Fiber Optic Splice Closure

GPJ83 - 2

Overview

LongXing GPJ83-2 optical splice closures are used to distribute, splice, and store the outdoor optical cables which enter and exit from the ends of the closure. There are two connection ways: direct connection and splitting connection. They are applicable to situations such as overhead, man-well of pipeline, embedded situation etc. Comparing with terminal box, the closure requires much stricter requirement of seal. Sealing ring and air valve are required for closure, but that are not necessary for terminal box.

Features

- The closure casing is made of quality engineering plastics, and of good performance of anti-erosion against acid and alkali salt, anti-aging, as well as smooth appearance and reliable mechanical structure.
- The mechanical structure is reliable and has the performance of resisting wild environment and intensive climate changes and serious working environment. The protection grade reaches IP66.
- The closures are applicable to ribbon type optical cable and common optical cable.
- The splice trays inside the closure are turn-able like booklets, and have adequate curvature radius and space for winding optical fiber to make sure the curvature radius for optical winding 40mm.Each optical cable and fiber can be operated individually.
- The closure is of small volume, big capacity and convenient maintenance.
- The elastic rubber seal rings inside the closure are of good sealing and sweat-proof performance.
- The casing can be opened repeatedly without air leakage. No special tools are required. The operation is easy and simple. The air valve is provided for the closure and used to check the sealing performance.

Dimensions and Capability	
Dimensions (L*W*H)	480mm*170mm*155mm
Max Capacity	Bundle 144 Cores; Ribbon 480 Cores
Number of Cable Entrance/Exit	3 ; 3
Diameter of Cable	Less than Φ20mm

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Operation Conditions	
Temperature	-40℃~+60℃
Humidity	≤95% (at 40℃)
Air Pressure	70kPa ~106kPa

Shipping Information	
Package Contents	Closure, 1 unit; Installation accessories, 1 set
Package Dimensions(L*W*H)	505mm*180mm*200mm
Material	Carton box
Weight	3.5KG
Lead Time	10-15 working days normally

Technical Specifications

- Seal performance: after the box is sealed, inflate to 100kPa inwards (inflation only apply to the models with the air hole), and then soak it in the water of normal temperature, after 15 minutes of steady observation, there is no bubble to overflow.
- Insulation resistance: the insulation resistance between the metal work piece and the earth is greater than 20kMΩ.
- Pressurization: there is no breakdown or flashover under 15kVdc/1min between the metal work piece and the earth.
- The curvature radius of the fiber 40mm, without extra loss inside the splice tray.
- It can bear the axial tensile strength no less than 1000N.
- Lifetime: 25 years.
- Other performances are all in accordance with the requirement of standard YD/T814-1998.

Part Details

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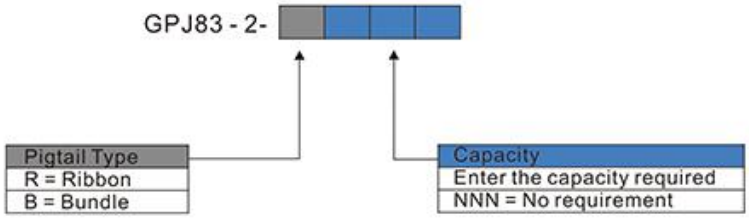
LONGXING
Structured Cabling Solutions

Catalog Number



Ordering Example:

GPJ83-2B144 : Bundle pigtail, 144 cores

Note : *If the required type of any item is not on the relevant list, please use "O" or "OO" as the red cells indicate, and kindly state the required type in the description of PO.

More relevant designs for your reference.

Model	Dimensions (L*W*H) mm	Capacity				Entries		Cable Diameter (mm)
		Bundle	E.W	Ribbon	E.W	Standard Entries	E.W	
GPJ83-1	420*145*145	96	N/A	320	N/A	2 in 2 out	N/A	≤ Φ20
GPJ83-2	480*170*155	144	N/A	480	N/A	3 in 3 out	N/A	≤ Φ20
GPJ83-3	480(L)*Φ150	72	N/A	320	N/A	2 in 2 out	N/A	≤ Φ20
GPJ83-4	660*220*178	192	N/A	480	N/A	3 in 3 out	N/A	≤ Φ20
GPJ83-5	650(L)*Φ235	192	144	560	480	3 in 3 out	1 in 1 out	≤ Φ20 (Φ23 for E.W)
GPJ83-6	500(L)*Φ171	144	N/A	480	N/A	3 in 3 out	N/A	≤ Φ20
GPJ83-7	450*200*125	96	N/A	320	N/A	2 in 2 out	N/A	≤ Φ20
GPJ83-8	392*152*54	24	N/A	144	N/A	2 in 2 out	N/A	≤ Φ20
GPJ83-9B	500(L)*Φ171	72	144	320	480	2 in 2 out	1 in 1 out	≤ Φ20 (Φ23 for E.W)
GPJ83-10	275(L)*Φ148	12	N/A	N/A	N/A	2 in 2 out	N/A	≤ Φ13.6
GPJ83-11	400*60*130	N/A	N/A	12	N/A	1 in 1 out	N/A+	≤ Φ6

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