

# **DATASHEET**

# Fiber Optic Splice Closure-Vertical Type

Offer optical transmission link, to provide through, branching connection and related connecting protection.





#### What is Fiber Closure?

Fiber closure, also known as fiber optic splicing closures, is a device used to provide space and protection for fiber optic cables spliced together. The fiber optic closure connects and stores optical fibers safely either in the outside plant or indoor buildings. It can provide protection for the fiber joint and the fiber cables since they have excellent mechanical strength and strong out shell, which ensures the joints are not damaged by the hostile environment.

#### **Types of Fiber Optic Closure**

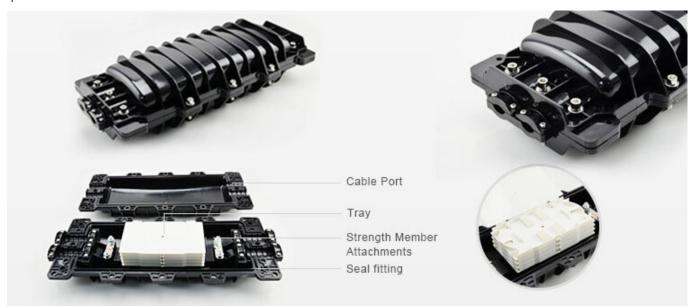
No matter the size, types, and configuration of your network, protecting the connectivity is what counts. According to different applications, there are various types of fiber optic closures in the market for users to choose from and help them protect their networks.

#### **Horizontal Type Fiber Optic Closure**

Horizontal type fiber closure has a flat or cylindrical outer housing to provide space and protection for fiber optic splices. It usually contains one or more fiber splice trays assembled to hold/protect optical fiber splices. The common fiber counts of per splice tray are 6, 12 and 24 fibers. So one fiber closure's splice capacity could cover a range of 6-288Fibers Totally.

They are commonly made of high tensile construction plastic, so they have good adaptability and compression resistance. At the same time, they have good waterproof and dustproof function. If attached to a pole or hung from wiring, these fiber splice closures need to be held firmly in place, to avoid damage from weather and wind. So This type of fiber splice closure is the most commonly used one in mounted aerials or buried underground.

The following picture shows a 96-fiber horizontal fiber optic splice closure. It has two input ports and two output ports providing space for 96 fiber splices. There are four standard 24-fiber splice trays stacked together inside the fiber optic splice closure.



#### **Vertical Type Fiber Optic Closure**

Vertical fiber optic closure looks like a dome, thus it is also called dome fiber optic splice closure or fiber dome closure. It usually contains one or more fiber splice trays assembled to hold/protect optical fiber splices. The common fiber counts of per splice tray are 6, 12,16 and 24 fibers. So one fiber closure's splice capacity could cover a range of 6-672 Fibers Totally.

They are commonly made of high tensile construction plastic, so they have good adaptability and compression resistance. At the same time, they have good waterproof and dustproof function. If attached to a pole or hung from wiring, these fiber splice closures need to be held firmly in place, to avoid damage from weather and wind. The dome shape makes it easy to be buried in many applications, though it also can be used above-ground as well.



The following shows a vertical type splice closure which has five entries providing up to 24 fiber optic splices in two 12fiber splice trays. Different from the above one, the internal fiber splice tray here is suitable for the vertical design of the fiber splice closure.



## Things you should know before ordering.

#### 1, Horizontal Type or Vertical Type

Check above

#### 2, Inlet /Outlet Cable ports

The number of ports in a fiber optic closure reflects its capacity to handle the number of cables. The cable entrance capacity of a fiber optic splice closure refers to the number of ports available for terminating cable within the closure. The number of ports provided in a closure depends on factors such as the network capacity and the number of cables employed in the network. Usually, in an attempt to reduce the physical size of high-capacity closures, smaller ports shall be utilized for branch cables and drop cables.

#### 3, Splice Capacities

As per fiber optic cables types deployed in the networks ,we could calculate how many fibers will be spliced in the closures, then choose how many splice trays, protections sleeves need to pre-assembled.

#### 4, Sealing Method.

According to different installation environment, we should choose the best Sealing method.

Aerial or Pole mount: Mechanical Sealing

Buried: Heat shrink Sealing

Shaft, Man hole, Duct: Heat shrink Sealing +Mechanical Sealing

#### 5. Bonding & Grounding

Proper bonding and grounding of conductive elements of the optical network shall be provided for the safe deployment and operation of the network.

