

The FTTH Splicer

**Lightspeed
Mobility**



Single Fiber Fusion Splicer

Fujikura 12S-C

Fixed v-groove, Dual-axis observation system



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



Fujikura 12S-C

SPECIFICATIONS

Applicable fibers	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Cladding dia. / Sheath dia.	125 μm / Up to 3mm with sheath clamp
Cleave length	5mm to 16mm
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-C 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
V-Groove Cleaning Brush	VCB-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)
Sheathclamp	CLAMP-S21A (included in standard package)
	CLAMP-S21B (900um dia. loose buffer fiber)
Battery pack	BTR-10
Electrodes	ELCT2-12
Transfer clamp	CLAMP-DC-12 (Transfer drop cable to heater)

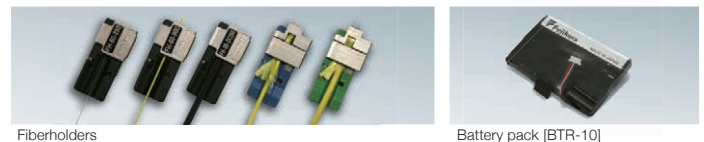
ACCESSORIES

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 FPS01series

STANDARD PACKAGE



OPTIONAL ITEMS



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