

**Specification of Horizontal Optical Splice Closure
MODEL GP TYPE**

Fiber Optical Splice Closures—MC004 are 2 in 2 out hermetically sealed dome fiber optical splice closures designed for aerial, buried/underground and wall-mounting applications. These closures help meet the needs of anyone deploying fiber optic networks: straight/ direct fiber connection, bifurcating fiber connection. FOSC-GP-04 closure features an O-ring sealing system along with an innovative latching/ locking mechanism, and uses heat shrink technology for cable sealing. The closure is designed to allow re-entry and can be reused.



FOSC-MC004

Specification

Item	FOSC-MC004
Dimension (mm)	Φ210×440
Weight (Kg)	3
Cable Diameter (mm)	Φ7-Φ22
Cables Entry & Exit f	2in & 2out
Max Capacity of Cores Per Splice Tray	12 (Single) / 24 Single)
Max Capacity of Splice Trays/ Closure	4
Max Capacity of Core	48(Single, 12 Cores/Tray) / 96 (Single, 24 Cores/Tray)
Sealing Structure of Cable Entry Port	Heat-shrinkable Sealing Structure
Sealing Structure	Silicon Gum Material

Sequence Number	Inspection Item	Requirement	Inspection Results	Conclusion	
1	Appearance and configuration	Appearance	Shape integrity, No defect,color uniform	Meets the requirements	Qualification
		Optical Fibers Storage Set	Residual fiber length no less than 1.6m	> 1.6m	
			Residual fiber curvature Radius no less than 30mm	> 35mm	
		Electric Connecting Set	Electnic connecting or shut off section in the box,ground lead-out section on the external shell.	Meets the requirements	
2	Seal performance	Charged with air which pressure is 60KPa±5KPa+65°C 20°C-40°C 2h10cycles,Allow air pressure change 5KPa,immersed in the water for 15min,no air bubbl escape	No air bubble escape,air pressure change is 4KPs	Qualification	
Sequence Number	Inspection Item	Requirement	Inspection Results	Conclusion	
3	Insulated Resistance	After soaked into the water which is 1.5m deep for 24h,Insulated resistance≥2×104MΩ	Between two metal sections	1×106MΩ	Qualification
			Between metal section and ground	1×106MΩ	Qualification
4	Voltage Resisting Strength	After soaked into the water which is 1.5m deep for 24h,DC 15KV holding 1min,No breakage,no electric arc	Between two metal sections	No breakage No electric arc	Qualification
			Between metal section and ground	No breakage No electric arc	Qualification
5	Seal performance	Charged with air which pressure is 100KPa±5KPa immersed in the water for 15min,no air bubble escape;After remove for 24hr,air pressure keeps unchanged	No air bubble escape,air press keeps unchanged	Qualification	
6	Re-Seal performance	Repeat Seal performance 3 times,no air bubble escape;After remove for 24hr,air pressure keeps unchanged	No air bubble escape,air press keeps unchanged	Qualification	
Sequence Number	Inspection Item	Requirement	Inspection Results	Conclusion	
7	Axis Tensile	For 800N axis strength Charged with air which pressure is 60KPa±5KPa,last 1 min,air pressure keeps unchanged	Air press keeps unchanged	Qualification	
8	Crush	For 2000N/100mm,crush force,Charged with air which pressure is 60KPa±5KPa,last 1 min,air pressure keeps unchanged	Air press keeps unchanged	Qualification	
9	Impact	16N·m,Charged with air which pressure is 60KPa±5KPa,air pressure keeps unchanged	Air press keeps unchanged	Qualification	
10	Bending	150N,±45° 10cycles,Charged with air which pressure is 60KPa±5KPa,air pressure keeps unchanged	Air press keeps unchanged	Qualification	
11	Torsion	50N,±90° 10cycles,Charged with air which pressure is 60KPa±5KPa,air pressure keeps unchanged	Air press keeps unchanged	Qualification	

Model	Size(mm)	Core capacity	Cable Port(max)	Max diameter Of cable(mm)	Splice Tray model	Core capacity Tray	Weight (kg)
FOSC-MC004	201 x 440	96	8	Φ7-Φ22	B	12-24	3

Application

- * Aerial-hanger
- * Wall-mounting
- * Directly buried

Features

- * Open type structure, High quality PC, ABS, PPR optional.
- * Exteranal component and fastening pieces are all made of hight quality stainless steel.
- * Perfext out line ,thunder, erosion and aging resistance.
- * Up to 96 core

Accessories

	Name:Splice Protective Tube Type: DYS-FPS-01 Qty: According to the fiber cores		Name:Hanging Hook Type: Aerial or wall mounting Qty: 1 Set
	Name:Cables Ties Type: Φ3x100(mm) Qty: 4xSplice Tray		Name:Heat- shrinkable Tube Type: Φ 63x170(mm) Qty: 1PCS
	Name:Heat- shrinkable Tube Type:32x170(mm) Qty: 4PCS		Name:Branch Block Type: Qty: 1 PCS
	Name:Marking note Type: non-dru Glue Qty: 4x Fiber core		

DYSFO

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