#### 6. Hardware and Accessors

Aerial fiber optic closures may need to hang on the messenger wire depending on the network configuration. Or they may be attached to the pole. In both cases, extra hardware is required along with the closures. The hardware or accessories to attach and secure should be able to bear wear and tear and also environmental stresses.



Heat shrinkable sealing structure. High quality industrial plastic body material 1 oval hole and 3 round holes for cable entrance Suitable for cable diameter 5mm-25mm Support aerial, underground, pipeline, man holes, hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm Maximum capacity: 96 fibers. Number of splice trays: 4 pcs x 24F



## Configuration

Material	Size	Мах Сар	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 440*190	Splice Cores 96 Cores	Trays 12F/24F	1 x oval port 3 x round port	Heat-Shrinkable Seal	2.3kg	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Mechanical sealing structure High quality industrial plastic body material 4 round holes for cable entrance Suitable for cable diameter 5mm-25mm Support aerial, underground, pipeline, man holes, hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm Maximum capacity: 96 fibers. Number of splice trays: 4 pcs x 24F



Material	Size	Max Cap	Max Capacity		Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 430*190	Splice Cores 96 Cores	Trays 12F/24F	4 x round port	Mechanical Seal	2.3kg	Black



Heat shrinkable sealing structure.

High quality industrial plastic body material

1 oval hole and 4 round holes for cable entrance

Suitable for cable diameter 5mm-25mm

Support aerial,underground,pipeline,man holes,hand holes

Protection level reaches IP68

360 degrees access, fiber bending > 40mm

Maximum capacity: 96 fibers.







## Configuration

Number of splice trays: 4 pcs x 24F

Material	Size	Max Cap	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 440*190	Splice Cores 96 Cores	Trays 12F/24F	1 x oval port 4 x round port	Heat-Shrinkable Seal	2.3kg	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat shrinkable sealing structure.

High quality industrial plastic body material
1 oval hole and 4 round holes for cable entrance
Suitable for cable diameter 5mm-38mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm
Maximum capacity: 96 fibers.
Number of splice trays: 4 pcs x 24F





Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 540*205	Splice Cores 96 Cores	Trays 24F	1 x oval port 4 x round port	Heat-Shrinkable Seal	3.6kg	Black



Heat shrinkable sealing structure. High quality industrial plastic body material 1 oval hole and 3 round holes for cable entrance Suitable for cable diameter 5mm-38mm Support aerial, underground, pipeline, man holes, hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm

Maximum capacity: 96 fibers. Number of splice trays: 4 pcs x 24F



## Configuration

Material	Size	Max Cap	pacity	Cable Entrance	Sealing Mechanism	Weight	Color
Polycarbonate (Strengthen PC)	H*D (mm) 420*190	Splice Cores 96 Cores	Trays 12F/24F	1 x oval port 4 x round port	Heat-Shrinkable Seal	2.5kg	Shiny Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

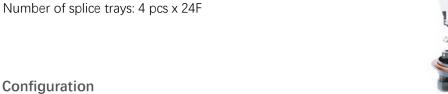
Heat shrinkable sealing structure. High quality industrial plastic body material 1 oval hole and 3 round holes for cable entrance Suitable for cable diameter 5mm-38mm Support aerial, underground, pipeline, man holes, hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm Maximum capacity: 96 fibers. Number of splice trays: 4 pcs x 24F



Material	Size	Max Cap	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Polycarbonate (Strengthen PC)	H*D (mm) 420x190	Splice Cores 96 Cores	Trays 12F/24F	1 x oval port 3 x round port	Heat-Shrinkable Seal	2.5kg	Shiny Black



Mechanical sealing structure. High quality industrial plastic body material 4 round holes for cable entrance Suitable for cable diameter 5mm-38mm Support aerial, underground, pipeline, man holes, hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm Maximum capacity: 96 fibers.





