

FOSC-GPJ-N014



Description

Dome GPJ-N is a elliptical dome type. Hoop is used to fix and seal FOSC cover and base, and its installation is quite simple.

GPJ-N is provided with 6 fiber cable inlet/outlet ports, and sealing is achieved by tightening nut after inserting fiber cable.

The FOSC is suitable for protecting fiber cable splices in straight-through and branching applications. It can be placed in aerial, underground, wall-mounting, hand hole mounting and duct-mounting applications. Based on an advanced formula, the plastic parts are made of injection molded, high-strength engineering plastic PC by numerical control equipment, therefore effectively prevent products from aging caused by coldness, heat, oxygen and ultraviolet radiation. The strong housing and main components provide fire resistant, waterproof and quakeproof while protecting splices during pulling, torsioning and impacting. It ensures long term reliability and usage under ambient temperature from -40°C to $+65^{\circ}\text{C}$.



GPJ-N014 in full view

Feature

- ◆ Dome, vertical type
- ◆ 6 pcs inlet/outlet
- ◆ 168~320 cores total capacity
- ◆ Slide-in-lock design, over 90° opening angle tray
- ◆ Elastic integrated seal and hoop ensure tightening fit
- ◆ Housing provide fire resistant, waterproof, and quakeproof for splices while handling
- ◆ Operating Temperature: $-40\sim+65^{\circ}\text{C}$

Structure

All of the above features make it more easy and convenient for installation, maintenance and reuse.

If required, the earthing deriving device can be

Installed on the housing of FOSC for deriving metallic parts of fiber cable for earthing connection. Pressure testing valve can be installed as well for pressure testing and sealing testing after injecting air. GPJ-N consists of one set of elastic integrated seal fitting, our company patent product, which based on an advanced formula, is made of injection molded, high quality elastic sealing material by numerical control equipment. It is installed between FOSC housing and the hoop and nut. Under ambient temperature from -40°C to $+65^{\circ}\text{C}$, it

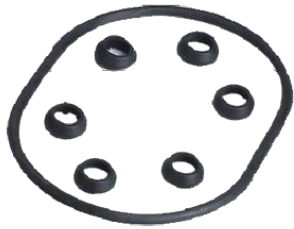


GPJ-N014 cutaway view

FOSC-GPJ-N014



can be shrinking and dilating to ensure long-term sealing performance of FOSC. It also ensures good re-sealing performance after reuse for many times. Elastic seal fitting is a new breed in China and advanced internationally.



GPJ-N014 seal fitting



GPJ-N014 hoop

Sealing is achieved by locking the hoop tightening nut, therefore easy for installation. The most strongpoint is that the hoop, nut and housing are made of injection molded, high strength engineering plastic PC by numerical control equipment, They, together with elastic seal fitting, can be shrinking and dilating at the same rate under violent changes of ambient temperature, therefore the closure ensures long term reliability and sealing performance.



tray 031

tray 014

tray 033

tray 015

tray031:(LxWxH:234mmx96mmx7.5mm)

tray033:(LxWxH:234mmx96mmx11mm)

tray014:(LxWxH:268mmx105mmx9.5mm)

tray015:(LxWxH:268mmx105mmx9.5mm)

◎ The capacity of bunchy FOST 031 is 12cores;

◎ The capacity of bunchy FOST 014 is from12 to 32 cores;

Quantity of bunchy FOSTs and heat shrinkable protective sleeves are to be determined according to the total capacity of the FOSC. (Note: each bunch fiber has one core after fusion splicing, which needs one piece of bunchy heat shrinkable protective sleeve)

◎ Ribbon FOST 033 can accommodate 6 pieces of ribbon heat shrinkable protective sleeves.

Ribbon FOST 015 can accommodate 8 pieces of ribbon heat shrinkable protective sleeves.

(Note: each ribbon fiber has multi-cores after fusion splicing)

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Type	Unit	Fiber Optic Splice Tray(FOST) (including heat shrinkable protective)	Total capacity(cores)
GPJ-N014 I (bunch)	Set	FOST with 12 cores (1-14 pieces of FOST 031)	168 cores
GPJ-N014 II (bunch)	Set	FOST with 12-32 cores (1-10 pieces of FOST 014)	120-320 cores
GPJ-N014 III(ribbon)	Set	FOST with 6 pieces of ribbon heat shrinkable protective sleeve (1-8 pieces of FOST 033)	576 cores
GPJ-N014 IV(ribbon)	Set	FOST with 8 pieces of ribbon heat shrinkable protective sleeve (1-10 pieces of FOST 015)	960 cores

General

- ◆ Dimension: 220(diameter)*490(H) mm
- ◆ Inlet & outlet: 6pcs

Application

- ◆ Installation: aerial, underground, wall, hand-hole and duct-mounting

Other information

1. GPJ-N is provided with 6 inlet/outlet ports, two among them suit for single fiber cables with max. diameter 21mm, remaining 4 ports are suit for single fiber cable with max. diameter 16mm. The inlet/outlet ports can be decided according to quantity and diameter of fiber cables to be actually installed, Then the corresponding port plugs should be taken out. Max. 6 pieces of fiber cable can be inserted.
2. GPJ-N can accommodate 1~8/1~10 ribbon FOSTs with 6 pieces or 8 pieces of ribbon heat shrinkable protective sleeve per tray. 4 core, 6 cores, 8 cores or 12 cores per ribbon heat shrinkable protective sleeve are available for customers' selection. The following can be configured according to capacity of FOSC and number of cores of each ribbon fiber of fiber cable to be actually installed.
 - ◎ model and quantity of ribbon FOST.
 - ◎ quantity and number of cores of ribbon heat shrinkable protective sleeve.

In this case, buffer tube is necessary to be ordered and can hold Max. 3 pieces of ribbon fibers.
3. The installation accessories provided with the FOSC: seal tape, 2 pieces of special wrenches, abrasive cloth, earthing wire, nylon tie, labeling paper, measuring paper and 1 set of metal hoop, desiccant. (please refer to the Installation Accessories).
4. Accessories for customer's selection: buffer tube for bunch fiber, buffer tube for ribbon fiber, earthing deriving device and pressure testing valve. (please refer to the Installation Accessories).