



## DOME TYPE FIBER OPTIC CLOSURES

### Description

Pacific Interconnections' CLS-D96 dome type fiber splice closures are compliant with IEC 1073-1. The closures are made of tough anti-corrosive Polycarbonate that makes the closures ideal for aerial, cable duct, direct burial and well applications.

The closures employ gasket-sealing technology that enables ease of installation and re-entry requiring no special tools.

It can accommodate maximum 6 pieces of 12-fiber or 16-fiber splice trays. When 12-fiber splice trays are used, maximum capacity is 72. When 16-fiber splice trays are used, maximum capacity is 96. It holds cables up to diameter 21mm and provides 6 cable entry ports.



### Features

- Easy installation with no special tool required
- Reliable and re-usable gasket sealing
- High compressive strength
- Chemical resistant
- High voltage resistant
- Suitable for ribbon and non-ribbon fibers
- Can hold up to 96 fibers for single fiber splice or 576 fibers for ribbon fiber splice
- Flip-up style splice trays

### Applications

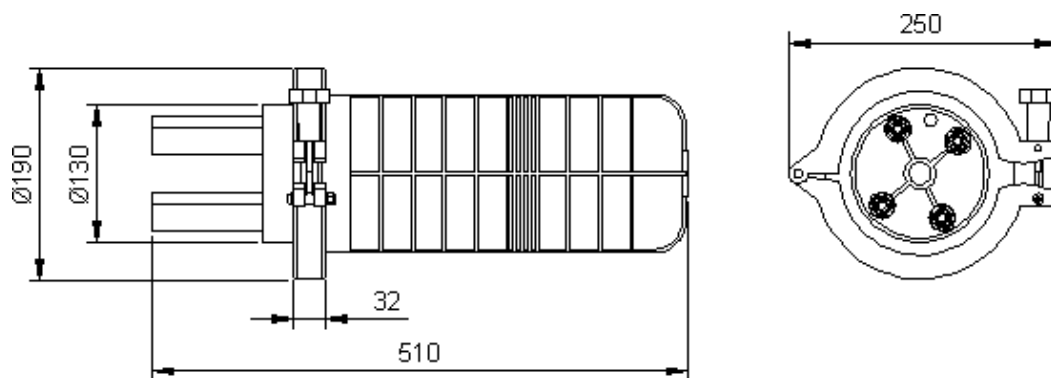
- Aerial
- Cable duct
- Direct burial
- Well

### Specifications

Characteristics	Value/Performance
<b>Basic</b>	
Dimension	Ø190x510mm <sup>3</sup>
Weight	4kg
Operating Temperature	-40 ~ +60°C
Fiber bend radius	30mm
Max. Capacity (single fiber splice)	96

Characteristics	Value/Performance	Methods and Conditions
<b>Mechanical</b>		
Air Tightness	No air bubble seen	Put closure under water for 15min with closure's internal air pressure set at 100kPa+5kPa.
	Remains 100kPa+5kPa	Measure the internal pressure 24 hours later
Air Tightness after re-installation	No air bubble seen and pressure remains unchanged	Do re-entry and re-installation 3 times and repeat above Air Tightness Tests.
Axial Pulling	Pressure remains unchanged	Pulling force: 1000N Time: 1min Internal air pressure: 60kPa+5kPa
Compression	Pressure remains unchanged	Applied pressure: 2000N/100mm Time: 1min Internal air pressure: 60kPa+5kPa
Impact	Pressure remains unchanged	Impact energy: 16N.m No. of impacts: 3 Internal air pressure: 60+5kPa
Bending	Pressure remains unchanged	Bending angle: $\pm 45^\circ$ (in two opposite directions) Tension: 150N No. of bending: 10 Internal air pressure: 60kPa+5kPa
Twisting	Pressure remains unchanged	Twisting angle: $\pm 90^\circ$ Torque: 50N No. of twisting: 10 Internal air pressure: 60kPa+5kPa
<b>Thermal</b>		
Temperature Cycling	Pressure drop $\leq 5$ kPa	Cycling range: $-40 \sim +60^\circ\text{C}$ Cycling time: 2hrs at $-40^\circ\text{C}$ , then 2hrs at $+60^\circ\text{C}$ No. of cycling: 3 Internal air pressure: 60kPa+5kPa
<b>Electrical</b>		
Insulation	Resistance between metal parts: $2.0 \times 10^5 \text{M}\Omega$	Soak closure into water in 1.5m-depth for 24hrs, and measure the insulation resistance after taking it out of water.
	Resistance between each metal part and ground: $2.0 \times 10^5 \text{M}\Omega$	
High Voltage	No voltage break-downs and sparks	Soak closure into water in 1.5m-depth for 24hrs, then apply 15kV DC to the metal parts inside

## Structural Drawing



## Ordering Information

Part Number: **CLS-D96/48**

**1** **2**

<b>1</b> Product Type	D96	Dome type closure with max. capacity of 96 fibers
	D96ST1	Splice tray, each tray can hold 12 splices
	D96ST2	Splice tray, each tray can hold 16 splices
	D96SG	Sealing gasket
<b>2</b> Fiber Count (single fiber)	96	96 fiber counts, 6pcs CLS-D96ST2 splice trays installed
	48	48 fiber counts, 4pcs CLS-D96ST1 splice trays installed
	36	36 fiber counts, 3pcs CLS-D96ST1 splice trays installed
	24	24 fiber counts, 2pcs CLS-D96ST1 splice trays installed
	12	12 fiber counts, 1pcs CLS-D96ST1 splice trays installed
	Blank	For splice tray and sealing gasket

Other accessories: splice protection sleeve can be ordered separately.

Products manufactured in  
ISO 9001 certified facilities



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