## Configuration

Material	Size	Max Cap	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Polycarbonate (Strengthen PC)	H*D (mm) 395*190	Splice Cores 96 Cores	Trays 12F/24F	4 x round port	Mechanical Seal	2.5kg	Shiny Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure High quality industrial plastic body material 1 oval hole and 6 round holes for cable entrance Suitable for cable diameter 5mm-38mm Support aerial,underground,pipeline,man holes,hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm Maximum capacity: 240 fibers. Number of splice trays: 4 pcs x 24F











Material	Size	Мах Сар	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Polycarbonate (Strengthen PC)	H*D (mm) 455*220	Splice Cores 240 Cores	Trays 24F	1 x oval port 6 x round port	Heat-Shrinkable Seal	3.6kg	Black



Mechanical sealing structure.

High quality industrial plastic body material
6 round holes for cable entrance
Suitable for cable diameter 5mm-38mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm
Maximum capacity: 240 fibers.
Number of splice trays: 4 pcs x 24F



## Configuration

Material	Size	Max Cap	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Polycarbonate (Strengthen PC)	H*D (mm) 450*220	Splice Cores 240 Cores	Trays 24F	6 x round port	Mechanical Seal	3.6kg	Black

## Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure
High quality industrial plastic body material
1 oval hole and 4 or 6 round holes for cable entrance
Suitable for cable diameter 5mm-38mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm
Maximum capacity: 288 fibers.
Number of splice trays: 6 pcs x 48F



Material	Size	Max Ca	Max Capacity		Sealing Mechanism	Weight	Color
Polycarbonate (Strengthen PC)	H*D (mm) 490*220	Splice Cores 288 Cores	Trays 12F/24F/ 48F	1 x oval port 4 or 6 x round port	Heat-Shrinkable Seal	3.6kg	Black



Mechanical sealing structure.

High quality industrial plastic body material
6 round holes for cable entrance
Suitable for cable diameter 5mm-38mm
Support aerial, underground, pipeline, man holes, hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm
Maximum capacity: 288 fibers.
Number of splice trays: 6 pcs x 48F





**Data Sheet** 



## Configuration

Material	Size	Max Cap	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Polycarbonate (Strengthen PC)	H*D (mm) 480*220	Splice Cores 288 Cores	Trays 12F/24F /48F	6 x round port	Mechanical Seal	3.6kg	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Mechanical sealing structure
High quality industrial plastic body material
4 round holes for cable entrance
Suitable for cable diameter 5mm-20mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm
Maximum capacity: 48 fibers.
Number of splice trays: 4 pcs x 12F









Material	Size	Max Cap	pacity	Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 295x190	Splice Cores 48 Cores	Trays 12F/24F	4 x round port	Mechanical Seal	1.7kg	Black



Heat-Shrinkable sealing structure. High quality industrial plastic body material 1 oval hole and 3 round holes for cable entrance Suitable for cable diameter 5mm-20mm Support aerial, underground, pipeline, man holes, hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm Maximum capacity: 48 fibers. Number of splice trays: 4 pcs x 12F



## Configuration

Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 310*190	Splice Cores 48 Cores	Trays 12F/24F	1 x oval port 3 x round port	Heat-Shrinkable Seal	1.7kg	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure High quality industrial plastic body material 4 round holes for cable entrance Suitable for cable diameter 5mm-38mm Support aerial,underground,pipeline,man holes,hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm Maximum capacity: 96 fibers. Number of splice trays: 4 pcs x 24F



Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 460*205	Splice Cores 96 Cores	Trays 24F	1 x oval port 4 x round port	Heat-Shrinkable Seal	2.3kg	Black



Heat-Shrinkable sealing structure.

High quality industrial plastic body material

1 oval hole and 8 round holes for cable entrance

Suitable for cable diameter 5mm-38mm

Support aerial,underground,pipeline,man holes,hand holes

Protection level reaches IP68

360 degrees access, fiber bending > 40mm

Maximum capacity: 144 fibers.

Number of splice trays: 6 pcs x 24F



## Configuration

Material	Size	Мах Сара	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 470*210	Splice Cores 144 Cores	Trays 24F	1 x oval port 8 x round port	Heat-Shrinkable Seal	2.3kg	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure.

High quality industrial plastic body material
1 oval hole and 4 round holes for cable entrance
Suitable for cable diameter 5mm-38mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm
Maximum capacity: 144 fibers.
Number of splice trays: 6 pcs x 24F







Material	Size	Max Cap	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 470*210	Splice Cores 144 Cores	Trays 24F	1 x oval port 4 x round port	Heat-Shrinkable Seal	2.3kg	Black



Heat-Shrinkable sealing structure.

