SAVITRI
TELECOM SERVICES

Single Fiber Fusion Splicer 38S+

Designed to keep you going

The 38S+ Single Fiber Fusion Splicer is designed for high-end FTTH splicer applications in FTTX, Data Center / LAN and Access Networks. 38S+ offers an active V-Groove alignment of single to single fiber for reliable and improved splicing performance for a range of different fibers; SMF, MMF, DSF, NZDSF. This Fusion Splicer is applicable for 125µm cladding diameter/up to 3mm sheath diameter fibers with sheath clamp. 38S+ provides advanced capabilities; including splice result storage of 10,000 splices, 5-16mm short cleave length splicing, Also, equips "wireless communication function" which allows automatic cleaver blade rotation for CT50 when the splicer judges the blade is worn.

Key Features

- The world's smallest & lightest Active V-groove Splicer
- Core loss estimation function.
- Active V-groove fiber alignment.
- Splice time 6Sec.
- 200 splice cycles / tube heating cycles per full battery charge.

- 4.9" color LCD Touch Screen display.
- Extremely lightweight, 1.3 kg including battery.
- Dimensions of measurement- 131W x 201Dx 79H mm.
- Robust, shock, dust and rain resistant.
- Multi-functional carry case and work table accessories.
- USB communication for PC connection

38S+ Standard package

Item	Model	Qty
Clad Alignment Fusion Splicer	38S+	1 pc
Battery Pack *	BTR-11A	1 pc
AC Adapter	ADC-19A	1 pc
AC Power Cord	ACC-11(EU type)	1 pc
USB Cable	USB-01	1 pc
Electrodes, for spare	ELCT2-16B	1 pair
Carrying case	CC-36	1 pc
Quick reference guide	QRG-01-E	1 pc
Warning and cautions	WAC-01-E	1 pc
Splice test report	Only English	1 pc
Single fiber stripper	SS03	1 pc
Optical fiber cleaver	CT-50	1 pc
Instructional manual	M-CT50-E	1 pc

*1: Please follow IATA regulation when shipping the battery by air.

38S+ Options

Item	Model	Remark
Fiber setting plate	AD-10-M24	Max. 900µm coating diameter
Fiber holder	FH-70-200	200µm coating diameter
	FH-70-250	250µm coating diameter
	FH-70-900	900µm coating diameter
	FH-70-160	160µm coating diameter
	FH-70-500	500µm coating diameter
	FH-60-DC250	250µm in drop wire cable
	FH-FC-20	900µm in 2mm diameter cable
	FH-FC-30	900µm in 3mm diameter cable
	FH-60-LT900	900µm loose buffer cable
Fiber holder set plate	SP-01	Fiber holder set base
Sheath clamp	CLAMP-S31B	900um loose buffer cable
Single fiber stripper	SS03	Stripped to 125/250/900µm diameter
Battery pack	BTR-11A	Battery pack for replacement

Specifications

Item		Specification
Fiber alignment method		Active V-Groove alignment
Fiber count can be spliced		Single fiber
Applicable fiber	Fiber type	SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
	Cladding dia.	125µm
Applicable coating	Sheath clamp	Coating dia.: Max. 3,000µm
		Cleave length : 5 to 16mm
	Fiber holder	Coating dia.: refer to options
		Cleave length : approx. 10mm
Fiber splice performance	Splice loss	ITU-T G.652 : Avg. 0.03dB
		ITU-T G.651 : Avg. 0.01dB
		ITU-T G.653 : Avg. 0.05dB
		ITU-T G.654 : Avg. 0.05dB
		ITU-T G.655 : Avg. 0.03dB
Item	Splice time	Typical 6sec.
Applicable protection sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time	40mm mode: typical 15sec.
		60mm mode: typical 25sec.
Fiber tensile test force		Approx. 2.0N
Electrode life		Approx.5,000 splices, Replaceable without tool
Physical description	Dimensions W	Approx.131mm without projection
	Dimensions D	Approx.201mm without projection
	Dimensions H	Approx.79mm without projection
	Weight	Approx. 1.3kg including BTR-11A battery
Environmental condition	Temperature	Operate : -10 to 50°C
		Storage :-40 to 80°C
	Humidity	Operate : 0 to 95%RH non-condensing
		Storage : 0 to 95%RH non-condensing
	Altitude	Max. 5,000m
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1.5A
	Output	Approx. DC 19V, max. 3.42A
Standard battery pack BTR-11A	Type	Rechargeable Lithium Ion
	Output	Approx. DC14.4V / 3190mAh
	Capacity	Approx. 200 splice and heat cycles
	Temperature	Operate : -10 to 50 degreeC
		Recharge : 0 to 40 degreeC
		Storage : -20 to 30 degreeC
	Battery life	Approx. 500 recharge cycles

Specifications

Display	LCD monitor	TFT 4.9 inches with touch screen
	Magnification	132 to 300x
Illumination	V-grooves	LED lamp
	Wireless	Bluetooth 4.1 LE
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
Data storage	Splice mode Heat mode	100 splice modes 30 heat modes
	Splice result	10,000 splices
	Splice image	100 images
Other features	Automatic functions	Fusion control
		Splice start
		Heater start
	Reference guide	PDF file stored in splicer
	Sheath clamp	Easy sleeve positioning clamp
	Electrode	Replaceable without tool
	Software for PC	Splicer firmware update via internet
		Parameter upload and download

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While
Empowering

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