



## 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

## Specifications

Items	Z2C
Optical fiber requirements	Material Silica glass Fiber count / Profile types Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657) Fiber diameter Cladding diameter : 80 ~ 150µm, Coating diameter : 100 ~ 1,000µm Cleave length 5 ~ 16mm with coating clamp
Standard performance	Splice loss (typical)* 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* Approx. 310 (BU-16)
	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 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 Provided, 250µm, 900µm 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 fiber identification SMF / MMF / Other Automatic arc calibration Automatically compensates for environmental condition changes Display of remaining Splice & Heat cycles Provided (Battery mode)
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-6) 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 *	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	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	1pc
AC power cord	PC-AC<X>*	1pc
Cooling tray	—	1pc
Battery pack	BU-16	1pc
Spare electrode	ER-10	1pair
Quick reference guide	—	1pc
Carrying case with worktable	CC-82	1pc
Hand strap	—	1pc
USB cable	—	1pc

\*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

Accessories for Splicer	Part name	Part No.	Remarks
Fiber holder	FHS-025		For $\phi$ 0.25mm single fiber
	FHS-09		For $\phi$ 0.9mm single fiber
	FHS-025/LB5		For 0.9mm loose buffered single fiber
	FHD-1		For indoor / outdoor rectangular drop cable
	1SM-ST		For indoor rectangular drop cable
Battery pack	FHC-3		For 3mm cable
	BU-16		Li-ion 6,400mAh
	BC-16		—
	Car battery cable	PCV-16	Vehicle 12V outlet
Electrode	ER-10		—
	Handheld fiber cleaver	FC-8R-FC	Auto blade rotation + cleave counter
Fiber cleaver	FC-8R-F		Auto blade rotation
	FC-6S-C		Table-top high precision cleaver
Jacket remover	FC-6RS-C		Automatic blade rotation cleaver
	JR-M03		Jacket remover for single fiber
Loose tube cutter	LTC-01		—
	Alcohol dispenser	HR-3	—
	Fiber protection sleeve	FPS-1	60mm, diameter after shrink approx. $\phi$ 3.2mm
		FPS-40	40mm, diameter after shrink approx. $\phi$ 3.2mm
		FPS-61-2.6	61mm, diameter after shrink approx. $\phi$ 2.6mm



Carrying case with worktable  
CC-82



Handy cleaver  
FC-8R series



Table-top cleaver  
FC-6 / FC-6R series



Jacket remover  
JR-M03



Available for  
Lynx-Custom Fit™  
Splice-On Connector



Electrode  
ER-10

 Sumitomo Electric Industries, Ltd.

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