Technical Specification
Fiber Optic Cable Distribution Box

HTTB-X31

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-X31	Fiber optic cable distribution box

Appearance of HTTB-X31

1.2 Standards Comply

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

ITU-T 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

Accommodate 1x4-1x8PLC Splitter;

Up to 12 FTTH Drops;

3 inlet ports, 12 outlet ports.

Grounding device included.

Accommodate SC /LC Adaptor

It is applicable for wall-mounted,indoor or outdoor

Max capacity(F):12.

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)	235*200*91	
Color	Gray, black, white	
Number of distribution cable ports	3	
Number of drop cable ports	12	
3 Main Cable Ports	cables max diameter 16mm	
Fiber cable dimension of drop port(mm)	φ3	
Capacity(Max)	16 Splices	
Max quantity splitter	1x4, 1x8 PLC splitter	
IP grade	IP54	
simplex adaptors	12	

Max φ16mm

Φ3mm

3.2 Optical specifications

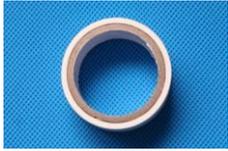| Item	Test Method	Specification	Note
Insertion loss(dB)	IEC61300-3-4-Method B	Mean≤0.1dB，Maximum≤0.3dB	
Return loss(dB)	IEC61300-3-6-Method 1	APC≥60dB，UPC≥50dB	
Random connection	IEC61300-3-4	Mean≤0.15dB，Maximum≤0.3dB	
Splitter		Refer to insert type splitter technical specification	
Repeatability	IEC 61300-2-2 500 cycles	During the test the difference between the initial measurement and each of the measurements after one cycle must be less than 0.20 dB, and should be cleaned otherwise, with a limit of 25 cleanings	

4. Configuration

4.1 Optical splice trays

No	Model	Pic	Capacity	Note
1	T043A		16F(2 layer)	

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	The tail fiber sleeve		12 set	
5	Installation tape		1 roll	
6	Cable guard coil		3 pcs	
7	Installation manual		1pc	English

4.3 Optional Accessories

No.	Name	Model	Reference picture	Quantity	Remark
1	Pole-mounting kit	BZ13		1 set	
2	Wall-mounting kit			1 set	

5. Product Picture

HTTB-X31 product picture

6. Package

Standard　　　　　　　　Double corrugated carton, 600*360*480 mm, 12 in carton, about 15 Kg.