High quality industrial plastic body material

1 oval hole and 6 round holes for cable entrance

Suitable for cable diameter 5mm-38mm

Support aerial,underground,pipeline,man holes,hand holes

Protection level reaches IP68

360 degrees access, fiber bending > 40mm

Maximum capacity: 288 fibers.

Number of splice trays: 12pcs x 24F





# Configuration

Material	Size	Мах Сара	acity	Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 515*310	Splice Cores 288 Cores	Trays 24F	1 x oval port 6 x round port	Heat-Shrinkable Seal	4.5kg	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Mechanical sealing structure
High quality industrial plastic body material
1 mid-span dual holes port and 4 round holes for cable
entrance,4 x 4mm grommets accommodate 16 x drop cables.

Suitable for cable diameter 10mm-25mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm

Maximum capacity: 144 fibers. Number of splice trays: 6pcs x 24F



Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Weight	Color
Strengthen Polymer Plastic	H*D (mm) 470*210	Splice Cores 144 Cores	Trays 6x24F	1 mid-span dual holes port and 4 round holes for cable entrance,4 x 4mm grommets accommodate 16 x drop ca- bles.	Full Mechanical Seal	3.0kg	Black



Heat-Shrinkable sealing structure.

High quality industrial plastic body material
1 oval hole and 16 round holes for cable entrance
Suitable for cable diameter 5mm-30mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm
Maximum capacity: 288-672 fibers.

Number of splice trays: 56 pcs x 12F or : 112 pcs x 4F



#### Configuration

Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP +GF	H*D (mm) 678*312	Splice Cores 672 Cores	Trays 12F/16F/24F	1 x oval port 16 x round port	Heat-Shrinkable Seal	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure
High quality industrial plastic body material
1 oval hole and 16 round holes for cable entrance
Suitable for cable diameter 5mm-30mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm
Maximum capacity: 288 fibers.

Maximum capacity: 288 fibers. Number of splice trays: 24pcs x 12F



Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP +GF	H*D (mm) 488*246	Splice Cores 288 Cores	Trays 12F/16F/24 F	1 x oval port 16 x round port	Heat-Shrinkable Seal	Black



Heat-Shrinkable sealing structure.

High quality industrial plastic body material

1 oval hole and 6 round holes for cable entrance

Suitable for cable diameter 7mm-22mm

Support aerial, underground, pipeline, man holes, hand holes

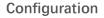
Protection level reaches IP68

360 degrees access, fiber bending > 40mm

Maximum capacity: 144 fibers. Number of splice trays: 12 pcs x 12F

Splitting:1x16/1x32 mini PLC splitters and 18pcs/36pcsSC

adaptors





Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP	H*D (mm) 440*230	Splice Cores 144 Cores	Trays 8F/16F	1 x oval port 6 x round port	Heat-Shrinkable Seal	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure High quality industrial plastic body material 1 oval hole and 10 round holes for cable entrance Suitable for cable diameter 7mm-12mm Support aerial,underground,pipeline,man holes,hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm Maximum capacity: 144 fibers. Number of splice trays: 6pcs x 24F Splitting:1x16/1x32 mini PLC splitters



Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP	H*D (mm) 440*230	Splice Cores 144 Cores	Trays 12F/24F	1 x oval port 10 x round port	Heat-Shrinkable Seal	Black



Heat-Shrinkable sealing structure. High quality industrial plastic body material 1 oval hole and 10 round holes for cable entrance Suitable for cable diameter 5mm-30mm Support aerial, underground, pipeline, man holes, hand holes Protection level reaches IP68

360 degrees access, fiber bending > 40mm

Maximum capacity: 144 fibers. Number of splice trays: 9 pcs x 16F



#### Configuration

Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP	H*D (mm) 320*230	Splice Cores 144 Cores	Trays 16F	1 x oval port 10 x round port	Heat-Shrinkable Seal	Black

#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure High quality industrial plastic body material 1 oval hole and 10 round holes for cable entrance Suitable for cable diameter 5mm-30mm Support aerial,underground,pipeline,man holes,hand holes Protection level reaches IP68 360 degrees access, fiber bending > 40mm

Maximum capacity: 288 fibers. Number of splice trays: 18pcs x 16F



Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP	H*D (mm) 440*230	Splice Cores 288Cores	Trays 16F	1 x oval port 10 x round port	Heat-Shrinkable Seal	Black

locking hoop

assembly



#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure.

