



# Fiber Optic Fusion Splicer

## Features

- **FAST 7 Second Splicing • ULTRA-FAST 9 Second Heat Shrinking**
- **Drop/Impact, Dirt/Dust and Water Resistant**
- **3 Year Warranty**
- 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 10,000 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" LCD display and graphical interface
- English, French, Spanish, Portuguese and Russian language, user-selectable
- Single X or Y view, or X and Y simultaneously
- High quality electrodes with up to 3,500 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, air pressure sensors and automatic arc correction
- Intelligent power indicator, auto power-off and quick-change battery
- 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 4 motor drive design

## Description

The tough and rugged Multicom MUL-FSPLICE-200 Fiber Optic Fusion Splicer is drop/impact, dirt/dust and water resistant - and comes with a 3 year warranty. The splicer employs high-speed image processing and special positioning technology allowing the fusion splicing to be completed in a FAST 7 seconds and can heat shrink in an ULTRA-FAST 9 seconds. The splicer is compact in size, lightweight, and is ideal to work just about anywhere including harsh outdoor environments, dark and remote worksites.

## Fiber Optic Fusion Splicer Kit Includes:

- MUL-FSPLICE-200 Fiber Optic Fusion Splicer
- Universal fiber optic fiber holders
- Precision Optical Fiber Cleaver
- USB Thumb Drive with Operating Manual
- Fiber stripper and Sheathing stripper
- Quick-change lithium battery
- AC adapter
- Spare electrodes
- Heat shrink cooling tray
- Cleaning blower bulb
- Tweezers
- Heavy duty carrying case with workshelf



**MUL-FSPLICE-200**

[www.multicominc.com](http://www.multicominc.com)

**Multicom, Inc.**  
**Ph: 800-423-2594**  
**Fax: 407-339-0204**

**Email: [multicom@multicominc.com](mailto:multicom@multicominc.com)**



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## Product Specifications

### Description

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### Technical Specifications

Parameter	Specification
Average splicing time	7seconds - Fast mode
Average heating time	9 seconds - Fast mode
Warranty	3 years - Drop/impact, dirt/dust and water resistant
Applications	SM (single-mode, ITU-T G.652A/B/C/D and ITU-T G.657A/B), MM (Multi-mode, ITU-T G.651), DS (Dispersion Shift, ITU-T G.653), NZDS (Non-Zero Dispersion Shift, ITU-T G.655)
Splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Return loss	> 60dB
Operation mode	Full auto, semi-auto, manual
Fiber aligning method	Core, clad, manual alignment
Fiber diameter	Cladding diameter: 90 ~ 150µm, coating diameter: 125 ~ 1000µm
Fiber cleaved length	10 ~ 16mm (coating diameter <250µm), 16mm (coating diameter: 250 ~ 1000µm)
Lens magnification	200x, 400x
Display	5" Color LCD, High Definition
Tension test	Standard 2N (option in unit settings)
Heat shrinkable tube	60mm, 40mm and other micro-heat shrinkable tube
Battery capacity splice-heat cycles	260 typical
Battery full charge time	3 hours - unit is able to operate/splice during charging process
Battery life	300 ~ 500 charging cycles, Quick-change lithium battery
Power display	Real-time remaining power is displayed on screen
Electrode life	3,500 splice cycles typical, easily replaceable electrodes (included)
Optical fiber fixture/clamp	Universal fiber holders allows accurate optical fiber positioning
Construction lighting	Extra bright wide angle light for splicing at low lighting levels or night
External ports	USB
Power Supply	AC Power Adapter, quick-change lithium battery
Operating conditions	-10 ~ 50°C (14 ~ 122°F), 95% no condensation, 0 ~ 5000m above sea level
Dimensions	138mm L x 158mm W x 138mm H
Weight	1.81kg (4lb) with battery, 1.56kg (3.4lb) without battery
Optional Extra	Quick-change lithium battery - Adds 260 cycles (typical)

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**Multicom, Inc.**

**Ph: 800-423-2594 / 407-331-7779**

**Fax: 407-339-0204**

**Email: [multicom@multicominc.com](mailto:multicom@multicominc.com)**