



Automatic Adaptive Core Fusion Splicer

Q102-LITE



Power through with ease



Proven field toughness



High environmental tolerance



Smart and easy



Reduce work time Splicing 6s Heating 15s

One World, Connected.

Material Material Silica glass Single / SMF(G.652), MMF(G.651), DSF(G.655), BIF(G.657) Silica glass Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657) Cladding diameter: 80 - 150µm, Coating diameter: 100 - 1,000µm Cleave length Splice loss (typical)** SMF: 0.02dB, MMF: 0.01dB, DSF: 0.04dB, NZDSF: 0.04dB, BIF: 0.02dB G0dB or greater Gesec(SM G652 Quick Mode), Bsec(Auto Mode) Splice time (typical) Splice & Heating time (typical) Splice & Heat cycles per battery full charge** Applicable protection sleeve Splice programs Applicable protection sleeve Splice programs Max. 100, 23 are pre-optimised, 75 old attails by user Heating programs Max. 100, 23 are pre-optimised, 260 editable by user Heating programs Max. 100, 23 are pre-optimised, 260 editable by user Applicable: 250µm; Polim tiple for use from front&back Automatic fiber identification Automatic arc calibration Display of remaining Splice & Heat cycles Size Weight Weight Monitor DC cutput DC 12V (for JR-64) USB 20 (mini-B type) Storage media Splice media	Specifications				
Fiber count / Profile types Single / SMF(G.652), MMF(G.653), NZDSF(G.653), NZDSF(G.657)	Items		Q102-LITE		
Fiber diameter Cleave length Splice loss (typical)* Splice loss (typical)* Splice loss (typical)* Splice loss (typical) Splice loss (typical) Splice loss (typical) Splice loss (typical) Splice time (typical) Splice time (typical) Splice loss			Silica glass		
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Splice loss (typical)** Return loss (typical) Splice time (typical) Splice time (typical) Heating time (typical) Splice was magnification Proof test Applicable protection sleeve Applicable programs Fiber view & magnification Programs Programs Programs Programs Programs Programs Promatic is in a control of the con	requirements	Fiber diameter	Cladding diameter: 80 ~ 150µm, Coating diameter: 100 ~ 1,000µm		
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Standard performance Splice time (typical) Heating time (typical) Splice & Heat cycles per battery full charge*2 Fiber view & magnification Proof test Applicable protection sleeve Applicable programs Heating programs Heating programs Splice image capture / Splice data storage Multi clamps Functions Functions Size / Weight Weight Monitor Terminals Splice time (typical) Heating typical) Heating time (typical) Splice sheat cycles per battery full charge*2 Approx. 310 (BU-16) 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 60mm, 40mm & Sumitomo Nano sleeves 60mm, 40mm & Sumitomo Nano sleeves 9 Max. 300, 40 are pre-optimised, 260 editable by user Max. 100, 23 are pre-optimised, 77 editable by user Max. 100, 23 are pre-optimised, 77 editable by user Max. 100, 23 are pre-optimised, 77 editable by user Max. 100, 23 are pre-optimised, 77 editable by user Applicable: 250 µm, 900 µm tight & loose buffer fiber, 283mm jacket cord and rectangular drop cat 3.5mm round drop cable, reversible for use from front&back Provided Automatic fiber identification Automatic fiber identification Automatic are calibration Display of remaining Splice & Heat cycles Size 128(W) x 154(D) x 130(H) mm (without anti-shock rubber) 1.7kg (without Battery) / 2.0kg (with Battery BU-16) 5.0" touch screen color LCD display DC output USB port Storage media SD / SDHC memory card MAX32GB AC input DC input Battery pack Li-ion 10.8V, 6,400mAh (BU-16) Altitude: 0 - 6,000m, Temperature: -10 - +50°C, Humidity: 0 - 95% (non-condensing),		Splice loss (typical)*1	SMF: 0.02dB, MMF: 0.01dB, DSF: 0.04dB, NZDSF: 0.04dB, BIF: 0.02dB		
Standard performance Heating time (typical) 15sec (FPS-61-2.6 sleeve, \$60mm 0.25) Approx. 310 (BU-16) Approx. 310 (BU-16)		Return loss (typical)			
Splice & Heat cycles per battery full charge*2 Approx. 310 (BU-16) 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		Splice time (typical)	6sec(SM G652 Quick Mode), 8sec(Auto Mode)		
Fiber view & magnification Proof test Applicable protection sleeve Programs Programs Programs Programs Splice programs Applicable protection sleeve Functions Punctions Promode tase and the programs Aux. 300, 40 are pre-optimised, 260 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 20 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300 by user Max. 300, 40 are pre-optimised, 76 editable by user Max. 300 beliable by user Max. 300, 40 are pre-optimised, 77 editable by user Max. 300 beliable by user Ma	Standard	Heating time (typical)	15sec (FPS-61-2.6 sleeve, S60mm 0.25)		
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Splice programs		Proof test			
Heating programs Heating programs		Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves		
