CamSplice™ Mechanical Splice

ClearCurve®

Corning 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 fibre alignment mechanism that self-centres the fibres 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 maximum loss less than 0.3 dB. The one-part-fits-all design accommodates 250/250, 250/900 or 900/900 µm applications with an optional lead-in tube for securing 900 µm fibres. With no adhesive or epoxy required, the assembly process involves stripping and cleaving fibres, inserting the fibres into the splice part until they touch and turning the cams to secure the fibres. 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 splice trays as well as industry-standard splice trays.

CamSplice for ClearCurve Mechanical Splice | Photo LAN1369

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Features and Benefits

No adhesive or epoxy required
Reduces splice time with no curing needed

Universal
One-part-fits-all-fibre-coatings

No polishing required
Reduces installation time

Fibre alignment mechanism
Self-centers the fibre for accurate alignment end and low loss

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Specifications

General Specifications	
Technology	Mechanical Splice
Packaging	Bulk Pack
Product type	Connector Tools and Tool Kits
Compatibility	ClearCurve® fiber cables

Temperature Range	
Operation	-40 °C to 75 °C (-40 °F to 167 °F)

Design - Connector	
Housing colour	black

Mechanical Specifications - Connector	
Tensile Strength 900 µm Cable, Crimped	4.4 N (1 lb)
Tensile Strength 250 µm and 900 µm Cable, Uncrimped	2.2 N (0.5 lb)
Temperature cycling	≤ 0.1 dB from -40 to +75°C

Optical Specifications - Connector	
Mean Splice Loss	≤ 0.15 dB
Blind Splice Loss	≤ 0.3 dB
Reflectance	≤ -45 dB (flat cleave)
Reflectance (angled cleave)	≤ -60 dB
Vibration	≤ 0.5 Hz at 10 to 55 Hz with 1.52 mm (0.06 in) maximum excursion, three planes, two hours in each plane

Mechanical Characteristics	
Dimensions (L x W)	44 mm x 4.2 mm (1.73 in x 0.17 in)

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Chemical characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Ordering Information

Part Number	CAM-SPLICE-CC
Product Description	CamSplice™ Mechanical Splice, ClearCurve® Compatible

Shipping Information

Units per delivery	25/1
Package Contents	25 mechanical splices, 50 boots

RoHS COMPLIANT

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