Description

The tough and rugged Multicom MUL-FSPLICE-150 Core-to-Core Alignment Fiber Optic Fusion Splicer is drop/impact, dirt/dust and water resistant. Multicom is proud to provide a **2 Year USA and 1 Year International Warranty, with all USA Service and Support**.

The Fusion Splicer employs high-speed image processing and special positioning technology allowing the fusion splicing to be completed in as little as a FAST 8 seconds and can heat shrink in as little as an ULTRA-FAST 10 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:

- Heavy Duty Carrying Case
- MUL-FSPLICE-150 Fiber Optic Fusion Splicer with Universal Fiber Holder
- Quick-change Rechargable Lithium Battery
- Quality Optical Fiber Cleaver
- Power Cord
- USB Thumb Drive with Operating Manual
- Operating Manual
- Cleaning Alcohol Dispenser
- Cleaning Bulb
- AC Adapter
- Heat Shrink Cooling Tray
- Work Shelf
- Nonconductive Tweezers
- Sheathing Stripper
- Spare Electrodes
- 3-Hole Fiber Stripper

MUL-FSPLICE-150

INDUSTRY'S BEST
2 YEAR
SATISFACTION GUARANTEED
MULTICOM
QUALITY ASSURANCE WARRANTY

- **FAST 8 Second Splicing** (optional)
- **ULTRA-FAST 10 Second Heat Shrinking** (optional)
- **Drop/Impact, Dirt/Dust and Water Resistant**
- **Core-to-Core, State-of-the-Art Fiber Profile Alignment System (PAS)**
- **2 Year USA, 1 Year International Warranty - USA Service and Support**
- **Quick-change Rechargeable Lithium Battery**
- **German Design, USA & Japanese Technology**

Quick-change Rechargable 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 3,000+ 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, 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

MUL-FSPLICE-150

Parameter	Specification
Applicable Optical Fiber Types	SM (G.652/G.657), MM (G.651), DS (G.653), NZDS (G.655), EDF,BIF/UBIF
Applicable Optical Fiber Core Number	Single Core
Applicable Optical Fiber Diameter	Cladding Diameter: 80-150μm, 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	10 Sec (Typical Mode), **8 Sec (Fast Mode)**
Fusion Splice Loss Estimate	Displayed at completion of splice process
Heat Shrinking Time	**2mm Splice Sleeve (10-15s Adjustable)** 4mm Splice Sleeve (14-19s Adjustable) 6mm Splice Sleeve (17-22s Adjustable)
Heating Temperature	Below 230°C (446°F) (customizable)
Automatic Heating Mode	Automatic fiber identification & heat shrinking when cover is closed
Alignment Modes	Core alignment, Cladding alignment, Manual 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, English, Spanish, French (user selectable)
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 150: Typically 200+ Cycles (Splicing / Heating), Full charge: 3 Hours Recharge Cycle: 500 Times, Quick-change, Plug-in, 5200mAH Li-battery
Operating Environment	Elevation: 0 ~ 5000m, Relative humidity: 0 ~ 95% Temperature: -20°C ~ 55°C (-4°F ~ 131°F), Maximum wind speed: 15m/s
Storage Environment	Relative humidity: 0 ~ 95%, -40°C ~ 80°C (-40°F ~ 176°F) (without battery) -10°C ~ 40°C (14°F ~ 104F) (with battery)
Weight	1.51kg / 3.3lb (without battery), 1.91kg / 4.2lb (with battery)
Corrosion Resistance	Equipment components, parts and materials meet composite anti-corrosion requirements, liquid/spill resistance
Size (L x W x H)	145 × 143 × 158 (mm), 5.7" x 5.6" x 6.2"
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	**2 Year - Domestic, 1 Year -International**

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