



# Fiber Optic Fusion Splicer

## Product Specifications

### Description

The tough and rugged Multicom MUL-FSPLICE-200 Core-to-Core Alignment Fiber Optic Fusion Splicer is drop/impact, dirt/dust and water resistant. Multicom is proud to provide a **3 Year USA Warranty, and all USA Service and Support.**

The splicer employs high-speed image processing and special positioning technology allowing the fusion splicing to be completed in as little as a FAST 7 seconds and can heat shrink in as little as 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

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

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Specifications subject to change without notice

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- **FAST 7 Second Splicing** (optional)
- **ULTRA-FAST 9 Second Heat Shrinking** (optional)
- **Drop/Impact, Dirt/Dust and Water Resistant**
- **Core-to-Core, State-of-the-Art Fiber Profile Alignment System (PAS)**
- **3 Year Warranty**
- **Quick-change Rechargeable Lithium Battery**
- **German Design, USA & Japanese Technology**

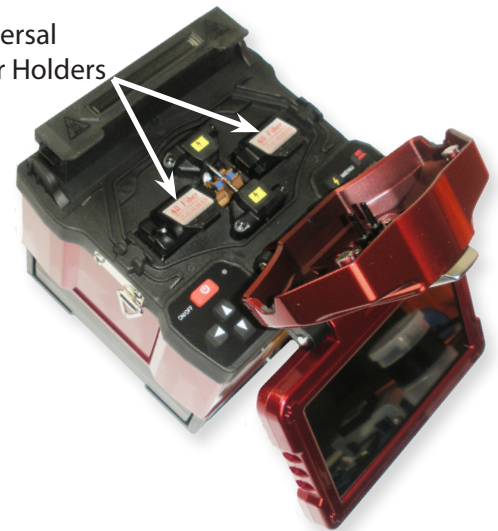
Quick-change Rechargeable Lithium Battery



### 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

Universal Fiber Holders



- 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, Spanish and French languages, user-selectable
- Single X or Y view, or X and Y simultaneously - up to 400x magnification
- 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

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Parameter	Specification
Applicable Optical Fiber Types	SM (G.652/G.657), MM (G.651), DS (G.653), NZD S (G.655), EDF,BIF/UBIF
Applicable Optical Fiber Core Number	Single Core
Applicable Optical Fiber Diameter	Cladding Diameter: 90-150µm, Coating Diameter: 125~1000µm
Fusion Splice Model	Factory: 40 Groups, User Defined: 80 Groups
Average Fusion Splice Loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Return Loss	Better than 60dB
Fusion Splice Time	9 Sec (Typical Mode), 7 Sec (Fast Mode)
Fusion Splice Loss Estimate	Displayed at completion of splice process
Heat Shrinking Time	2mm Heating Sleeve (9-15s Adjustable) 4mm Heating Sleeve (14-19s Adjustable ) 6mm Heating Sleeve (17-23s Adjustable )
Heating Temperature	Below 300°C (customizable)
Automatic Heating Mode	Automatic fiber identification & heat shrinking when cover is closed
Alignment Modes	Core alignment, Cladding alignment, Fine alignment
Applicable Optical Fiber Cable Diameter	2mm, 3mm, 4mm, 6mm
Applicable Sleeve Length	60mm, 45mm, 40mm (FP-03)
Tension Test	≥2N
General	
Display	5 inch Color LCD
Optical Fiber Magnification	X/Y: 200 times, X or Y: 400 times
Data Storage	10,000 Records
Image Storage	10 Images
Data Interface	USB 2.0
Power Supply	11.1V Lithium Battery, 13.5V/5A AC Power Adapter
Battery	Model 200: Typically 260 Cycles (Splicing / Heating), Full charge: 3 Hours Recharge Cycle: 500 Times, Quick-change, Plug-in, 6800mA Li-battery
Operating Environment	Elevation: 0 ~ 5000m, Relative humidity: 0 ~ 95% Temperature:-20°C ~ 55°C, Maximum wind speed: 15m/s
Storage Environment	Relative humidity: 0 ~ 95%, Temperature: -40°C ~ 80°C (without battery), -10°C ~ 40°C (with battery)
Weight	1.56kg / 3.4lb (without battery), 1.81kg / 4.0lb (with battery)
Corrosion Resistance	Equipment components, parts and materials meet composite anti-corrosion requirements, liquid/spill resistance
Size	158L × 138W × 138H (mm), 6.2L x 5.4W x 5.4H (in)
Working Aloft	With an optional side hook strap, you can hang the machine directly from the operator's neck by using a neck strap (not provided)
Warranty	3 Year - Domestic 1 Year - International

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