

# Used Corning Ribbon Fiber Fusion Splicer OptiSplice



## Description

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.

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.

## Features:

- **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

## 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 $\mu\text{m}$ and 900 $\mu\text{m}$ (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
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)
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

**Includes:**

- Corning OptiSplice Ribbon Fusion Splicer (BC# 12383)
  - Splice Count: 1192
- Siecor FBC-012 High Precision Fiber Cleaver

- FiTel S218R Hot Stripper w/ AC Adapter & Power Cord
- Corning DR36-SMB-TNT Fast Charger W/ AC Adapter & Power Cord
- 6 Month Fusion Splicer Care Kit FS6MC:
  - 4oz Flip Jar Of 99% Alcohol
  - (50) Non-Lint Dry Wipes
  - (6) Fiber Optic Wipes w/ 99% Alcohol
  - 2oz Pump Fast Evaporating Mirror Spray
  - (25) Camera Swabs
  - (25) V-Groove Swabs
- Clauss CFS-2 Fiber Optic Stripper
- Corning Fiber Holder Sets:
  - 900 Single
  - 250 Single
  - 12 Ribbon
- Assorted Toolkit
- Spare Electrode Set
- Battery Pack
- AC Adapter/Charger
- Power Cord
- USB PC Interface Cable
- User Manual On CD-ROM
- Case For Hot Stripper
- Hard Carrying Case