



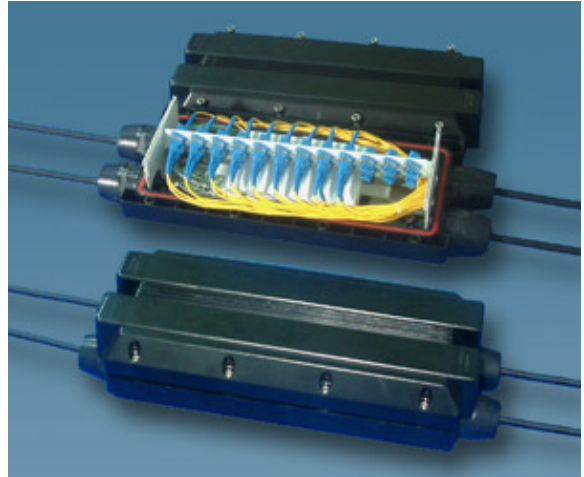
## FTTX IN-LINE CLOSURE

### Description

Pacific Interconnections' FTTX in-line closure is an environmentally sealed enclosure for fiber splice, splitting, distribution and cross-connect in outside plant network for FTTX and broadband applications. It complies with IEC 1073-1. The closure is made of tough anti-corrosive Polycarbonate and is ideal for aerial, cable duct, direct burial, and well environment.

The closure has 4 cable entry ports. The entries can be increased up to 12 when optional multi-hole grommets are equipped. Its unique design of adjustable port size allows quick cable installation. It

accommodates up to 6 splice trays. When adapter panel and splitter mount are equipped, it supports 24 adapters and 2 splitters for fiber optic service drops in FTTX deployment.



### Features

- Supports adapter bulkheads and splitters
- Reliable and re-usable sealing gasket
- Re-enterable with no re-entry kit needed
- No special tool required for installation

### Applications

- Suitable for ribbon and non-ribbon fibers
- Aerial, duct, direct burial, and well
- FTTX, access networks and broadband

### Specifications

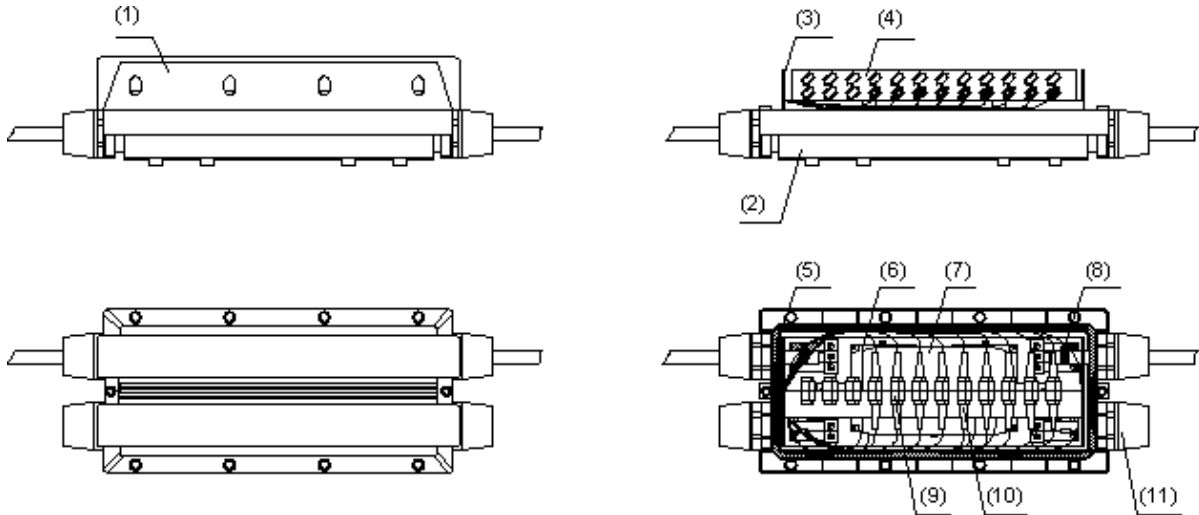
Characteristics		Value/Performance
<b>Basic</b>		
No. of Cable Entries	Basic	4
	Maximum	12 (3-hole grommet used)
Max. Cable Diameter allowed		25mm
Max. No. of Splice Trays	Adapter panel loaded	2
	Adapter panel unloaded	6
Max. Capacity without adapters*1		72 (single-fiber splice)
Max. No. of adapters		24
Max. No. of splitters (for 1x8)		2
Dimension		490x200x140mm <sup>3</sup>
Weight		5kg
Operating Temperature		-40 ~ +60°C
Fiber Bend Radius		30mm

\*1 Capacity is for 12-fiber splice trays, doubled if 24-fiber splice trays are used.

## Specifications

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 $\pm$ 5kPa.
	Remains 100kPa $\pm$ 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 $\pm$ 5kPa
Compression	Pressure remains unchanged	Applied pressure: 2000N/100mm Time: 1min Internal air pressure: 60kPa $\pm$ 5kPa
Impact	Pressure remains unchanged	Impact energy: 16N.m No. of impacts: 3 Internal air pressure: 60 $\pm$ 5kPa
Bending	Pressure remains unchanged	Bending angle: $\pm$ 45°(in two opposite directions) Tension: 150N No. of bending: 10 Internal air pressure: 60kPa $\pm$ 5kPa
Twisting	Pressure remains unchanged	Twisting angle: $\pm$ 90° Torque: 50N No. of twisting: 10 Internal air pressure: 60kPa $\pm$ 5kPa
<b>Thermal</b>		
Temperature Cycling	Pressure drop $\leq$ 5kPa	Cycling range: -40 ~ +60°C Cycling time: 2hrs at -40°C, then 2hrs at +60°C No. of cycling: 3 Internal air pressure: 60kPa $\pm$ 5kPa
<b>Electrical</b>		
Insulation	Resistance between metal parts: 2.0x10 <sup>5</sup> 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: 2.0x10 <sup>5</sup> 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



Above splice closure includes a (1)closure cover (2)closure body, (3) internal frame, (4)adapter panel, (5)silicon rubber gasket, (6)splitter, (7)splice tray, (8)cable clamp, (9)adapter, (10)connector, and (11)cable port.

## Ordering Information

Part Number: **CLS-IF2X72/24 SC R 24**

**1 2 3 4 5**

<b>1</b> Product Type	72	Closure with max. 6 splice trays
	72ST1	12-fiber splice tray for CLS-IF2X72
	72ST2	24-fiber splice tray for CLS-IF2X72
	72SG	Sealing gasket for CLS-IF2X72
<b>2</b> Fiber Count *2 (single fiber)	72	72 fiber counts, 6pcs 12-fiber splice trays installed
	24	24 fiber counts, 2pcs 12-fiber splice trays installed
	12	12 fiber counts, 1pc 12-fiber splice trays installed
	Blank	For splice tray and sealing gasket
<b>3</b> Adapter Type	SC	SC/PC simplex
	SA	SC/APC simplex
	LC	LC/PC simplex
	LC2	LC/PC duplex
	Blank	Adapter mount unloaded, and for closure accessories
<b>4</b> Adapter Grade	R	Single mode (SM)
	K	Multimode (MM)
	Blank	For splice tray and sealing gasket
<b>5</b> Number of Adapters	24	24 adapters loaded
	Blank	No adapters loaded

\*2 24-fiber splice trays can be provided on request with half quantity of 12-fiber splice trays.

Products manufactured in  
ISO 9001 certified facilities



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