Technical Specification
Fiber Optic Cable Distribution Box

HTTB-Y04

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-Y04	Fiber optic cable distribution box

Appearance of HTTB-Y04

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

Compact design (210 x 174 x 74mm)

Free breathing box for indoor use

In-line and butt configuration possible for main cable

Wrap around cable seals for main cable and drops

Not required to cut loop-through fibers from riser cable

Compatible with mechanical splice, and heat shrink protective sleeve

Transient free customer provisioning

Drop cables are terminated individually

Separate storage of un-connected fibers from spliced drop fibers

Possibility to integrate PON splitters

Main cable up to 11.5 mm diameter, Drop cable up to 3 mm diameter

Easy drop cable termination on strain relief device

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)	210*174*74	
Color	Gray, black, white	
Number of distribution cable ports	3	
Number of drop cable ports	4	
3 Main Cable Ports	for cables up to 11.5 mm diameter	
Fiber cable dimension of drop port(mm)	Φ3	
Capacity(Max)	12 Splices	
Max quantity splitter	1x4 、1x8 PLC splitter	
simplex adaptors	4	
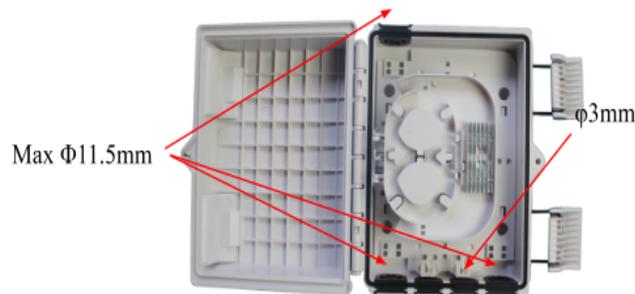
3.2 Optical specifications

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	T044A		12F(2 layer)+1PLC splitters	

4.2 Accessory section

No.	Name	Reference picture	Quantity	Remark
1	Heat-shrinkable protection sleeve		1 bag	L=45mm
2	Nylon cable tie		12 pcs	L=120mm
3	Installation tape		1 roll	black
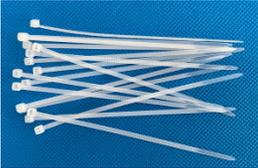
4	Buffer tube for bunchy fiber		1 roll	OD=4.5mm, L=100cm
5	Sponge article		2 pc	
6	Installation manual		1pc	English

4.3 Optional Accessories

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

5. Product Picture

HTTB-Y04 product picture

6. Package

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