

# Specification of Horizontal Optical Splice Closure

## MODEL: FOSC-MC006

### Outline

DYS FOSC-MC006 of fiber closure is used for connecting and protecting single core or bunch cables. It can be placed in underground, aerial, wall-mounting, pedestal or direct buried, hand hole-mounting and duct-mounting applications. We always aim to the R&D of communication equipment. Our fiber closures can improve the operation of your network communication system. Closure is suitable for the applications up to 96 single fibers, which can cover most of the applications in the long-distance transmission and local fiber distribution networks, like Fiber To The Home / Fiber To The Curb (FTTH/FTTC).

### Advantage

FOSC-008 series of fiber closure synthesizes 5 years' experience of cable construction, which is very convenient for installation, maintain, operation. Its main characteristics are as follows:

1. Repeatedly use many times.
2. Cables can be fixed 3 times inside the fiber closure.
3. Enough space for surplus fibers
4. Flexible branch for fibers
5. Loose leaf of splice tray fixing
6. Modular of fiber connecting and fixing
7. Connecting modules for fibers can connect and protect single core cable, branch cable or single-branch mixed cable connecting.

FOSC-MC006 series of fiber closure conform the standard and relative regulations of Communications industry of The People's Republic of China: YD/T 814-2004.

### Picture:



## Technical Indexes

### 1. Specification and model

Model: FOSC-MC008 series of fiber closures

Splice tray number/model	03A double layer arranged (single)
One splice tray	24 cores
Two splice trays	48 cores
Three splice trays	72 cores
Four splice trays	96 cores

### Dimension of inlets/outlets and the closure

Model	Inlets/ outlets	closure diameter minimum (mm)	Closure diameter maximum (mm)	Length (mm)	Cable diameter min (mm)	Cable diameter max(mm)	Oval port min (mm) Double same cable
FOSC-MC008	6	124	131	446	8	20	8~30

**Remark:** on one oval port, it can be suit for 2 cables, which diameter can be from 8mm to 30mm. The oval port can be used for connection online without cutting.

### 2. Environment

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

### 3. Lifespan: more than 25 years

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

### 5. 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.

### 6. 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.

### 7. 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/m<sup>2</sup> 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.

### 8. 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.

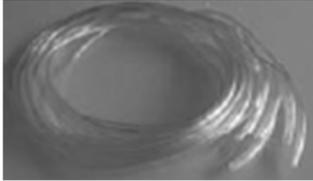
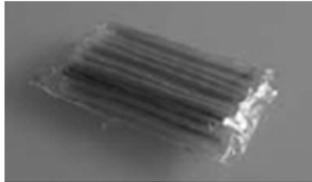
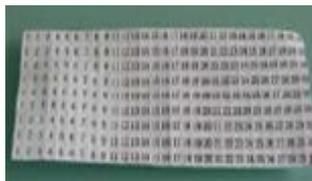
**9. Voltage Resistance**

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.

**10. 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 2x10<sup>4</sup>MΩ.

**11. Accessories**

		
<b>1.branch clip</b>	<b>2. Fiber Protective Tube</b>	<b>3. Rubber Sealing Ring</b>
		
<b>4.Heat shrink tube</b>	<b>5.Drier</b>	<b>6.Fiber protective tube</b>
		
<b>7.Metal hoop</b>	<b>8. Adhesive tape</b>	<b>9.Label paper</b>
		
<b>10.Cable fix tie</b>	<b>11.Tinfoil paper</b>	<b>12.Sand paper</b>
		
<b>13.Splice trays fixed band</b>		

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