

# CamSplice™ FBC-017 Mechanical Splice

An Evolant®  
Solutions Product

## features and benefits |

<b>Fiber alignment mechanism</b>	Self-centers the fiber for accurate alignment
<b>No adhesive or epoxy required</b>	Reduces splice time with no curing needed
<b>Universal</b>	One part fits 250 μm fiber coatings and 900 μm tight buffer cable
<b>Ideal for FTTx applications</b>	Optimized and IEC tested on ClearCurve® fiber and compatible with SMF-28e®
<b>Designed for difficult installation scenarios</b>	Handheld cleaver and unique tool kit design

Corning Cable Systems CamSplice™ Mechanical Splice is recommended for indoor or outdoor fiber-to-fiber splicing, pigtail splicing and is ideal for FTTx applications. Incorporating a unique patented fiber alignment mechanism that self-centers the fibers and provides accurate alignment, the CamSplice Mechanical Splice requires minimal training and few accessories to assemble. Typical splice loss is specified at 0.15 dB with a maximum loss less than 0.3 dB. The one-part-fits-all design accommodates 250/250 μm, 250/900 μm or 900/900 μm applications. With no adhesive or epoxy required, the assembly process involves stripping and cleaving fibers, inserting the fibers into the splice part until they touch and turning the cams to secure the fibers. No polishing is required, an assembly fixture is recommended and a self-contained tool kit is also available. A typical installation takes less than two minutes and the completed splices fit in Corning Cable Systems splice trays as well as industry-standard splice trays.



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## specifications |

<b>Dimensions</b>	44 mm (1.73 in) length (Body - 83 mm with boots) x 4.2 mm (0.17 in) width (Cam)
<b>Typical Splice Loss</b>	0.15 dB
<b>Maximum Splice Loss</b>	≤ 0.3 dB
<b>Temperature Range</b>	-40 to +75°C, < 0.1 dB average variation
<b>Vibration</b>	10 to 55 Hz with 1.52 mm (0.06 in) maximum excursion, three planes, < 0.5 dB variation, 2 hours in each plane
<b>Tensile</b>	0.50 lb (2.2 newtons) for 250 µm coated fibers 1 lb (4.4 newtons) for 900 µm tight-buffered fibers
<b>Reflectance</b>	≤ -60 dB (angled cleave)

*A summary of testing procedures and results is available upon request.*

## ordering information |

Part Number	Description
<b>Splice Parts</b>	
<b>CAM-SPLICE-CC</b>	CamSplice™ FBC-017 Mechanical Splice
<b>Accessories</b>	
<b>TKT-CAMSPLICE-CC</b>	CamSplice Mechanical Splice Tool Kit; includes CamSplice Mechanical Splice assembly fixture, crimp tool, angled cleaver, fiber coating stripping tool, and other miscellaneous items required for splicing; kit comes in a compact carrying case
<b>2104040-01</b>	CamSplice Mechanical Splice Assembly Fixture
<b>2104341-01</b>	Crimp Tool for CamSplice FBC-017 Mechanical Splice
<b>FBC-017</b>	Precision Diamond Handheld Angled Cleaver

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