Technical Specification
Fiber Optic Cable Distribution Box

HTTB-Y24

Customer Approval			
	Name	**Signature**	**Date**
Approved by			

Contents

1. General

1.1 Description

The equipment is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

Production type	Classification
HTTB-Y24	Fiber optic cable distribution box

Appearance of HTTB-Y24

1.2 Standards Comply

The product is designed, manufactured and tested according to the standards as follows:

ITU L.13	Performance requirements for passive optical nodes: Sealed closures for outdoor environments

1.3 Applications Environment

Item	Value
Operation temperature	-40 ºC ~ +65 ºC
Installation temperature	-15 ºC ~ +40 ºC
Storage temperature	-45 ºC ~ +75 ºC

2. Characteristics

Outdoor use

Designed for Wall and Pole mount applications

Safety lock

Available for SC adapters (up to 24pcs of SC SX or LC DX adaptor)

Bend radius protection

Door with secure mechanism

Can accommodate 1 x 8, 1 x 16 or 1 x 32 PLC Splitter

Up to 24 drop cables

Whole front operation

Reusable

Sheath retention & central strength member termination system included

ROHS compliance

3. Specifications

3.1 Mechanical specifications

Item	Specifications	Note
Material of housing	High-strength PC+ABS	
Material of internal components	High-strength ABS	
Material of metal accessory	High-quality stainless steel	
External dimension(mm)	307*245*81	
Color	Gray, black, white	
Number of distribution cable ports	3	
Number of drop cable ports	24	
3 Main Cable Ports	3 ports for cable max dia 14mm	
Fiber cable dimension of drop port(mm)	2x3	
Capacity(Max)	96 Splices	
Max quantity splitter	1x8, 1x16,1x32 PLC splitter	
simplex adaptors	24	

Max Φ14mm

2x3mm

3.2 Optical specifications

Item	Test Method	Specification	Note
Insertion loss(dB)	IEC61300-3-4-Method B	Mean≤0.1dB，Maximum≤0.3dB	
Return loss(dB)	IEC61300-3-6-Method 1	APC≥60dB，UPC≥50dB	
Random connection	IEC61300-3-4	Mean≤0.15dB，Maximum≤0.3dB	
Splitter		Refer to insert type splitter technical specification	

4. Configuration

4.1 Optical splice trays

No	Model	Pic	Capacity	Note
1	T007A		24F(2 layer)	
2	T007B		12F(2 layers)+1 PLC splitters+1 simplex adaptors	
3	T007C		12F(2 layers)+2 PLC splitters	
4	T007D		12F(2 layers)+1 PLC splitters	
5	T007G			
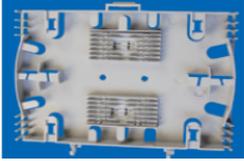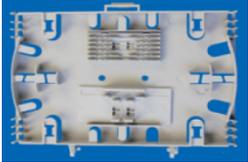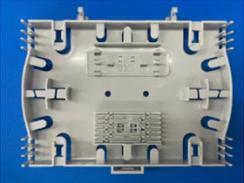
			12F(2 layers)+2 PLC splitters	
6	T007H		12F(2 layers)+1 PLC splitters	
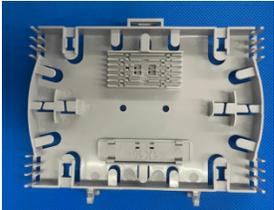
4.2 Accessory section

No.	Name	Reference picture	Quantity	Remark
1	Heat-shrinkable protection sleeve		1 bag	L=60mm
2	Nylon cable tie		12 pcs	L=120mm
3	Buffer tube for bunchy fiber		1 roll	OD=4.5mm, L=50 cm
4	Installation tape		1 roll	
5	Cable guard coil		6 pcs	
6	Installation manual		1pc	English
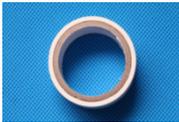
4.3 Optional Accessories

No.	Name	Model	Reference picture	Quantity	Remark
1	Pole-mounting kit	BZ10		1 set	
2	Wall-mounting kit			1 set	

5. Product Picture

HTTB-Y24 product picture

6. Package

    Standard   Double corrugated carton, 530*335*575 mm, 10 in carton, about 14.5 Kg.