

## OptiSplice® Ribbon Handheld Fusion Splicer

An Evolant®  
Solutions Product

### features and benefits |

<b>Fast and reliable operation</b>	20 sec splice (12 fiber) + 40 sec heat-shrink oven = 60 sec typical
<b>Graphic user interface</b>	For easy menu navigation
<b>High-capacity Li-Ion battery</b>	130 12-fiber splices with heat-shrink oven typical
<b>Snap-in magnetic handlers</b>	Provides easy and precise fiber placement every time
<b>Ergonomic layout</b>	Work area faces the operator and includes a removable splice tray holder

Corning Cable Systems OptiSplice® Ribbon Handheld Fusion Splicer is a sturdy and reliable high-performance splicer for restoration and installation of ribbon cable with 2-, 4-, 6-, 8-, or 12-fiber ribbons or single fibers. It features a graphical user interface (GUI) for easy menu navigation and dual cameras which allow for a splice loss estimate of the completed splice.

Ideal for use in low-light environments, the high-intensity LEDs provide splice area illumination and can also illuminate the interior of a splice closure, making this splicer perfect for restoration purposes. The high-contrast, transfective LCD provides great visibility in bright sunlight, a true benefit for outdoor splicing applications.

The splice area cover serves as a wind protector and rubber bumpers protect the corners. The folding screen cover also doubles as an adjustable splice tray holder.

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OptiSplice Ribbon Handheld Fusion Splicer | Photo SEH154



OptiSplice Handheld Fusion Splicer Family | Photo SEH155

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The “snap-in” magnetic handlers provide easy and consistent fiber placement in v-grooves to reduce complexity and rework.

The unit offers an ergonomic layout where the splice area, screen and keypad face the operator. Its compact size allows the fusion splicers to be placed in close proximity to splice closures, pedestals, or NIDs

for efficient workflow. There are factory programs and user-defined programs for common fiber types (single-mode, multimode, NZDS, etc.). The splicer also includes a USB interface for data output and software upgrades, and is easy to clean and maintain. With a fast heat-shrink oven, this splicer is RoHS compliant and operates on a high-capacity Li-Ion battery.

## specifications |

<b>Dimensions (L x W x H)</b>	185 x 140 x 155 mm
<b>Weight</b>	With battery: 2.2 kg Without battery: 1.7 kg
<b>Principle Operation</b>	Fixed V-groove, automatic Z-axis alignment
<b>Fiber Coatings</b>	250 µm and 900 µm (single fibers), 2f, 4f, 6f, 8f and up to 0.40 x 3.18 mm (12-fiber ribbons)
<b>Fiber Types</b>	Single-mode, multimode, NZDS
<b>Typical Splice Loss</b>	Lab: ≤0.04 dB identical single-mode ribbon Field: ≤0.10 dB single-mode ribbon MM: <0.01 dB NZDS: <0.15 dB
<b>Number of Programs</b>	Factory-optimized programs (SM, MMF, NZDS), 50 user-defined programs
<b>Splice Loss Estimator</b>	Lens Profile Alignment System (LPAS)
<b>Monitor</b>	Color QVGA transreflective LCD, 3.5 in screen (76 x 58 mm/94 mm diagonal), 20x magnification, with automatic adjustments for different ambient lighting conditions
<b>Splice Loss Storage</b>	Approximately 10,000 data sets
<b>Data Port/ Software Upgrades</b>	Mini USB 2.0 (cable included in kit)
<b>Typical Splice Time</b>	<20 sec (12-fiber ribbon splice)
<b>Heat-Shrink Oven</b>	40 sec on 12-fiber ribbon heat-shrinks, and 20 sec on 60 mm, 1-fiber heat-shrinks (fastest in the industry)

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## specifications | (continued)

<b>Environmental Compensation</b>	Automatic current optimization program, altitude compensation adjustment (-2000 to 4000 m)
<b>Wind Protection</b>	15 m/sec
<b>Power</b>	90-240 V AC, automatic voltage range selection; 50 to 60 Hz; 7.2 Ah 10.8 V DC rechargeable Li-Ion battery provides approximately (200) 1-fiber splices or (130) 12-fiber splices with heat-shrink oven, recharge time approximately 3 hours in external charger
<b>Temperature</b>	Operation: -15° to +50°C, at up to 95% relative humidity Storage: -40° to +80°C, at up to 95% relative humidity

## ordering information |

Part Number	Description
<b>OSR-0SM-T-H</b>	OptiSplice® Ribbon Handheld Fusion Splicer with cleaver, thermal stripper, 1 set or 12-fiber handlers, fast heat-shrink oven, carrying case, 1 Li-Ion battery, external battery charger, AC power supply with US cord, operator's manual (English), detachable splice tray holder/screen cover, and 1-year limited warranty
<b>OSR-XSM-T-H</b>	OptiSplice Ribbon Handheld Fusion Splicer with 1 set of 12-fiber handlers, fast heat-shrink oven, carrying case, 1 Li-Ion battery, external battery charger, AC power supply with US cord, operator's manual (English), detachable splice tray holder/screen cover, and 1-year limited warranty
<b>FBC-012</b>	High-Performance Cleaver for use with single fibers on 2- to 12-fiber ribbons, one-step operation, diamond blade (typically <1°)
<b>FBC-012-01</b>	Replacement Blade for cleaver
<b>Mass-Stripper</b>	AC/DC Powered Thermal Stripper
<b>OS-RIBELEC-1</b>	Spare Electrodes for OptiSplice Ribbon Handheld Fusion Splicer

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## ordering information | (continued)

Part Number	Description
<b>2806031-012</b>	12-Fiber Heat-Shrink Splice Protection Parts (package of 25, 40 mm long)
<b>UAT3-000</b>	Universal Access Tool 3 is designed for midspan access applications for central tube design cables (OD range: 5 mm to 24 mm)
<b>TKT-026-01A</b>	Fiber Organizer Tape Applicator (FOTA) Kit for field ribbonization
<b>RST-000</b>	Ribbon Splitting Tool for splitting ribbons into smaller subunits (9 positions which accommodate ribbons from 4 to 36 fibers)
<b>TKT-RIBBON-COMBO</b>	Ribbon Splitting Tool (RST-000), Universal Access Tool (UAT3-000), and tool for ribbonizing loose tube cables
<b>OS-LIIONBATT-1</b>	Spare Li-Ion Battery for OptiSplice® Ribbon Handheld Fusion Splicer and OptiSplice One Handheld Fusion Splicer
<b>OS-ADAPT250-1</b>	Fiber Handler Set for coated 250 µm single-fiber
<b>OS-ADAPT900-1</b>	Fiber Handler Set for coated 900 µm single-fiber
<b>OS-ADAPT2-1</b>	Fiber Handler Set for 2-fiber ribbon
<b>OS-ADAPT4-1</b>	Fiber Handler Set for 4-fiber ribbon
<b>OS-ADAPT6-1</b>	Fiber Handler Set for 6-fiber ribbon
<b>OS-ADAPT8-1</b>	Fiber Handler Set for 8-fiber ribbon
<b>OS-ADAPT12M-1</b>	Spare Fiber Handler Set for 12-fiber ribbon (3.15 mm)
<b>OS-ADAPT12W-1</b>	Fiber Handler Set for wide 12-fiber ribbon (3.18 mm)
<b>OS-003</b>	Shoulder Harness for OptiSplice Ribbon Handheld Fusion Splicer and OptiSplice One Handheld Fusion Splicer, allows the splicer to be used while suspended in front of the operator or on a standard tripod mounting system; great for working at pedestals or at the side of a home

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