

The FTTH Splicer

**Lightspeed
Mobility**



Single Fiber Fusion Splicer

Fujikura 12S

Fixed v-groove, Dual-axis observation system



Open & Splice!



Place & Splice!



Sling & Splice!

- Excellent for FTTH.
- World's Smallest & Lightest.
- Superior mobility for aerial / confined space.



Fujikura 12S

SPECIFICATIONS

Applicable fibers	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Cladding dia. / Sheath dia.	125µm / 160µm to 3mm by fiber holder system
Cleave length	5mm to 13mm
Splice mode / heating mode	Total 100 splice modes / 30 heating modes
Typical splice loss	0.05dB (SM), 0.02dB (MM), 0.08dB (DS) and 0.08dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards.
Splice time	Typical 15sec SM AUTO
Tube heating time	Typical 30sec FP-03, coating dia. 900µm
Splice result storage	Last 2000 splices
Viewing methods / magnification	2 axis CMOS camera with 4.47" color LCD, 100X magnification.
Tension test	1.96 to 2.25N
Applicable protection sleeve	60mm, 40mm and Fujikura micro sleeves
No. of splice / heating per battery full charge*1	Typical 100 cycles with BTR-10
Electrode life	3000 splices
Size / weight	121W x 162D x 57H mm / 776g (including battery)
Operating condition	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
Other features	PC software upgrade / data management
Resistance tests*2	Shock : 76cm (30inch) bottom surface drop Dust : Exposure to dust (0.1 to 500µm dia. Alumina Silicate). Rain : H=10mm/hr for 10min

*1: one(1) splicing and heating cycle per two(2) min. under room temperature condition.

*2: Carried out in Fujikura labs in Japan. The shock resistance, dust resistance and rain resistance test do not guarantee that the product will not be damaged under these conditions.

STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	12S with BTR-10 and ELCT2-12	1pc
AC adapter	ADC-19	1pc
AC power cord	ACC-XX XX=08(JP),09(US), 10(UK), 11(EU),12(AU)	1pc
Carrying case	CC-29	1pc
Spare electrodes	ELCT2-12	1pair
Instruction manual CD	M-12	1pc
Quick reference guide	Q-12S-E	1pc
Alcohol pot	AP-01	1pc
Screw driver	SD-01	1pc

OPTIONAL ITEMS

Description	Model No.
Fiber holders	FH-60-250 (coating dia. of 250µm)
	FH-60-900 (coating dia. of 900µm)
	FH-60-DC250 (2mm x 3mm drop cable)
	FH-60-IDC250 (1.6mm x 2mm drop cable)
	FH-FC-20 (coating dia. of 900µm in ø2.0mm cord)
	FH-FC-30 (coating dia. of 900µm in ø3.0mm cord)
FH-60-LT900 (900µm dia. loose buffer fiber)	
Battery pack	BTR-10
Electrodes	ELCT2-12
Transfer clamp	CLAMP-DC-12 (Transfer drop cable to heater)

ACCESSORIES

Description	Model No.
High precision single fiber cleaver	CT-06 (for single fiber)
High precision fiber cleaver	CT-30 series (for single to 12 ribbon fibers)
Primary coat stripper	PS-02
Nylon jacket stripper	JS-01
Protection sleeves	FP-03 / 03 (L=40) and FPS01 series

STANDARD PACKAGE



OPTIONAL ITEMS



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Specifications and descriptions are subject to change without prior notice.

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