



# Sumitomo TYPE-72M12

## Ribbon Fiber Fusion Splicer

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### Features

- Ultimate splicing performance
- 0.05dB splice loss for SMF
- 11s splice time
- Dual automatic heating ovens
- 35s heating time
- Long battery life
- Intuitive touch screen display
- Unsurpassed toughness
- IP52 water and dust resistance

# Application

The Sumitomo Type-72M12 is a ribbon fiber fusion splicer. This mass fusion splicer joins two ribbon fiber assemblies with very low loss, allowing for the connection of multiple cables in optical fiber networks. The splicing of up to twelve fibers at a time can significantly reduce the installation time and cost of optical fiber networks.

# Technical Information

**Temperature, Operation [°C]** -10 to +50






**Temperature, Storage [°C]** -40 to +80

**IP Rating** IP52

**Ordering Information** Contact Hexatronic for details regarding kit contents, additional optional accessories and servicing of your Sumitomo splicer.

# Technical Details

Specifications	
<b>Items</b>	<ul style="list-style-type: none"> <li>Model: Type-72M12</li> <li>Part No: S72M1201, S72M1202, S72M1203, S72M1204, S72M1205, S72M1206, S72M1207, S72M1208, S72M1209, S72M1210, S72M1211, S72M1212</li> <li>Power supply: AC100V/200V/240V</li> <li>Weight: 2.5kg (5.5lb)</li> </ul>
<b>Optical fiber</b>	<ul style="list-style-type: none"> <li>Cladding diameter: 200µm, 250µm, 300µm</li> <li>Core diameter: 200µm, 250µm, 300µm</li> <li>Core type: OM3, OM4</li> <li>Core material: Plastic, Biconic, Plastic, Biconic</li> <li>Core diameter: 200µm, 250µm, 300µm</li> <li>Core type: OM3, OM4</li> <li>Core material: Plastic, Biconic, Plastic, Biconic</li> <li>Core diameter: 200µm, 250µm, 300µm</li> <li>Core type: OM3, OM4</li> <li>Core material: Plastic, Biconic, Plastic, Biconic</li> </ul>
<b>Standard performance</b>	<ul style="list-style-type: none"> <li>Splicing accuracy: ±0.1dB</li> <li>Splicing loss: 0.1dB</li> <li>Splicing time: 10s</li> <li>Splicing cycle: 1000</li> <li>Splicing mode: Automatic, Manual</li> <li>Splicing power: 10W</li> <li>Splicing temperature: 250°C</li> <li>Splicing pressure: 1.0MPa</li> <li>Splicing distance: 10mm</li> <li>Splicing width: 10mm</li> <li>Splicing height: 10mm</li> <li>Splicing depth: 10mm</li> <li>Splicing angle: 10°</li> <li>Splicing offset: 10µm</li> <li>Splicing error: 10µm</li> <li>Splicing tolerance: 10µm</li> <li>Splicing precision: 10µm</li> <li>Splicing accuracy: 10µm</li> <li>Splicing loss: 0.1dB</li> <li>Splicing time: 10s</li> <li>Splicing cycle: 1000</li> <li>Splicing mode: Automatic, Manual</li> <li>Splicing power: 10W</li> <li>Splicing temperature: 250°C</li> <li>Splicing pressure: 1.0MPa</li> <li>Splicing distance: 10mm</li> <li>Splicing width: 10mm</li> <li>Splicing height: 10mm</li> <li>Splicing depth: 10mm</li> <li>Splicing angle: 10°</li> <li>Splicing offset: 10µm</li> <li>Splicing error: 10µm</li> <li>Splicing tolerance: 10µm</li> <li>Splicing precision: 10µm</li> <li>Splicing accuracy: 10µm</li> </ul>
<b>Preparation</b>	<ul style="list-style-type: none"> <li>Preparation time: 10s</li> <li>Preparation mode: Automatic, Manual</li> <li>Preparation power: 10W</li> <li>Preparation temperature: 250°C</li> <li>Preparation pressure: 1.0MPa</li> <li>Preparation distance: 10mm</li> <li>Preparation width: 10mm</li> <li>Preparation height: 10mm</li> <li>Preparation depth: 10mm</li> <li>Preparation angle: 10°</li> <li>Preparation offset: 10µm</li> <li>Preparation error: 10µm</li> <li>Preparation tolerance: 10µm</li> <li>Preparation precision: 10µm</li> <li>Preparation accuracy: 10µm</li> </ul>
<b>Functions</b>	<ul style="list-style-type: none"> <li>Automatic fiber joint detection</li> <li>Automatic fiber joint alignment</li> <li>Automatic fiber joint correction</li> <li>Automatic fiber joint monitoring</li> <li>Automatic fiber joint recording</li> <li>Automatic fiber joint storage</li> <li>Automatic fiber joint recall</li> <li>Automatic fiber joint deletion</li> <li>Automatic fiber joint backup</li> <li>Automatic fiber joint restore</li> <li>Automatic fiber joint transfer</li> <li>Automatic fiber joint copy</li> <li>Automatic fiber joint paste</li> <li>Automatic fiber joint undo</li> <li>Automatic fiber joint redo</li> <li>Automatic fiber joint find</li> <li>Automatic fiber joint replace</li> <li>Automatic fiber joint delete</li> <li>Automatic fiber joint insert</li> <li>Automatic fiber joint move</li> <li>Automatic fiber joint copy</li> <li>Automatic fiber joint paste</li> <li>Automatic fiber joint undo</li> <li>Automatic fiber joint redo</li> <li>Automatic fiber joint find</li> <li>Automatic fiber joint replace</li> <li>Automatic fiber joint delete</li> <li>Automatic fiber joint insert</li> <li>Automatic fiber joint move</li> </ul>
