

# Model X75 Micro Fusion Splicer

## [Corning X75 Specs](#)

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Corning  
Cable Systems

### Description

Corning Cable Systems X75 Micro Fusion Splicer combines small size with big-machine capabilities. Completely automatic, the X75 unit cleans, gaps, and fuses fibers at the touch of a button, achieving an average splice loss of 0.05 dB on identical single-mode fibers. While this performance is remarkable, the X75 also instantly estimates splice loss.

Under laboratory conditions, fixed V-groove splicers are routinely able to achieve excellent results with most contemporary fibers. In the field, however, dust, environmental conditions, and simple human error can all degrade true splice loss performance. Using its two built-in video cameras, the X75 estimates the loss of every splice made and displays the results on its high-resolution LCD screen. Since the quality of the splice is analyzed on-site, the danger of numerous remakes is minimized.

Splice protection options include an attachable heat-shrink oven and Corning Cable Systems Crimp & Go® splice protection crimping device. A universal splice tray holder is also available. With the addition of the FBC-006 precision diamond cleaver, the X75 becomes a complete system that provides quick, reliable splicing at the touch of a button. The splicer and all of its options fit perfectly into the sturdy transit case. This transit case is lockable, waterproof, and may be pressurized. The case even comes with a convenient shoulder strap.

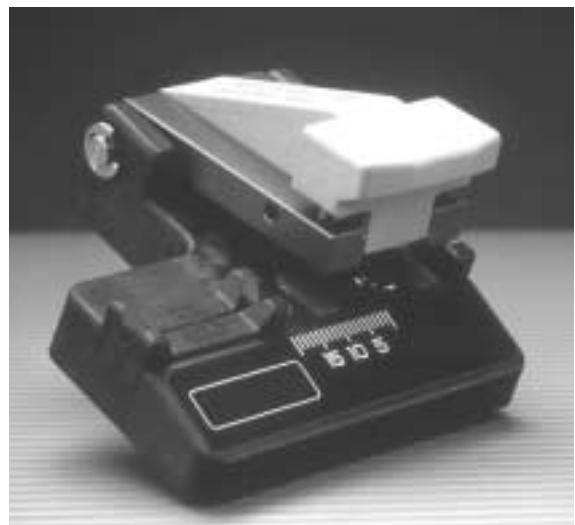
Advanced features and simple, one-button operation make the X75 the ideal choice for both novice and expert splicers.

### Features / Benefits

- One-button operation
- Instant splice loss estimation
- High contrast, 5.5-inch color LCD screen displays X and Y views simultaneously
- Two options for individual splice protection
- Compact size
- Operates on camcorder-style battery or AC power
- 15 second splice cycle time
- Average splice loss less than 0.06 dB for identical single-mode fibers and 0.03 dB for multi-mode fibers; typical splice loss in the field is  $\leq 0.10$  dB for single-mode fibers
- Ten factory-set and user-programmable parameter sets for every application
- Tensile-test capability



Model X75 Micro Fusion Splicer | Photo SEH141



FBC-006 Cleaver | Photo FSP1292

## Specifications

<b>Fiber Type</b>	Single-mode or multimode, 250 $\mu$ m to 900 $\mu$ m coating
<b>Fiber Positioning</b>	Fixed V-groove, automatic Z-alignment (gap setting)
<b>Fiber Display</b>	High-contrast 5.5-inch color monitor, 100X magnification, simultaneous display of both fiber axes
<b>Operating Temperature</b>	-5°C to +45°C (+23°F to +113°F)
<b>Storage Temperature</b>	-20°C to +70°C (-4°F to +158°F)
<b>Operating Humidity</b>	95% non-condensing
<b>Power</b>	Integrated power supply with tilt base provides: AC: 95 - 260 V with automatic voltage range selection; 50 to 60 Hz DC: 12 V rechargeable camcorder-style batteries; DC output ports for operation of accessories
<b>Dimensions (H x W x D)</b>	6.5 in x 7 in x 4.5 in (17 cm x 18 cm x 11 cm)
<b>Weight</b>	9.4 lb (4.3 kg)
<b>Typical Splice Loss</b>	< 0.06 Standard single-mode fibers < 0.03 Multimode fibers

## Ordering Information

Part Number	Description
X75-0SM-T-H	X75 Fusion Splicer Kit with heat-shrink oven; complete with precision diamond cleaver, maintenance tool kit, splice tray holder, standard transit case, tilt base AC/DC power supply, and two 12 V batteries
X75-0SM-T-C	X75 Fusion Splicer Kit with Crimp & Go <sup>®</sup> tool; complete with precision diamond cleaver, maintenance tool kit, splice tray holder, standard transit case, tilt base AC/DC power supply, and two 12 V batteries
X75-XSM-T-H	X75 Fusion Splicer with heat-shrink oven; complete with maintenance tool kit, splice tray holder, and standard transit case
X75-XSM-T-C	X75 Fusion Splicer with Crimp & Go tool; complete with maintenance tool kit, splice tray holder, and standard transit case

## Accessories

X7-EXT	Airline-Grade Transit Case with wheels for maximum protection during shipping
X7-CASE	Standard Transit Case for X7 Series Splicers with tilt power supply
X75-004	Heat-Shrink Oven with adapter for X75 fusion splicer
2806031-01	Heat-Shrink Splice Protection Sleeves [package of 50, each 2.36 in (60 mm) in length]
X75-010	Crimp & Go Tool with mounting bracket
FSA-012	Crimp & Go Splice Protection Parts (package of 150)
M67-003	Fusion Splicing Tool Kit
FBC-006	Precision Diamond Cleaver
X75-006	Worklight
A0398057	Camcorder Battery



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