

# OFMS

## Optical Fiber Mechanical Splicer

The Universal Optical Mechanical Splicer is developed for mechanical connection of optical fibers with a diameter of primary protection from 250  $\mu\text{m}$  do 900  $\mu\text{m}$ . It is filled with a special gel with the same refractive index as glass. Mechanical splice allows quick and stable connections of two optical fibers by simply pressing the loping lid without separate installation tool. SelectCom's Optical Fiber Mechanical Splicer is a mechanical splice that provides an inexpensive, quick alternative to mating fibers. Using V-groove technology, this splice maintains physical contact between the fibers. We provide a precise, simple and low cost method of mechanically splicing optical fiber. Fiber can be spliced simply in this way in a very short time. It can be used for 900/900 $\mu\text{m}$ , 250/250  $\mu\text{m}$ , 250/900  $\mu\text{m}$  fibers.



## Features & Specifications

**ITEM NAME:** OFMS

**FIBER DIAMETER:** 125 $\mu\text{m}$  ( 657A & 657B )

**FIBER MODE:** SMF & MMF

**INSERT LOSS:**  $\leq 0.15\text{dB}$  (1310nm & 1550nm)

**STRENGTH (NAKED FIBER):**  $>5\text{ N}$

**REPEATABILITY:** IL  $\leq 0.2\text{dB}$  | RL  $\leq 5\text{dB}$

**APPLICABLE:**  $\phi 0.25\text{mm}$  &  $\phi 0.90\text{mm}$  Fiber

**TIGHT BUFFER DIAMETER:** 250 $\mu\text{m}$

**OPERATION TIME:** About 60s (no fiber cut)

**RETURN LOSS:**  $\geq 40\text{dB}$

**STRENGTH (NAKED HOLDER):**  $>10\text{ N}$

**OPERATING TEMPERATURE:**  $-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$