

# Mechanical LC Connector

Eliminates the Use of Splicing, Polishing or Epoxy for Bare or Buffered Fiber



900 μm LCA  
Mechanical Connector

## Features and Benefits

- Fully compatible with other LC connectors
- Reduces the need for slack storage
- Reduces assembly time
- No polishing or epoxy required
- Easy instructions
- Useful in multiple applications

## Product Description

OFS offers a mechanical LC connector that provides quick and easy assembly in the field. The Connector is similar to factory installed LCA and LCU connectors. It has the familiar push-pull insertion and release that is known by most craft personnel. Minimum amount of tools required and has an easy to follow installation method.

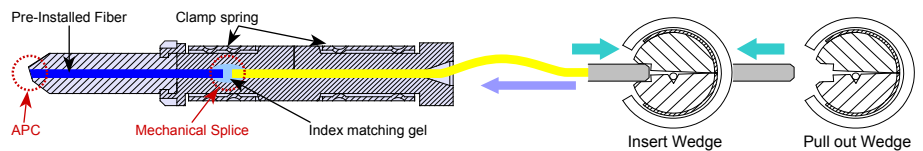
The offering is for single-mode and multimode connectors that can mount on bare or buffered fiber.

Performance Characteristics	
Item	Specification
<b>Applicable fiber</b>	Single-Mode fiber (900 μm) for LC APC
	Single-Mode fiber (900 μm) for LC UPC
<b>Insertion loss</b>	≤ 0.25 dB
<b>Return loss</b>	≥ 60 dB
<b>Durability</b>	< 0.1 dB change, 500 matings
<b>Operation Temperature</b>	-40 °F ~ +167 °F (-40 °C ~ +75 °C)
<b>Storage Temperature</b>	-40 °F ~ +185 °F (-40 °C ~ +85 °C)
<b>Tensile</b>	TIA/EIA 568-B.3
<b>Intermateability</b>	IEC 61754-4
<b>Assembly time</b>	Typically 2 min

## Applications

- FTTx MDU and SFU
- CLEC/ILEC
- MSO/Broadband/CATV
- Municipal networks
- Data centers

## Mechanical Connector Technology

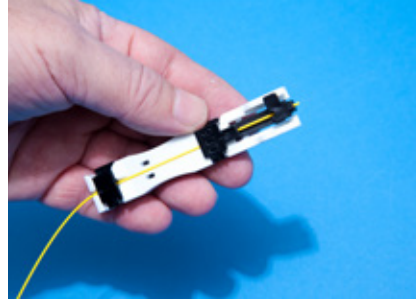


Pull out Wedge under fiber bending condition to keep adequate connection between two fiber end-faces.

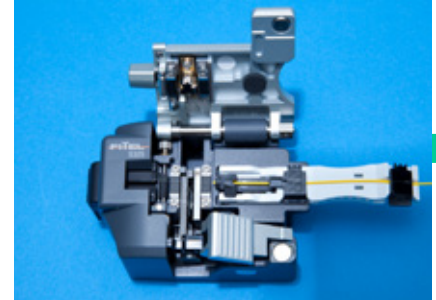
**Simple Assembly Required**



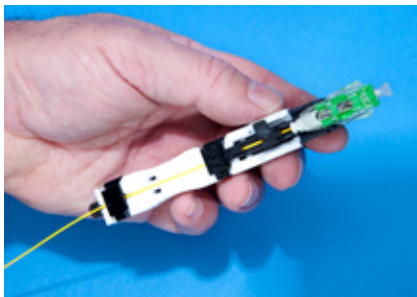
Strip Coating



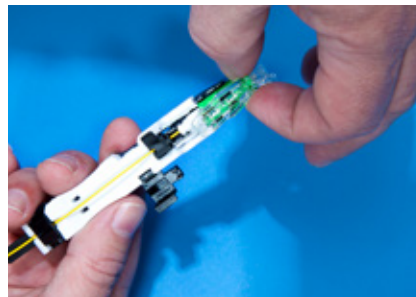
Place Fiber in Fiber Holder



Cleave Fiber



Insert Fiber into Connector



Remove Wedge by Pushing Lever



Complete!

**Mechanical LC Connector Ordering Information <sup>1,2</sup>**

Comcode	Item	Specification
301066585	Mechanical LCA Connector – 250/900 μm fiber	MOCLCA-SM-250um/900um-W/TOOL-50 PACK
301066254	Mechanical LCU Connector – 250/900 μm fiber	MOCLCU-SM-250um/900um-W/TOOL-50 PACK
301066601	Mechanical LCU Connector – 250/900 μm fiber	MOCLCU-MM-250um/900um-W/TOOL-50 PACK
S326A	Cleaver, Flat Cleave	S326A Cleaver

<sup>1</sup> Alignment tool ships with the connector. Cleaving tools required.

<sup>2</sup> Sold in packages of 50.

**For additional information please contact your sales representative.**

You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com) or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.