악		FHD-1	For indoor / outdoor rectangular drop cable			
ies		1SM-ST	For indoor rectangular drop cable			
for		FHC-3	For 3mm cable			
	Battery pack BU-16		Li-ion 6,400mAh			
Splic	Battery charger	BC-16	_			
등	Car battery cable	PCV-16	Vehicle 12V outlet			
er	Electrode	ER-10				
	Handheld fiber	FC-8R-FC	Auto blade rotation + cleave counter			
	cleaver	FC-8R-F	Auto blade rotation			
 	Fiber cleaver	FC-6S-C	Table-top high precision cleaver			
Accessorie		FC-6RS-C	Automatic blade rotation cleaver			
es	Jacket remover	JR-M03	Jacket remover for single fiber			
l S	Loose tube cutter	LTC-01	_			
हें	Alcohol dispenser	HR-3	_			
Š	Fiber protection	FPS-1	60mm, diameter after shrink approx. Φ3.2mm			
	sleeve	FPS-40	40mm, diameter after shrink approx. φ3.2mm			
	Siceve	FPS-61-2.6	61mm, diameter after shrink approx. Φ2.6mm			



Carrying case with worktable



Handy cleaver



Table-top cleaver



Jacket remover JR-M03



Available for Lynx-Custom Fit™ Splice-On Connector



Flectrode ER-10

Sumitomo Electric Industries.

Please contact us Mail to: fs-inquiry-sml@list.sei.jp