



Fiber Optic Fusion Splicer

Features

- 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
- State-of-the-art core-to-core fiber Profile Alignment System (PAS)
- Fully-automatic, semi-automatic and manual operating modes
- Single X or Y view, or X and Y simultaneously
- 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
- 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.

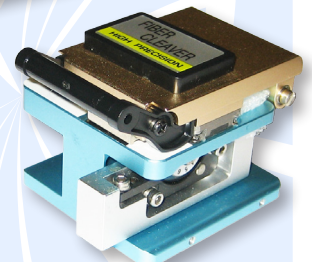
The Fusion Splicer is compact in size, lightweight, and is ideal to work just about anywhere, including outdoor environments and remote worksites.

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

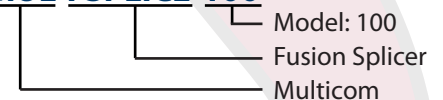
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Technical Specifications

| 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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