

Lightspeed mobility

—The FTTH splicer—



Ribbon Fiber Fusion Splicer

Fujikura 12R

Fixed v-groove, Dual-axis observation system



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



Open & Splice!



Place & Splice!



Sling & Splice!

Fujikura 12R

SPECIFICATIONS

Applicable fibers	SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
Fiber count	Single to 4
Cladding dia./ Sheathe dia.	Single : 125 μm / 160μm to 3mm by fiber holder system Ribbon : 125μm / Ribbon fiber thickness 0.25 to 0.4mm
Cleave length	10mm 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 / tube heating time	Typical 20sec with SM / Typical 30sec with FP-04(T) sleeve
Splice result storage	Last 2000 splices
Viewing methods / magnification	2 axis CMOS camera with 4.47" color LCD. 33X to 66X 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	1500 splices
Size / weight	121W x 162D x 57H mm / 776g (including battery)
Operating condition	Altitude : 0 to 3,660m(single)/3,000m(2fibers)/1,525m(4fibers) 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	12R 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-12R-E	1pc
Alcohol pot	AP-01	1pc
Screw driver	SD-01	1pc

OPTIONAL ITEMS

Description	Model No.
Fiber holder	FH-50-250*, FH-60-250 (coating dia. of 250μm)
	FH-50-900* (coating dia. of 900μm)
	FH-50-2 (2 fiber ribbon)
	FH-50-4 (4 fiber ribbon)
	FH-60-DC250 (coating dia. of 250μm in drop cable)
	FH-FC-20(coating dia. of 900μm in 2.0mm Sheath code)
	FH-FC-30(coating dia. of 900μm in 3.0mm Sheath code)
	FH-60-LT900(900μm dia. loose buffer fiber)
Battery pack	BTR-10
Electrodes	ELCT2-12

*FH-50-250/900 improves usability with single fiber due to flange design.

However it cannot be used with HJS-03.

ACCESSORIES

Description	Model No.
High precision fiber cleaver	CT-30 series (for single to 12 ribbon fibers)
Primary coat stripper	PS-02
Nylon jacket stripper	JS-01
Thermal jacket stripper	HJS-03
Protection sleeves	FP-04(T) / 03 / 03 (L=40) and FPS01series

STANDARD PACKAGE



OPTIONAL ITEMS



Specifications and descriptions are subject to change without prior notice.

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