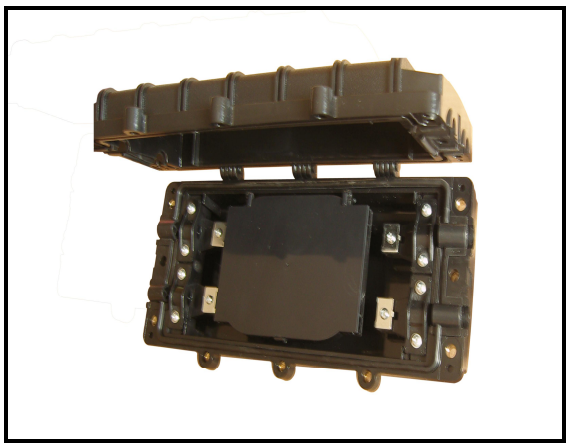
MANCH.FO.24 : IN-LINE TYPE FIBER OPTIC CLOSURES

Description:



TELESYSTEM's in-line fiber splice closures are compliant with IEC 1073-1 and YD/T814.1. The closures are made of tough anti-corrosive Polycarbonate that makes the closures ideal for aerial, cable duct, direct burial and well applications.

The **MANCH.FO.24** have 4 cable entry ports. The MANCH.FO.24 can accommodate up to 4 24-fiber splice trays.

The closures employ gasket-sealing technology that enables ease of installation and re-entry requiring no special tools. Air valve is also available as an optional accessory for direct burial applications.

Features:

- Reliable gasket sealing
- Easy installation with no special tool required
- Re-enterable with no re-entry kit needed
- High compressive strength

Applications:

- Suitable for ribbon and bunchy fibers
- Aerial
- Cable duct
- Direct burial
- Well

Specifications:

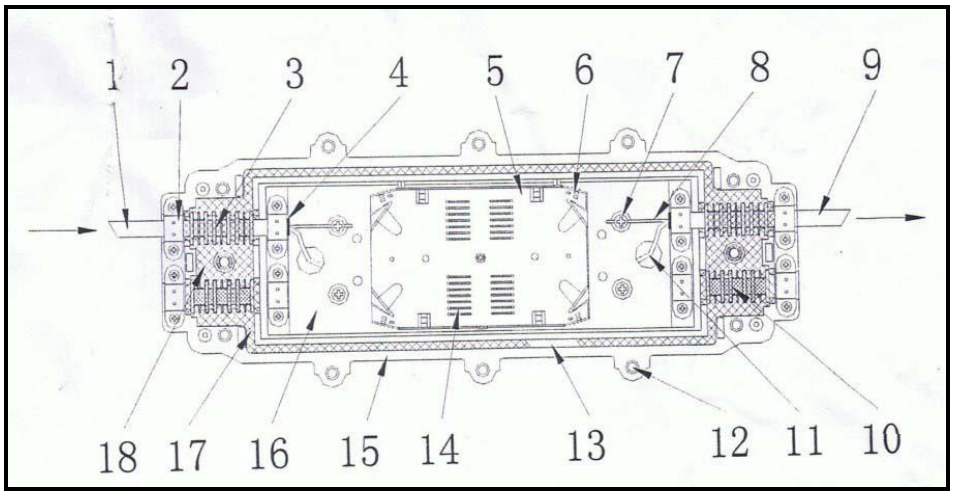
Characteristics	Value/Performance
Type	MANCH.FO.24
Basic	
No. of Cable Port	4
Max. Cable Diameter allowed	22mm
Dimension	340*160*70MM
Weight	3Kg
Operating Temperature	-40 ~ +60°C
Fiber Bend Radius	30mm
Max. No. of Splice Trays	4
Max. Capacity (single fiber splice)[*1]	96

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±5kPa.
	Remains100kPa±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±45°(in two opposite directions) Tension: 150N No. of bending: 10 Internal air pressure: 60kPa±5kPa
Twisting	Pressure remains unchanged	Twisting angle: ±90° Torque: 50N No. of twisting: 10 Internal air pressure: 60kPa±5kPa
Thermal		
Temperature Cycling	Pressure drop ≤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±5kPa

Electrical		
Insulation	Resistance between metal parts:2.0x10^5MΩ	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:2.0x10^5MΩ	
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:



Part List:

（1） Inlet cable	(10) Plug
(2) Cable clamp	(11) Grounding wire
(3) Gasket tape	(12) Stainless steel screw
(4) Insulation tape	(13) Seal groove
(5) Splice tray	(14) Splice protection sleeve Holder
(6) Cable tie	(15) Closure body
(7) Cable strengthening member connect	(16) Body frame (PC)
(8) Cable strengthening member	(17) Gasket
(9) Outlet cable	(18) Sealed Area