CamSplice™ No-Adhesive Mechanical Splice

A LANscape® Solutions Product

features and benefits |

Patented 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-all fiber coatings
No polishing required	Reduces installation time

CamSplice No-Adhesive Mechanical Splice | Photo LAN361

Corning Cable Systems CamSplice™ Mechanical Splice is recommended for indoor or outdoor through or branch splicing, transition splicing between listed and non-listed cables, pigtail splicing and is ideal for emergency restoration. 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. Average "blind" (non-tuned) splice loss is specified at 0.15 dB with a minimum 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 an optional lead-in tube for securing 900 µm fibers.

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 special tools or polishing is required, although an optional 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.

specifications |

Cam Dimensions (L x W)	44 mm (1.73 in) x 4.2 mm (0.17 in)
Mean Splice Loss	0.15 dB
Blind Splice Loss	≤ 0.3 dB
Temperature Range	-40 to +75ºC, < 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
Reflectance	≤ -45 dB (flat cleave) ≤ -60 dB (angled cleave)

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

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ordering information |

Part Number	Description
Splice Parts	
95-000-04	CamSplice™ Mechanical Splices (6/pack)
95-000-04-ATC*	Antitorsion CamSplice Mechanical Splice for 900 µm applications
Accessories	
TKT-100-01	CamSplice Mechanical Splice Tool Kit; includes CamSplice Mechanical Splice assembly fixture, fiber coating stripping tool, and other miscellaneous items required for splicing; kit comes in a compact carrying case
TKT-100-02	Same as above, including an FBC-001 fiber cleaver
2104040-01	CamSplice Mechanical Splice Assembly Fixture
2104341-01	Crimp Tool for Antitorsion CamSplice Mechanical Splice
FBC-001	Score and Snap Fiber Cleaver
FBC-006	Precision Diamond Cleaver
Splice Trays	
M67-031	Aluminum Splice Tray; stores 12 CamSplice Mechanical Splices, Type 2S
M67-053	Aluminum Splice Tray; stores 6 CamSplice Mechanical Splices, Type 2R
M67-061	Aluminum Splice Tray; stores 6 CamSplice Mechanical Splices, Type 2R
UST-024	Universal Splice Tray (organizers included for RTV fusion, heat-shrink fusion, mass fusion and mechanical splices) - Type 4A; 24-splice capacity
M67-070	Aluminum Splice Tray; stores 12 CamSplice Mechanical Splices, Type 4S

* *The antitorsion CamSplice Mechanical Splice is not rematable.*

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