Ribbon Fiber Fusion Splicer

s124 M16

Up to 16-fiber 200 µm ribbon splicing
Interchangeable V-groove system
Suited for 250 µm and 200 µm pitch 12-fiber ribbons
Easy operation with touch panel and GUI
3 LED light allow convenient loading of fiber in V-groove
Wi-Fi Connection allows wireless control and data management
Specifications

Applicable fibers
- MM (ITU-T G.651)
- DS (ITU-T G.653)
- NZD (ITU-T G.653)

Fiber Count
- Up to 16-fibers

Cladding diameter
- 125 µm

Fiber coating diameter
- Single fiber, 0.25 mm, 0.9 mm
- Ribbon fiber, 200 µm, 250 µm (refer to fiber holder)

Fiber lengthening
- 10 mm

Average splice loss
- SM: 0.05 dB, MM: 0.03 dB
- DS: 0.08 dB, NZD: 0.08 dB, BIF: 0.05 dB

Typical splice time
- 16-fiber ribbon: 23 sec.
- 12-fiber ribbon: 15 sec.
- Single fiber: 13 sec.

Typical heating time
- 16-fiber ribbon: 28 sec.
- 12-fiber ribbon: 28 sec.
- Single fiber: 13 sec.

Splice program
- Max. 300

Heat program
- Max. 100

Applicable protection sleeve length
- 40 mm / 60 mm

Tension test
- 1.86 N

Discharge compensation function
- Automatic correction according to temperature and atmospheric pressure

Optical fiber viewing method
- Two-way observation from X and Y axes

Magnification
- 4.3 inch wide LCD monitor with touch screen

Splice result storage / Image capture capacity
- Last 10,000 splices
- Last 100 images to be automatically captured

Dimensions
- 179W x 246D x 131H mm including shock absorber
- 179W x 246D x 131H mm incl. shock absorber

Weight
- 1.8 kg (with battery)

Data output
- USB ver. 2 mini B x 1 port, Standard A x 1 port

Power source
- AC: 100-240 V (50/60 Hz)
- DC: 11-24 V

Battery capacity
- 170 splice and heating cycles

Operating condition
- Altitude: 0-2,000 m (1-12-fibers), 0-1,000 m (16-fibers)
- Temperature: -10 to +50°C (non-condensing)
- Humidity: 0-95% RH (non-condensing)

Storage condition
- -40 to +60 °C

Environmental Durability

Drop impact
- Vertical drop test (5 sides excluding the top side) is conducted from a height of 76 cm and the normal operation is confirmed.

Impact protection
- The normal operation is confirmed after dropping a 500 grams weight at a rate of once a 90 seconds at the room temperature (20°C) condition when using a new 100% charged battery. The number of times you can use depends on the state of the battery and usage.

Dustproof
- The normal operation is confirmed after putting the equipment in a device containing dust of 25 μm or less for 8 hours.

Drip proof
- The normal operation is confirmed after exposing water droplet of IPA 3 grade with 3 mm/m to 4 sides for 2.5 min or more tilted by 15 degree.

Optional components

Standard Package

<table>
<thead>
<tr>
<th>Item</th>
<th>Model No.</th>
<th>JE-239 2111 TR100 D</th>
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</thead>
<tbody>
<tr>
<td>Hard Carrying case</td>
<td>HCC-11</td>
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<tr>
<td>AC adapter</td>
<td>S979</td>
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<tr>
<td>AC charger</td>
<td>SCC-01</td>
<td>1</td>
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<tr>
<td>Battery pack</td>
<td>S947</td>
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<tr>
<td>Battery</td>
<td>S947-101</td>
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<tr>
<td>12-fiber Fiber Guide</td>
<td>FVG-12-P250</td>
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<tr>
<td>Spare electrode</td>
<td>ELR-01</td>
<td>1 pair</td>
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<tr>
<td>AC power cord</td>
<td>S920</td>
<td>1 pair</td>
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<tr>
<td>Cooling tray</td>
<td>CTX-03</td>
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<tr>
<td>Fiber remover (4 fibers)</td>
<td>FRF-01</td>
<td>1 pair</td>
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<tr>
<td>Fiber remover (6/12 fibers)</td>
<td>FRF-02</td>
<td>1 pair</td>
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<tr>
<td>Cleaning brush</td>
<td>VGC-01</td>
<td>1</td>
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<tr>
<td>Electrode sharpener</td>
<td>D5111</td>
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<tr>
<td>Tool case</td>
<td>TC-01</td>
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<tr>
<td>LCD antireflective sheet</td>
<td>ARS-01</td>
<td>1 pair</td>
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<td>Rubber foot</td>
<td>FSC-01</td>
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<td>Quick Reference Guide</td>
<td>FTS-B559</td>
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<td>Instruction manual</td>
<td>UMC-03</td>
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<td>Wi-Fi single</td>
<td>WFD-01</td>
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Fiber holder

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<tr>
<td>Fiber holder (0.25 mm coating fiber)</td>
<td>S712S-250</td>
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<td>Fiber holder (0.90 mm coating fiber)</td>
<td>S712S-900</td>
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<td>Fiber holder (4 fiber)</td>
<td>S712A-004</td>
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<td>Fiber holder (6 fiber)</td>
<td>S712A-006</td>
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<td>Fiber holder (8 fiber)</td>
<td>S712A-008</td>
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<td>Fiber holder (12 fiber)</td>
<td>S712A-12e-P200</td>
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<td>Fiber holder (12 fiber rollable ribbon, 200 µm fiber coating)</td>
<td>S712A-12e-P200</td>
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<tr>
<td>Fiber holder (16 fiber rollable ribbon, 200 µm fiber coating)</td>
<td>S712A-16e-P200</td>
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Fiber Guide V-groove

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<td>Battery</td>
<td>170 splice and heating cycles</td>
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<td>-40 to +60 °C</td>
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Protection Sleeve

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