

## 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.
Return loss	>>60dB
Typical splice time	15sec SM AUTO
Typical tube heating time	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	5000 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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