OptiSplice® Ribbon Handheld Fusion Splicer

An Evolant® Solutions Product

features and benefits |

Fast and reliable operation	20 sec splice (12 fiber) + 40 sec heat-shrink oven = 60 sec typical
Graphic user interface	For easy menu navigation
High-capacity Li-Ion battery	130 12-fiber splices with heat-shrink oven typical
Snap-in magnetic handlers	Provides easy and precise fiber placement every time
Ergonomic layout	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, transflective 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.

(continued)

RoHS COMPLIANT

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 |

Dimensions (L x W x H)	185 x 140 x 155 mm
Weight	With battery: 2.2 kg Without battery: 1.7 kg
Principle Operation	Fixed V-groove, automatic Z-axis alignment
Fiber Coatings	250 µm and 900 µm (single fibers), 2f, 4f, 6f, 8f and up to 0.40 x 3.18 mm (12-fiber ribbons)
Fiber Types	Single-mode, multimode, NZDS
Typical Splice Loss	Lab: ≤0.04 dB identical single-mode ribbon Field: ≤0.10 dB single-mode ribbon MM: <0.01 dB NZDS: <0.15 dB
Number of Programs	Factory-optimized programs (SM, MMF, NZDS), 50 user-defined programs
Splice Loss Estimator	Lens Profile Alignment System (LPAS)
Monitor	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
Splice Loss Storage	Approximately 10,000 data sets
Data Port/ Software Upgrades	Mini USB 2.0 (cable included in kit)
Typical Splice Time	<20 sec (12-fiber ribbon splice)
Heat-Shrink Oven	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)

Environmental Compensation	Automatic current optimization program, altitude compensation adjustment (-2000 to 4000 m)
Wind Protection	15 m/sec
Power	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
Temperature	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
OSR-0SM-T-H	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
OSR-XSM-T-H	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
FBC-012	High-Performance Cleaver for use with single fibers on 2- to 12-fiber ribbons, one-step operation, diamond blade (typically <1˚)
FBC-012-01	Replacement Blade for cleaver
Mass-Stripper	AC/DC Powered Thermal Stripper
OS-RIBELEC-1	Spare Electrodes for OptiSplice Ribbon Handheld Fusion Splicer

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ordering information | (continued)

Part Number	Description
2806031-012	12-Fiber Heat-Shrink Splice Protection Parts (package of 25, 40 mm long)
UAT3-000	Universal Access Tool 3 is designed for midspan access applications for central tube design cables (OD range: 5 mm to 24 mm)
TKT-026-01A	Fiber Organizer Tape Applicator (FOTA) Kit for field ribbonization
RST-000	Ribbon Splitting Tool for splitting ribbons into smaller subunits (9 positions which accommodate ribbons from 4 to 36 fibers)
TKT-RIBBON-COMBO	Ribbon Splitting Tool (RST-000), Universal Access Tool (UAT3-000), and tool for ribbonizing loose tube cables
OS-LIIONBATT-1	Spare Li-Ion Battery for OptiSplice® Ribbon Handheld Fusion Splicer and OptiSplice One Handheld Fusion Splicer
OS-ADAPT250-1	Fiber Handler Set for coated 250 µm single-fiber
OS-ADAPT900-1	Fiber Handler Set for coated 900 µm single-fiber
OS-ADAPT2-1	Fiber Handler Set for 2-fiber ribbon
OS-ADAPT4-1	Fiber Handler Set for 4-fiber ribbon
OS-ADAPT6-1	Fiber Handler Set for 6-fiber ribbon
OS-ADAPT8-1	Fiber Handler Set for 8-fiber ribbon
OS-ADAPT12M-1	Spare Fiber Handler Set for 12-fiber ribbon (3.15 mm)
OS-ADAPT12W-1	Fiber Handler Set for wide 12-fiber ribbon (3.18 mm)
OS-003	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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