High quality industrial plastic body material

1 oval hole and 16 round holes for cable entrance

Suitable for cable diameter 7mm-27mm

Support aerial, underground, pipeline, man holes, hand holes

Protection level reaches IP68

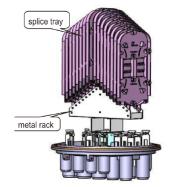
360 degrees access, fiber bending > 40mm

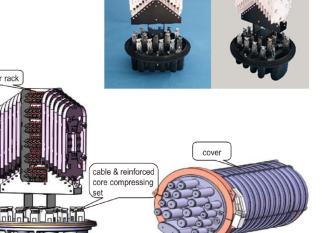
Maximum capacity:

432 fibers.

Number of splice trays:

26 pcs x 16F





# Configuration

Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP	H*D (mm) 510*325	Splice Cores 432 Cores	Trays 12F/16F	1 x oval port 16 x round port	Heat-Shrinkable Seal	Black

adapter rack

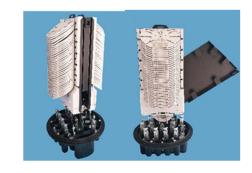
#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure
High quality industrial plastic body material
1 oval hole and 16 round holes for cable entrance
Suitable for cable diameter 7mm-27mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68
360 degrees access, fiber bending > 40mm

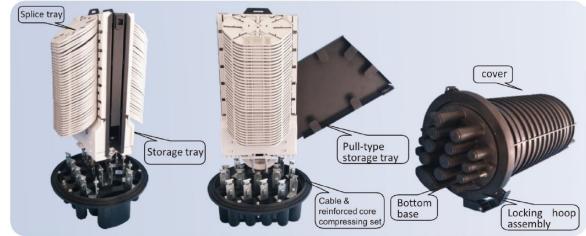
Maximum capacity:

576 fibers.

Number of splice trays: 56pcs x 8F



Bottom base



Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP	H*D (mm) 510*325	Splice Cores 576 Cores	Trays 8F	1 x oval port 16 x round port	Heat-Shrinkable Seal	Black



Heat-Shrinkable sealing structure.

High quality industrial plastic body material

1 oval hole and 16 round holes for cable entrance

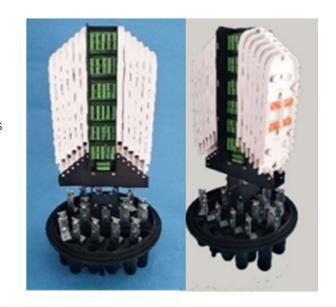
Suitable for cable diameter 5mm-30mm

Support aerial,underground,pipeline,man holes,hand holes

Protection level reaches IP68

360 degrees access, fiber bending > 40mm

Maximum capacity: 288fibers. Number of splice trays: 24 pcs x 12F Splitter: 4pcs of 1x16 PLC Splitter



## Configuration

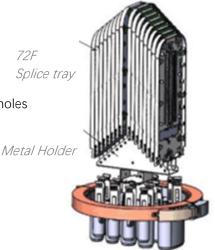
Material	Size	Max Capacity		Cable Entrance	Sealing Mechanism	Color
Modified PP	H*D (mm) 510*325	Splice Cores 288 Cores	Trays 24x12F	1 x oval port 16 x round port	Heat-Shrinkable Seal	Black

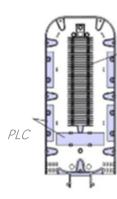
#### Fiber Optic Splice Closure VERTICAL TYPE:

Heat-Shrinkable sealing structure
High quality industrial plastic body material
1 oval hole and 16 round holes for cable entrance
Suitable for cable diameter 5mm-30mm
Support aerial,underground,pipeline,man holes,hand holes
Protection level reaches IP68

360 degrees access, fiber bending > 40mm

Maximum capacity: 1152 fibers. Number of splice trays: 16pcs x 72F





Splice groove

Material	Size	Max Cap	pacity	Cable Entrance	Sealing Mechanism	Color
Modified PP	H*D (mm) 510*325	Splice Cores 1152 Cores	Trays 16x72F	1 x oval port 16 x round port	Heat-Shrinkable Seal	Black