

Mechanical Splice

Description

- Mechanical splice is an easy-to-install device. It was designed for splicing any combination of 250 to 900 micron coated fibers. Using V groove technology, it requires no adhesive.

- Mechanical splice incorporates a unique alignment method that self centers fibers, providing accurate alignment. It provides permanent, high-performance fiber optic splices for both SM or MM fibers with minimum tooling. Mechanical splice is an ideal solution, either for outside plant or inside a building.

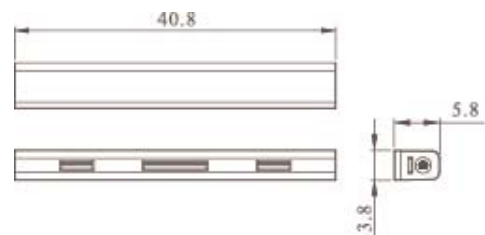
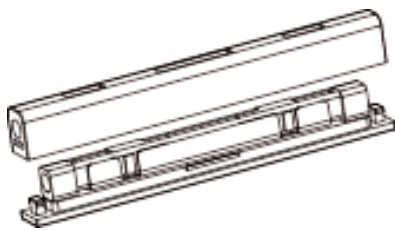


Specifications

Item	Single-Mode	Parameter	Multi-Mode
Fiber Size		250 μm or 900 μm	
Fiber OD.	125 μm (G.652.D & G.657.A/B)		125 μm
Assemble Time		30 (after preparing fiber ends)	
Insertion Loss		$\leq 0.2\text{dB}$	
Insertion Loss, Typical		0.1dB	
Return Loss	$\leq -40\text{dB}$		$\leq -25\text{dB}$
Pull Strength, Typical		$\geq 3.5\text{N}$	
Repeatable installation		$>20\text{Times}$ ($\Delta\text{IL} \leq 0.2\text{dB}$ $\Delta\text{RL} \leq 0.2\text{dB}$)	
Operating Temperature ($^{\circ}\text{C}$)		$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$	
Storage Temperature ($^{\circ}\text{C}$)		$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$	
Dimension, L X W X H (mm)		40.8 x 3.8 x 5.8	
Package Option		6 pieces per package	

Appearance & Dimension

Mechanical Splice



Order Information

P/N	Description
EC03.102050.002	Mechanical Splice 40.8mm x 3.8mm x 5.8mm, Blue
EC03.102050.001	Mechanical Splice 40.8mm x 3.8mm x 5.8mm, Black

Description

- The Mechanical Splice Installation Tool Kit provides a collection of various tools needed for all tasks associated with the installation, maintenance and termination of fiber optic cable.
- The case is lined with a soft foam-padding material in order to keep the well designed tools safe, neat and in proper working order.
- Easily carrying with different tool kit combinations according to customer's request.



Tool Kit for 0,9 mm/0,25 mm Mechanical Splice

P/N	Tools	Function		Quantity	Unit
		A1 Edition	A2 Edition		
EC11.030000.002 (A1) EC11.030000.003 (A2)	Fiber Carver	Fiber Cutting, Module No.: FC-7R-S	Fiber Cutting, Module No.: FC-6S	1	pc
EC11.030000.001	Installation Fixture	Fix the Mechanical Splice during assembly		1	pc
EC11.030000.004	Fiber & Jacket Strippers	Remove the coating of fiber & Remove the cable jacket(Tri-Hole Fiber Optic Stripper HT-144H)		1	pc
EC11.030000.005	Alcohol bottle	Fill the alcohol		1	pc
EC11.030000.006	Wipe paper	Clean the fiber		1	box
EC11.030000.007	Match gel	Reducing the loss caused by Fresnel reflection between fiber surface and air		1	bottle
EC11.030000.011	Kevlar Scissors	Cut the kevlar		1	pc
EC11.030000.008	Jacket Cutter	Cut the cable		1	pc
EC11.030000.009	Installation Pouch	Fill the tools		1	pc
EC11.030000.010	Marker	Make marker on the fiber		1	pc

Order Information

P/N	Description
EC11.030001.000	Mechanical Splice installation tool Kit-A1 (FC-7R-S)
EC11.030002.000	Mechanical Splice installation tool Kit-A2 (FC-6S)