



Fiber Optic Fusion Splicer

Features

- State-of-the-art core-to-core fiber Profile Alignment System (PAS)
- Fully-automatic, semi-automatic and manual operating modes
- Automatic detection of fiber cleaved face quality
- Automatic display of cleaved fiber and the offset angles
- Automatic analysis and estimation of splice loss
- Automatic detection of bad/faulty splice
- Automatic detailed data report record and memory storage for each splice (up to 2,000 splices)
- Automated 2N splice tension test
- Handy, easy-to-carry, solid and durable with shock-resistant design
- Enhanced windproof fusion area cover
- Color HD 5.1" LCD and graphical interface
- English or Spanish language, user-selectable
- Single X or Y view, or X and Y simultaneously
- High quality electrodes with up to 5,000 splicing cycles
- Easy user-replaceable electrodes design (set of spares is included)
- Wide range of fusion and heating parameter defaults and options
- Built-in temperature, humidity, and air pressure sensors
- Intelligent power indicator and auto power-off
- Built-in heat shrink heater: Easy to use, quick, customizable parameters
- Data reports can be downloaded to PC and system upgrades can be uploaded via USB port and cable
- Built-in work lights make optical-fiber placement easier and more accurate, even at night or in dark work areas
- High precision 6 motor drive design

Description

The Multicom MUL-FSPlice-100 Fiber Optic Fusion Splicer employs high-speed image processing technology and special positioning technology, allowing the total process of fusion splicing to be finished within 8 to 10 seconds. The large-screen LCD clearly demonstrates every stage of optical-fiber fusion splicing process as it occurs and allows for high magnification inspection and quality assessment by the operator.

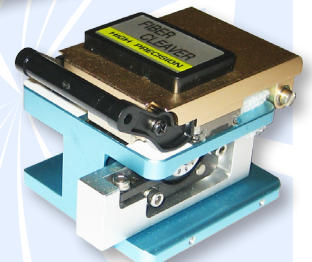
The Fusion Splicer is compact in size, lightweight, and is ideal to work just about anywhere, including outdoor environments and remote worksites.

Fiber Optic Fusion Splicer Kit Includes:

- MUL-FSPlice-100 Fiber Optic Fusion Splicer
- Fiber optic cable/fiber/connector fixture-clamp sets for FTTH, PON: .9, 3.0, PX, SC connector
- Heatshrink Connector Fixture-Clamp
- Precision Optical Fiber Cleaver and case
- Fiber Stripper
- Alcohol bottle with dab-action auto-closing top (empty)
- USB Thumb Drive with manual, USB PC drivers, splice file viewer
- Cotton "Q-tip" pack
- AC Adapter
- Spare Electrodes
- Heat Shrink Cooling Tray
- Heavy Duty Carrying Case
- Operating Manual



Fiber Optic Fixture/Clamp Set



Precision Optical Cleaver



Fusion Splicer, Cleaver and all Accessories come in a Heavy Duty Carrying Case

MUL-FSPlice-100

Model: 100
Fusion Splicer
Multicom

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Fiber Optic Fusion Splicer

Product Specifications

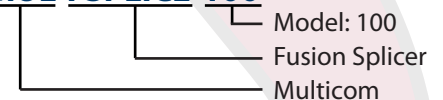
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Technical Specifications

Parameter	Specification
Applications	SM (Singlemode - ITU-T G.652), MM (Multi-mode - ITU-T G.651), DS (Dispersion displacement, ITU-T G.653, NZDS (Non-zero dispersion displacement, ITU-T G.655)
Splice loss	0.02dB (SM), 0.01 dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Return loss	> 60dB
Operation mode	Full auto, semi-auto, manual
Average splicing time	8 - 10 seconds
Average heating time	36 seconds
Fiber aligning method	Core, clad, manual alignment
Fiber diameter	Cladding diameter: 80 ~ 150 μ m, coating diameter: 100 ~ 1000 μ m
Fiber cleaved length	10 ~ 16mm (coating diameter <250 μ m), 16mm (coating diameter: 250 ~ 1000 μ m)
Lens magnification	Vertical double display: 310x, horizontal double display: 155x
Display	High Definition 5.1 inch, 640 x 480 LCD
Tension test	Standard 2N (option in unit settings)
Heat shrinkable tube	60mm, 40mm and other micro-heat shrinkable tube
Battery capacity splice-heat cycles	400 typical
Battery full charge time	3 hours - unit is able to operate/splice during charging process
Battery life	300 ~ 500 charging cycles
Power display	Real-time remaining power is displayed on screen
Electrode life	5000 splice cycles typical, easily replaceable electrodes (included)
Optical fiber fixture/clamp	Included assortment of fiber clamps allows for accurate optical fiber positioning
Construction lighting	Extra bright wide angle light for splicing at low lighting levels or night
External ports	USB
Power Supply	Built-in 11.8V lithium battery External AC adapter: Input AC 100-240V, Output: DC 12.6V/5.0A
Operating conditions	-10 ~ 50°C (14 ~ 122°F), 95% no condensation, 0 ~ 5000m above sea level
Dimensions	169mm L x 152mm W x 155mm H
Weight	2.4kg (5.3lb) without battery, 2.9kg (6.4lb) with battery

MUL-FSPLICE-100



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