

# Specification of Horizontal Optical Splice Closure

## MODEL: FOSC-MC009

### General Introduction

#### 1. Applications

FOSC-MC009 can be used for connecting and protecting single core or bunch cables.

FOSC-MC009 can be used for connecting and branching cables in your network projects

FOSC-MC009 Can be used in aerial, underground, direct buried, wall-mounting, hand hole and duct mounting in your network projects

#### 2. Advantages

FOSC-MC009 type fiber closure synthesizes many years' experience of cable construction, which is very convenient for installation, maintain, operation. Its main advantages are as follows:

- Repeatedly use many times
- Cables can be fixed 3 times inside the closure
- Enough space for surplus fibers
- Fixing way of loose leaf type splice tray
- Modular of fiber connecting and fixing
- Flexible branch for fibers

#### Attention Please:

FOSC-MC009 type of FOSC conforms to the standard and relative regulations of communications industry of The People's Republic of China: YD/T814-2004

#### Picture:



## Technical Indexes

### 1. Environment

- Temperature: -30°C- +60°C
- Atmospheric Pressure:70-106Kpa

### 2. Life Span: More than 20 years.

### 3. Material: High strength polypropylene (PP), which can assure any items of physical performance is excellent.

### 4. Sealing Performance

Pressurized up to 100Kpa±5Kpa into the sealed FOSC, then put the FOSC into the water 15minutes. There are no air bubbles. Or there is no change of air pressure within 24 hours.

### 5. Re-entry performance

Re-entry the FOSC 3 times as normal working condition, and pressurized up to 100Kpa±5Kpa into the sealed FOSC, then put the FOSC into the water 15minutes. There are no air bubbles. Or there is no change of air pressure within 24 hours.

### 6. Mechanical Character

- Tensile Test

The axial tensile strength should be not less than 800N, and there is not any crack.

- Squeezing test

The FOSC can bear 2000N/m2 the lasting time is 1 minute. There is not any crack.

- Impact test

The FOSC can bear 16N.M impact 3 times, there is not any crack.

- Bending test.

The link part of cables and FOSC can bear 150N bending strength. The bending angle is ± 45°, repeat 10 times, there is not any crack.

- Torsion Test

The FOSC can bear 50N.m torsion. The torsion angle is ± 90°, repeat 10 times, there is not any crack.

### 7. Temperature Cycling Test

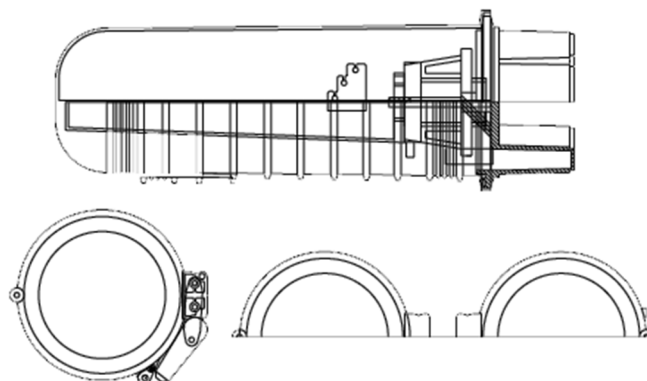
Pressurized up to 60KPa±5Kpa, the FOSC can bear temperature cycling from -40°C to +65°C. Put the sample to the high temperature surrounding 2 hours, then 2 hours at room temperature, then 2 hours at low temperature, last return to room temperature 2 hours ,repeat not less than 10 times cycling. The dropping of the air pressure not more than 5Kpa. Put the sample into the water for 15 minutes, there is not any bubbles.

### 8. Voltage Resistance

Put the sealed closure into the 1.5m deep water for 24h.15kv direct current between the metal parts of both ends or between the earth and metal parts, there is no puncture and no flying-arc.

### 9. Insulation Resistance

Put the sealed closure into the 1.5m deep water for 24h. The insulation resistance between the metal parts of both ends or between the earth and metal parts should be not less than  $2 \times 10^4 M$



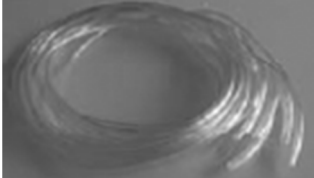

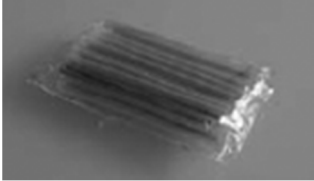





**Product Guide**

**1. Specification**

FOSC-MC009	Ports	Max trays	Cores of 1 tray	Cables (mm)	D*H (mm)	Weight
Single core	9	3	60	10-25	160X540	4.0
Ribbon	9	3	288	10-25	160X540	4.0

Oval port is 65X28 mm X1 d12MM X4 d18mm X2 d26MM x2

**2. Parts and Accessories of FOSC-MC009**

		
<b>1.Hear Shrink Tube</b>	<b>2.Fiber Protective Tub</b>	<b>3. Sand paper</b>
		
<b>4.closure fix hook</b>	<b>5. Fiber Protective Tub</b>	<b>6.Splice Tray protective ribbon</b>
		
<b>7.cable fix hook</b>	<b>8.tape</b>	<b>9.Label Paper</b>
		
<b>10. Hexagonal tool</b>	<b>11.cable tie</b>	

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