



FTTX DOME CLOSURE

Description

Pacific Interconnections' FTTX dome 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.

It accommodates up to 20 splice trays. Its adapter mount can equip 24 SC, FC or LC adapters. It also supports 2 splitters for fiber optic service drops in FTTX deployment. Air valve is available as an optional accessory.



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
- High compressive strength

Applications

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

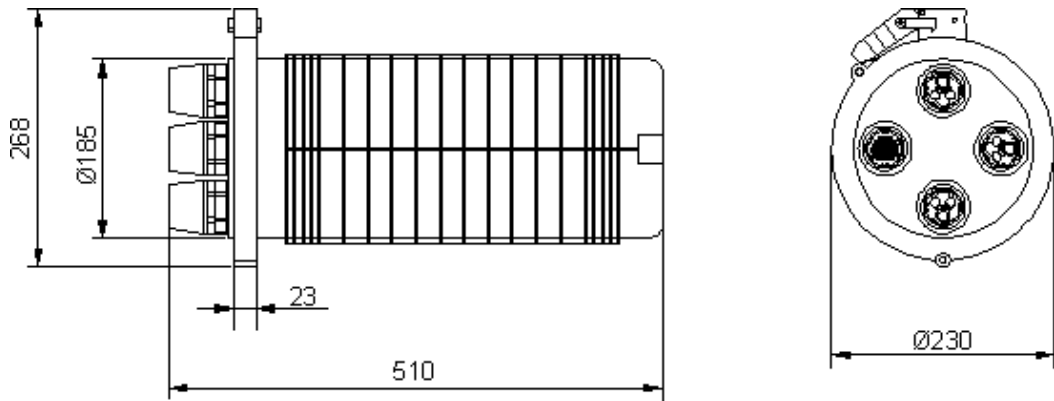
Specifications

Characteristics		Value/Performance
Basic		
No. of Cable Entries	Basic	4
	Maximum	12 (3-hole grommet used)
Max. Cable Diameter allowed		25mm
Max. No. of Splice Trays		20
Max. Capacity without adapters		240 (single-fiber splice)
Max. No. of adapters		24
Type of adapters supported		SC, LC and FC
Max. No. of splitters (for 1x8)		2
Dimension		Ø230x510mm ³
Weight		5kg
Operating Temperature		-40 ~ +60°C
Fiber Bend Radius		30mm

Specifications

Characteristics	Value/Performance	Methods and Conditions
Mechanical		
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 $^{\circ}$ (in two opposite directions) Tension: 150N No. of bending: 10 Internal air pressure: 60kPa \pm 5kPa
Twisting	Pressure remains unchanged	Twisting angle: \pm 90 $^{\circ}$ Torque: 50N No. of twisting: 10 Internal air pressure: 60kPa \pm 5kPa
Thermal		
Temperature Cycling	Pressure drop \leq 5kPa	Cycling range: -40 ~ +60 $^{\circ}$ C Cycling time: 2hrs at -40 $^{\circ}$ C, then 2hrs at +60 $^{\circ}$ C No. of cycling: 3 Internal air pressure: 60kPa \pm 5kPa
Electrical		
Insulation	Resistance between metal parts: 2.0x10 ⁵ M Ω	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 ⁵ M Ω	
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-DF2X240/144SC R 24 V**

1 2 3 4 5 6

1 Product Type	240	Closure with max. 20 splice trays
	240ST1	12-fiber splice tray for CLS-DF2X240
	240SG	Sealing gasket for CLS-DF2X240
2 Fiber Count (single fiber)	240	240 fiber counts, 20pcs 12-fiber splice trays installed
	144	144 fiber counts, 12pcs 12-fiber splice trays installed
	96	96 fiber counts, 8pcs 12-fiber splice trays installed
	48	48 fiber counts, 4pcs 12-fiber splice trays installed
	Blank	For splice tray and sealing gasket
3 Adapter Type	SC	SC/PC simplex
	SC2	SC/PC duplex
	SA	SC/APC simplex
	SA2	SC/APC duplex
	LC	LC/PC simplex
	LC2	LC/PC duplex
	Blank	Adapter mount unloaded, and for closure accessories
	4 Adapter Grade	R
	K	Multimode (MM)
	Blank	For splice tray and sealing gasket
5 Number of Adapters	24	24 adapters loaded
	Blank	No adapters loaded
6 Accessories included	V	Air valve installed
	G	Grounding wire to outside installed
	VG	Both air valve and grounding wire to outside installed
	Blank	Air valve and grounding wire to outside are not included

Products manufactured in
ISO 9001 certified facilities



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