<b>Size / Weight</b>	<ul style="list-style-type: none"> <li>Size: 100mm (W) x 100mm (D) x 100mm (H)</li> <li>Weight: 2.5kg (5.5lb)</li> </ul>
<b>Terminals</b>	<ul style="list-style-type: none"> <li>Terminal type: RJ45</li> <li>Terminal count: 8</li> <li>Terminal color: Blue</li> <li>Terminal material: Plastic</li> <li>Terminal length: 10mm</li> <li>Terminal width: 10mm</li> <li>Terminal height: 10mm</li> <li>Terminal depth: 10mm</li> <li>Terminal angle: 10°</li> <li>Terminal offset: 10µm</li> <li>Terminal error: 10µm</li> <li>Terminal tolerance: 10µm</li> <li>Terminal precision: 10µm</li> <li>Terminal accuracy: 10µm</li> </ul>
<b>Power supply</b>	<ul style="list-style-type: none"> <li>Power supply type: AC</li> <li>Power supply voltage: 100V/200V/240V</li> <li>Power supply current: 10A</li> <li>Power supply power: 10W</li> <li>Power supply temperature: 250°C</li> <li>Power supply pressure: 1.0MPa</li> <li>Power supply distance: 10mm</li> <li>Power supply width: 10mm</li> <li>Power supply height: 10mm</li> <li>Power supply depth: 10mm</li> <li>Power supply angle: 10°</li> <li>Power supply offset: 10µm</li> <li>Power supply error: 10µm</li> <li>Power supply tolerance: 10µm</li> <li>Power supply precision: 10µm</li> <li>Power supply accuracy: 10µm</li> </ul>
<b>Operating conditions</b>	<ul style="list-style-type: none"> <li>Operating conditions type: Automatic, Manual</li> <li>Operating conditions power: 10W</li> <li>Operating conditions temperature: 250°C</li> <li>Operating conditions pressure: 1.0MPa</li> <li>Operating conditions distance: 10mm</li> <li>Operating conditions width: 10mm</li> <li>Operating conditions height: 10mm</li> <li>Operating conditions depth: 10mm</li> <li>Operating conditions angle: 10°</li> <li>Operating conditions offset: 10µm</li> <li>Operating conditions error: 10µm</li> <li>Operating conditions tolerance: 10µm</li> <li>Operating conditions precision: 10µm</li> <li>Operating conditions accuracy: 10µm</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>Features type: Automatic, Manual</li> <li>Features power: 10W</li> <li>Features temperature: 250°C</li> <li>Features pressure: 1.0MPa</li> <li>Features distance: 10mm</li> <li>Features width: 10mm</li> <li>Features height: 10mm</li> <li>Features depth: 10mm</li> <li>Features angle: 10°</li> <li>Features offset: 10µm</li> <li>Features error: 10µm</li> <li>Features tolerance: 10µm</li> <li>Features precision: 10µm</li> <li>Features accuracy: 10µm</li> </ul>
<b>Accessories</b>	<ul style="list-style-type: none"> <li>Accessories type: Automatic, Manual</li> <li>Accessories power: 10W</li> <li>Accessories temperature: 250°C</li> <li>Accessories pressure: 1.0MPa</li> <li>Accessories distance: 10mm</li> <li>Accessories width: 10mm</li> <li>Accessories height: 10mm</li> <li>Accessories depth: 10mm</li> <li>Accessories angle: 10°</li> <li>Accessories offset: 10µm</li> <li>Accessories error: 10µm</li> <li>Accessories tolerance: 10µm</li> <li>Accessories precision: 10µm</li> <li>Accessories accuracy: 10µm</li> </ul>
<b>Environmental Capacity</b>	<ul style="list-style-type: none"> <li>Environmental Capacity type: Automatic, Manual</li> <li>Environmental Capacity power: 10W</li> <li>Environmental Capacity temperature: 250°C</li> <li>Environmental Capacity pressure: 1.0MPa</li> <li>Environmental Capacity distance: 10mm</li> <li>Environmental Capacity width: 10mm</li> <li>Environmental Capacity height: 10mm</li> <li>Environmental Capacity depth: 10mm</li> <li>Environmental Capacity angle: 10°</li> <li>Environmental Capacity offset: 10µm</li> <li>Environmental Capacity error: 10µm</li> <li>Environmental Capacity tolerance: 10µm</li> <li>Environmental Capacity precision: 10µm</li> <li>Environmental Capacity accuracy: 10µm</li> </ul>
<b>Accessories</b>	<ul style="list-style-type: none"> <li>Accessories type: Automatic, Manual</li> <li>Accessories power: 10W</li> <li>Accessories temperature: 250°C</li> <li>Accessories pressure: 1.0MPa</li> <li>Accessories distance: 10mm</li> <li>Accessories width: 10mm</li> <li>Accessories height: 10mm</li> <li>Accessories depth: 10mm</li> <li>Accessories angle: 10°</li> <li>Accessories offset: 10µm</li> <li>Accessories error: 10µm</li> <li>Accessories tolerance: 10µm</li> <li>Accessories precision: 10µm</li> <li>Accessories accuracy: 10µm</li> </ul>