Heating programs	Drograms	Splice programs	Max. 300, 40 are pre-optimised, 260 editable by user		
Applicable: 250 µm, 900 µm tight & loose buffer fiber, 28.3mm jacket cord and rectangular drop cate 3.5mm round drop cable, reversible for use from front&back Provided Automatic fiber identification Automatic arc calibration Display of remaining Splice & Heat cycles Size Size / Weight Weight Monitor DC output DC output USB port Storage media AC input Power supply DC input Battery pack Onboard user training video Applicable: 250 µm, 900 µm tight & loose buffer fiber, 28.3mm jacket cord and rectangular drop cate 3.5mm round drop cable, reversible for use from front&back Provided SMF / MMF / NZDS / BIF / Other Automatically compensates for environmental condition changes Provided (Battery mode) 128(W) x 154(D) x 130(H) mm (without anti-shock rubber) 1.7kg (without Battery) / 2.0kg (with Battery BU-16) 5.0" touch screen color LCD display DC 12V (for JR-6+) USB 2.0 (mini-B type) Storage media SD / SDHC memory card MAX32GB AC input DC input Battery pack Li-ion 10.8V, 6.400mAh (BU-16) Altitude: 0 - 6,000m, Temperature: -10 - +50°C, Humidity: 0 - 95% (non-condensing),	Fiograms				
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Display of remaining Splice & Heat cycles		Automatic fiber identification	SMF / MMF / NZDS / BIF / Other		
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Size / Weight Weight 1.7kg (without Battery) / 2.0kg (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 0- 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),		Display of remaining Splice & Heat cycles	Provided (Battery mode)		
Monitor 5.0" touch screen color LCD display		Size	128(W) x 154(D) x 130(H) mm (without anti-shock rubber)		
DC output	Size / Weight	Weight	1.7kg (without Battery) / 2.0kg (with Battery BU-16)		
Terminals USB port Storage media USB 2.0 (mini-B type) SD / SDHC memory card MAX32GB AC input Power supply AC input DC input Battery pack AC 100 - 240V, 50/60Hz (ADC-16) 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),		Monitor			
Storage media SD / SDHC memory card MAX32GB		DC output	DC 12V (for JR-6+)		
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),	Terminals	USB port	USB 2.0 (mini-B type)		
Power supply DC input Battery pack DC 10 ~ 15V Li-ion 10.8V, 6,400mAh (BU-16) Altitude: 0 ~ 6,000m, Temperature: -10 ~ +50°C, Humidity: 0 ~ 95% (non-condensing),		Storage media	SD / SDHC memory card MAX32GB		
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),	Power supply	AC input	AC 100 ~ 240V, 50/60Hz (ADC-16)		
Operating condition Altitude: 0 ~ 6,000m, Temperature: -10 ~ +50°C, Humidity: 0 ~ 95% (non-condensing),		DC input	DC 10 ~ 15V		
		Battery pack			
	Operating condition				
	Storage condition		Temperature: -40 ~ +80°C, Humidity: 0 ~ 95% (non-condensing), Battery: -20 ~ +30°C (long term)		
	Electrode life *3				
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			
SHOCK resistance	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), 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	
₽		FHS-025	For ϕ 0.25mm single fiber	
Acc		FHS-09	For Φ0.9mm single fiber	
esso	Fiber holder	FHS-025/LB5	For 0.9mm loose buffered single fiber	
os	Fiber Holder	FHD-1	For indoor / outdoor rectangular drop cable	
ries		1SM-ST	For indoor rectangular drop cable	
		FHC-3	For 3mm cable	
ਰ੍ਹ		Lynx-S	For Φ3mm cord and Φ0.9mm single fiber	
2	Battery pack	BU-16	Li-ion 6,400mAh	
Splicer	Battery charger	BC-16	_	
	Car battery cable	PCV-16	Vehicle 12V outlet	
	Electrode	ER-10	_	
	Handheld cleaver	FC-8R-FC	Auto blade rotation + cleave counter	
	Tialidileid Cleavel	FC-8R-F	Auto blade rotation	
Ą	Tabletop cleaver	FC-6R+	Auto blade rotation	
ccessories	<u> </u>	FC-6S+	Single fiber cleaver	
	Jacket remover	JR-M03	Jacket remover for single fiber	
	Loose tube cutter	LTC-01	_	
	Alcohol dispenser	HR-3	_	
	Fiber protection	FPS-1	60mm, diameter after shrink approx. \$\phi 3.2mm	
	sleeve	FPS-40	40mm, diameter after shrink approx. Φ3.2mm	
1 1	310040	FPS-61-2 6	61mm diameter after shrink approx Φ 2.6mm	

Kit Components			
SEL Part Number	Splicer Kit	Cleaver	Holders
Q102LITE-CORE-KIT-6Rp	Fiber Stripper (JR-M03), One Pack of Fiber Protection Sleeves, Shipping Case, One Set of Spare Electrodes (ER-10), AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102)	FC-6R+	Fiber Clamps
Q102LITE-CORE-KIT-6RpFH	Same as Q102LITE-CORE-KIT-6Rp	FC-6R+	Fiber Clamps, FHS-025, FHS-09, FHS-025-LB5-SET
Q102LITE-CORE-KIT-6SpFH	Same as Q102LITE-CORE-KIT-6Rp	FC-6S+	Fiber Clamps, FHS-025, FHS-09, FHS-025-LB5-SET
Q102LITE-CORE-KIT-8R	Same as Q102LITE-CORE-KIT-6Rp	FC-8R-F	Fiber Clamps
Q102LITE-CORE-KIT-8RFH	Same as Q102LITE-CORE-KIT-6Rp	FC-8R-F	Fiber Clamps, FHS-025, FHS-09, FHS-025-LB5-SET

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