



FIBER DISTRIBUTION DOME CLOSURE

Description

Pacific Interconnections' fiber distribution dome closure is an environmentally sealed enclosure for fiber splice, splitting and distribution 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 5 cable entry ports. One of the ports has larger size and fits two cables. Each of other ports fits one cable only.

It accommodates up to 6 splice trays and supports fiber optic distribution drop splitting of up to 2 splitters in FTTX deployment. Air valve is available as an optional accessory.



Features

- Supports 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

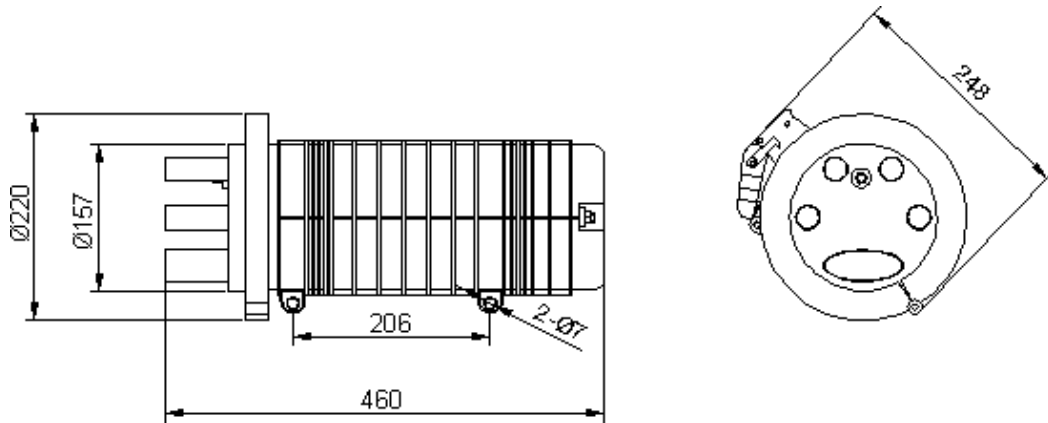
Characteristics	Value/Performance
Basic	
No. of Cable Entries	5
Max. Cable Diameter allowed	22mm
Max. No. of Splice Trays	6
Max. Capacity*1	144 (single-fiber splice)
Max. No. of splitters (for 1x8)	2
Dimension	Ø220x460mm ³
Weight	3.25kg
Operating Temperature	-40 ~ +60°C
Fiber Bend Radius	30mm

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

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°(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
Thermal		
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
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-DF2X144/72 V**

1 2 3

1 Product Type	144	Closure with max. 6 splice trays
	144ST1	12-fiber splice tray for CLS-DF2X144
	144ST2	24-fiber splice tray for CLS-DF2X144
	144SG	Sealing gasket for CLS-DF2X144
2 Fiber Count* ² (single fiber)	144	144 fiber counts, 6pcs 24-fiber splice trays installed
	96	96 fiber counts, 4pcs 24-fiber splice trays installed
	72	72 fiber counts, 3pcs 24-fiber splice trays installed
	24	24 fiber counts, 1pc 24-fiber splice trays installed
	Blank	For splice tray and sealing gasket
3 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

*² 12-fiber splice trays can be provided on request.

Products manufactured in
ISO 9001 certified facilities



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