

CamSplice™ FBC-017 Mechanical Splice

An Evolant®
Solutions Product

features and benefits |

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

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

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

ordering information |

Part Number	Description
Splice Parts	
CAM-SPLICE-CC	CamSplice™ FBC-017 Mechanical Splice
Accessories	
TKT-CAMSPLICE-CC	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
2104040-01	CamSplice Mechanical Splice Assembly Fixture
2104341-01	Crimp Tool for CamSplice FBC-017 Mechanical Splice
FBC-017	Precision Diamond Handheld Angled Cleaver

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