

# 16 CASSETTES FIBER OPTIC CABLE JOINT BOX



## Overview

The 2500402 fiber optic cable splice box can be used for direct, termination, or branch splicing of optical cables. The sealed box body provides waterproof protection without the need for resin filling. Paired with dedicated accessories, it can be used for direct burial, pipeline, manhole, overhead, pole box base installation; And it can quickly inflate and seal after completing the connection

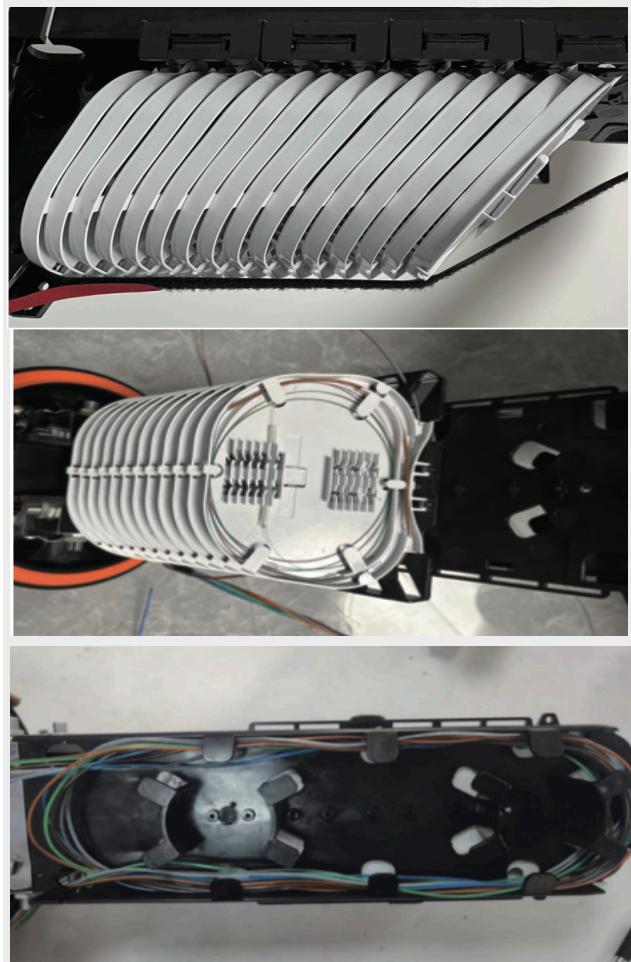
## Approved Institution



## Applications

- Telecommunication Network
- Ftth, Ftx, Gpon
- CATV-Cable Television
- Wall-Mounted, Pole-Mounted, Aerial Application

## Product Images



**Technical Specification**

Parameters	
Size	500x300mm
Cable ports (inlet/outlet)	6 in/1 out
Max Capacity of Fiber	384 Fibers
Cable diameter (mm)	N:8-43 OUT: 6- 29
IP Rating	IP68
Splice tray capacity	24 (single core)
Splice tray	16
Max splitting	none
Temperature Range	- 40°C ~ + 80°C
Gross weight	5,2 kg
Sealing Method For Inlets	Heat shrinkable
Material	PP+GF
Sealing of Inlet/Outlet ports	Mechanical seal
Packing Info	Carton packing: 4 sets/carton Carton size: 67*64*53cm Weight: 20.8kg/carton

## Our Approved Tests

Test Name	Conditions	Test Method	Result
Visual Inspection	Overall visual control	IEC 60512-2-1a	No visible corrosion, cracks, or leaks.
Integrity Test	Length: 5 m, Bending: 20 times, Diameter: at least 15.5 cm along the length	IEC 60068-2-6	Will not leak during normal operations.
Impact Test	Temperature: 40-25°C, Humidity: 60%	IEC 61300-3-2	Will not break, withstands impacts well.
Bending Test	Bending Angle: 90 degrees, Radius: 40 cm	IEC 61300-2-37	Cable remains operational, no breaks.
Torsion Test	Angle of Torsion: 90 degrees, Times: 10 times	IEC 60068-2-1	Cable remains intact and operational.
Compression Test	Force: 15 kg (3 min. + 4 sec.), Distance: 10 cm	IEC 60512-5	Will not be permanently deformed.
Pull Test	Force: 2 tons, Duration: 2 min.	None specified	Will not snap, durable under tension.
UV Resistance	Temperature: 55°C to 50°C, Exposure: UV (Simulated Sunlight) 10%	IEC 61300-2-20	Degradation less than 20% after exposure.
Static Load Test	Weight: 100 kg, Duration: 10 min.	IEC 60512-5	No deformation or breaking under weight.
Chemical Resistance Test	Temperature: 23°C, Chemicals: NaOH, HCl, Gasoline	IEC 61300-3-24	Resists common industrial chemicals.