

DOME OPTIC SPLICE CLOSURE

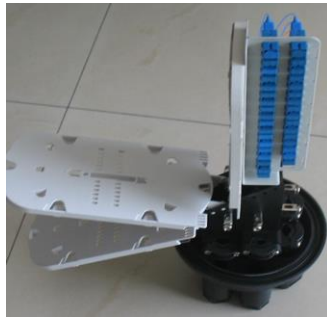
FIBER OPTIC SPIICE CLOSURE

GJS-JKDH1001-120

BOX DIMENSION: W=140mm H=340mm Weight = 1.80 kgs



Outer



Internal structure



Fuse fiber disc



Type sealing ring



Plastic hoop



base



Pole Mount



Pole Mount

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1. product introduction

GJS - JKDH1001 type cable connector box of cap type series of a. In the optical fiber transmission process, the products are through connection and differences in the function, and the male mention cable joint connection protection; Suitable for all kinds of different diameter of cable through and differences in; Can be used in overhead, hold pole, wall and buried installation; Product good seal performance, installation simple operation, wide range, it is the best choice of the optical fiber connection.

2. Product description

- IP protection level can reach IP68;
- Can be installed 1 x "PLC shunt and 2 x for PLC shunt;
- With four small round into the cable hole and a large oval into line hole;
- Joint box shell by vulcanized rubber for seal;
- Cable in and out of holes are hot shrinkage seal

3. Characteristics

- can be convenient to increase or decrease the size according to the capacity of the melt flange quantity
- three Settings prevent cable is external pulled off
- molten flange space is big, easy to maintain and storage of optical fiber
Can, in °C to + 65 °C temperature range to use
Easy to repeat, open, no tools are required, waterproof, prevent gas leakage, flame retardant
- set vertical and horizontal design characteristics
- SGS ROHS testing the authentication
- suitable for aerial, buried, pipe use

4. Product parameters

Item	Dimension (mm)	In/out ports	Max. cable diameter (mm)	Max. capacity per tray	Disc number	Max capacity(bunc hy fiber)	Seal method
GJS-JKDH1001	H=340 x140 mm	5	4 of Φ16	24cores	1—6	144cores	Heat-shrink seal

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5. Main components

no.	Name of components	quantity	usage	remarks
1	FOSC Cover	1 piece	Comprehensive protection joint	
2	Fuse fiber disc	According to the request	Fixed, save fiber and protect optical fiber hot melt pipe	
6	base	1 unit	Fixed inside and outside structure	
7	Plastic hoop	1 set	Fixed base and shell	
8	Type O sealing ring	1 set	Used to seal base and shell seal	

Optional accessories: valve, earthing device, optical splitter, adapter, pigtail, wire jumper

Accessories: specification, Cable protection heat shrinkable tube, fiber heat shrinkable, Buffer tube, earthing wire, nylon tie, sand paper, Differences card, labeling paper, desiccant, Tin foil, insulating tape.

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6. General :

6.1 This specification covers the requirements of water proof type, re-enterable optic fiber cable splice closure kits to be supplied to the Provincial Electricity Authority (PEA). The splice closures shall be installed in aerial.

6.2 The splice closure kits shall allow easy handling and installation. The closure shall be easy to re-enterable and require minimum of excess material when resealing

6.3 The splice closures shall be Universal (suit straight & branch configuration). The required branch configurations are specified in the technical requirements section.

6.4 The closures or family of closures shall be capable of accepting an industry-wide range of cable sizes and unit configurations with metallic & fiber glass strength member. This includes cable strength members that are external stranded. Corrugated laminates, or internal solid. A means shall be supplied for sealing the cable ends excluding a unit tube, to prevent moisture intrusion into optic splice area.

6.5 The closure shall be capable of accommodating splice organizers which accept all types of fiber optic splices (mechanical, fusion, or multi-fiber array). The splice closure shall have provisions, for storing fiber in an orderly and identifiable manner. Mountings for splice organizer assemblies, and space for excess fiber. Splice organizers shall be re-enterable.

6.6 The splice closure shall have provisions for controlling minimum fiber bend radius of 30 mm.

6.7 Closure does not require filling compound.

6.8 The organizer hardware shall be constructed of stainless steel or material that no Hydrogen-producing metallic corrosion can develop to cause fiber attenuation

6.9 The closure organizers shall accommodate at least 24 fiber and 48 fiber. The require fibers and the designation of outer diameter of cable for the proposed closure is specified in the technical requirements section.

6.10 Housing or Covers shall be fabricated from black high density thermoplastic, which resists to ultraviolet ray of sun for long life. Dimension of housing shall be less than (H)370mm x (L) 150 mm.

6.11 The closure shall be provided 1 (one) set of pole mounting which shall be suitable for stainless steel tape installed.

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7. Technical Specification

The factory testing method concerned in following item ;_

Test items	Conditions
7.1 Mechanical	
7.1.1 Compression	Test temperature : (-15 ± 2)°C and ($+40 \pm 2$)°C Test pressure : (40 ± 2) kPa regulated Load/Surface area : 1000 N / 25 cm ² Test duration : 10 minutes
7.1.2 Torsion	Test temperature : (-15 ± 2)°C and ($+40 \pm 0$)°C Test pressure : (40 ± 2) kPa regulated Torque : Max. 45 Nm or max. 90° rotation Torque application : 250 mm from end of cable seal sleeve No. of cycles : 5 per cable
7.1.3 Impact	Test temperature : (-5 ± 2)°C and ($+23 \pm 2$)°C Test pressure : (40 ± 2) kPa regulated Impact : 1 kg steel ball Drop height : 1 m No. of impacts : 1 at closure mid-point
7.1.4 Vertical Drop	Test temperature : (-18 ± 2)°C and ($+40 \pm 2$)°C Drop height : 75 cm.

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Test items	Conditions
7.2 Environmental Performance	
7.2.1 Head of Water	Depth : 5 m Test pressure : (40 ± 2) kPa regulated Test duration : 100 +/-1 hour.
7.2.2 Temperature Cycling in Air	Internal pressure : 60kPa ± 5kPa Test temperature range : (-20 ± 2)°C and (+60 ± 2)°C Dwell time : 2 hour Transition time : 1 hour Cycle duration : 8 hour Number of cycles : 3
7.2.3 UV Resistance	Test temperature impact : (-20 ± 2)°C Cycle UV : 4 hours at 60°C Darkness : 4 hours at 50°C Exposure time : 1000 hours
7.3 Chemical Resistance	
7.3.1 Alkaline Resistance or Corrosion Resistance	Test : Specimen shall be totally pH 12 Test medium : 10% IGEPAL. Test duration : 72 hours

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8. Technical Requirements

8.1 The specification of splice closure kit shall be accommodated as follows:

	Detail	PEA Material No.	
		2290350001	2290350002
8.1.1	Maximum numbers of cassettes	2	4
8.1.2	Maximum numbers of fibers	24	48
8.1.3	Numbers of cable entries/exits	4 or more	4 or more
8.1.4	Cable diameter (mm)	5.5 to 18	5.5 to 18
8.1.5	Re-entry kits requiring minimum numbers of heat shrink sleeve	2	2

8.2 The protection sleeves for the spliced fiber shall be equal to the maximum number of fibers as stated in 8.1.2.

9. Manual

The manual for installation of the closure shall be included at least one copy in Thai or English.

10. Packaging

9.1 Closure shall be permanently marked in English or Thai at regular intervals as follows (PEA Logo PEA).

9.2 Each kit shall be packed in a suitable box and labeled with the description and name of the supplier.