

## **Optical Fiber Mechanical Splice**



### **Overview**

Genuine special OMS-02 indoor cable cold splice indoor cable docking special telecommunication line.

Applying patent of self-developed technology - The alloy V groove design, fiber Pre Embedded field assembly connection, the dual end polish, the special preservation techniques of refractive index (matching) liquid, the splicer is of high accuracy(98%), high strength(100N), great stability(insert loss<0.1dB, return loss>50dB) and durable life(10 years).

OMS-02 is developed from DYS which is also the first to apply the V groove technologies and the side-cover stype in world, the first to be verified by TLC Certification and National Standard Test in China, awarded several national and international patent of invention and patent of utility model,higher than the national standards(Q/YTA 328-2008)

### **Application**

- Fiber to the home (FTTH)
- FTTx, Connectingup Renovation of Computer/controlling Room
- Fiber room line transformation

### **Product description**

- Application for cable subscriber troubleshooting
- Precision metallic alloy components with co-axial self centering, excellent and durableoptical property
- Axially firm fitting of optical fibers, reducing any performance degradation due to loss inthe matching gel
- Uninterrupted fitting and connecting technology, hence signals are free of impact fromexternal force
- The naked fiber, tight buffer and cable, etc., can fully meet the environmentalrequirements from the terminals customer
- Integrated protection of the casing to withstand harsh outdoor environment
- High success rate and easiness in installation with average splicing time of 150 sec
- Lock and open fiber optic on the mechanical splicer

## Mini Closure Characteristics

- The accessory optic splice protection
- ABS plastic material
- Be used indoors or outdoors
- Used on tightly wrapped cable subscription  $\phi$  2x3mm
- Mechanical splice is mounted in the closure
- Two-point cap structure
- Install slot optical splice sure, not move
- Lock and open the structure flexible easy to use
- Cable fixed position at both ends
- Print manufacturer name of manufacture on mechanical splice body

## Specifications

ITEM	Technical Parameters
Applicable for	2,2mmx 3,2mm $\pm$ 0,2mm
Dimensions Mechanical splice (mm)	38x7x4
Dimensions mini closure (mm)	95x10x7.5
Optical fiber standard	G652D & 657A1 or option
Tight buffer diameter	250 $\mu$ m & 900 $\mu$ m
Fiber mode	Single mode or Multi mode
Insert loss	$\leq$ 0.15dB
Return loss	$\geq$ 50dB
The success rate	>98%
Standard	IP54
The number of assembly	$\geq$ 10 times
Fastening strength of naked fiber	$\geq$ 3N
Tensile strength	$\geq$ 40 N
Using temperature	-100C $\sim$ +60 $^{\circ}$ C
Operating Wavelength	1310nm, 1490nm, 1550nm
Lifespan	$\geq$ 10 years

## Structured Product

