

# Technical Specification

## Fiber Optic Cable Distribution Box

### HTTPB-X30B

Customer Approval			
	Name	Signature	Date
Approved by			

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**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-X30B	Fiber optic cable distribution box



Appearance of HTTB-X30B

**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
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**1.3 Applications Environment**

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

## 2. Characteristics

Total enclosed structure.

Material: PC+ABS, wet-proof, water-proof, dust-proof, anti-aging, protection level up to IP65.

Cable, pigtails, patch cords are running through own path without disturbing each other, easy maintenance.

Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor uses.

## 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)	233*204*60	
Color	Gray, black, white	
Number of distribution cable ports	2	
Number of drop cable ports	12	
3 Main Cable Ports	cables max diameter 12mm	
Fiber cable dimension of drop port(mm)	$\phi 3$	
Capacity(Max)	16 Splices	
Max quantity splitter	1x4, 1x8 PLC splitter	
IP grade	IP65	
simplex adaptors	12	

### 3.2 Optical specifications





Item	Test Method	Specification	Note
Insertion loss(dB)	IEC61300-3-4-Method B	Mean $\leq$ 0.1dB · Maximum $\leq$ 0.3dB	
Return loss(dB)	IEC61300-3-6-Method 1	APC $\geq$ 60dB · UPC $\geq$ 50dB	
Random connection	IEC61300-3-4	Mean $\leq$ 0.15dB · Maximum $\leq$ 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


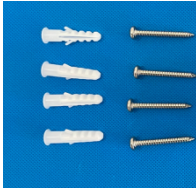
No	Model	Pic	Capacity	Note
1	T043A		16F(2 layer)	

## 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		2 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-X30B product picture

6. Package

Standard

Double corrugated carton, 520\*490\*480 mm, 20 in carton, about 18 Kg.