Sumitomo Electric Industries, Ltd.

## Articles 15

Article name	Dimensions [mm]	Weight [kg]
<b>Sumitomo Type-72M12 Kit</b> SUM-TYPE-72M12	128 × 154 × 130 (excluding anti-shock rubber)	2.1 (with battery)
<b>Sumitomo Auto Rotating Mass Fiber Cleaver</b> SUM-FC-6RM-C	100 × 81 × 63	0.42
<b>Spare Battery for SUM-TYPE72C+</b> SUM-BU16	—	—
<b>Spare Pair of Electrodes for 39/66/71/72</b> SUM-ER10	—	—
<b>Spare Blade for FC-6R7R Series</b> SUM-FCP-20BL(7R)	—	—
<b>Fiber Holder for 0.25mm single fiber</b> SUM-FHS-025	—	—
<b>Fiber Holder for 0.9mm single fiber</b> SUM-FHS-09	—	—
<b>Fiber Holder for drop and indoor cables</b> SUM-FHD-1	—	—
<b>Fiber Holder for 3mm cable</b> SUM-FHC-3	—	—
<b>Fiber Holder for 2f ribbon</b> SUM-FHM-2	—	—
<b>Fiber Holder for 4f ribbon</b> SUM-FHM-4	—	—
<b>Fiber Holder for 6f ribbon</b> SUM-FHM-6	—	—
<b>Fiber Holder for 8f ribbon</b> SUM-FHM-8	—	—
<b>Fiber Holder for 12f ribbon</b> SUM-FHM-12	—	—
<b>200um to 250um pitch changing holder for pliable ribbon</b> SUM-PCH-12	—	—