

Fiber Optic Fusion Splicer Kit

NT-FSPLICE-400



Description:

The tough and rugged Multicom MUL-FSPLICE-400 Core-to-Core Alignment Fiber Optic Fusion Splicer is drop/ impact, dirt/dust and water resistant.

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 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:



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Features:

- FAST 7 Second Splicing (optional)
- ULTRA-FAST 9 Second Heat Shrinking (optional)
- Drop/Impact, Dirt/Dust and Water Resistant
- 6 Motor Precision Mechanism
- 5-direction Anti-shock
- Core-to-Core, State-of-the-Art Fiber Profile Alignment System (PAS)
- 3 Year Domestic, 1 Year International Warranty - USA Service and Support
- Quick-change Rechargeable Lithium Battery
- German Design, USA & Japanese Technology
- Titanium Alloy Body/Frame
- High Performance Processor Board

Nanda Technologies's NT-FSPLICE-400 uses 6 Motor Technology:

- 2 Driving Motors
- 2 Aligning Motors
- **2 Focusing Motors** – These motors are not normally included in Motor Fusion Splicers

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

Additional Features:

- 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



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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: 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), 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 (17-22s 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/5AAC Power Adapter
Battery	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° ~ 55°C (-4° ~ 131°F), Maximum wind speed: 15m/s
Storage Environment	Relative humidity: 0 ~ 95%, Without battery: -40° ~ 80°C (-40° ~ 176°F) With battery: -10° ~ 40°C (14° ~ 104°F)
Weight	Without Battery: 1.51Kg (3.3lb), With Battery: 1.81Kg (4.0lb)
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 (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)

The Nanda Technologies NT-FSPLICE-400 is available for OEM branding