

Technical Specification  
**Fiber Optic Cable Distribution Box**

**FTTH-508**

<b>Customer Approval</b>			
	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Approved by</b>			

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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
FTTH-508	Fiber optic cable distribution box



Appearance of FTTH-508

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

Very compact enclosure with dimension (WxHxD): 85mm x108.5mm x 27mm for integration into small sized floor boxes

Window cuts as small as 50mm possible with specific cable constructions such as the Mini-breakout cable

Free breathing enclosure for indoor use

Front accessible

Wrap around riser cable installation

Not required to cut loop-through fibers from riser cable

Compatible with mechanical splice, heat shrink protectors in the same splice holder

Drop cable diameter up to 5mm

Main cable diameter up to 10,5mm

## 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)	85*108.5*27	
Color	Gray, black, white	
Number of distribution cable ports	3	
Number of drop cable ports	4	
3 Main Cable Ports	3 cable ports, each port for 1 cable with max $\varnothing$ 10mm.	
Capacity(Max)	4 Splices	

### 3.2 Optical specifications

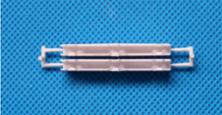
Item	Test Method	Specification	Note
Insertion loss(dB)	IEC61300-3-4-Method B	Mean $\leq$ 0.1dB · Maximum $\leq$ 0.3dB	
Return loss(dB)	IEC61300-3-6-Method 1	APC $\geq$ 60dB · UPC $\geq$ 50dB	
Random connection	IEC61300-3-4	Mean $\leq$ 0.15dB · Maximum $\leq$ 0.3dB	
Splitter		Refer to insert type splitter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

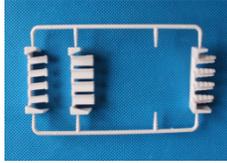
**4. Configuration**

## 4.1 Optical splice trays

No	Model	Pic	Capacity	Note
1	T079A		4F(2 layer)	

## 4.2 Accessory section

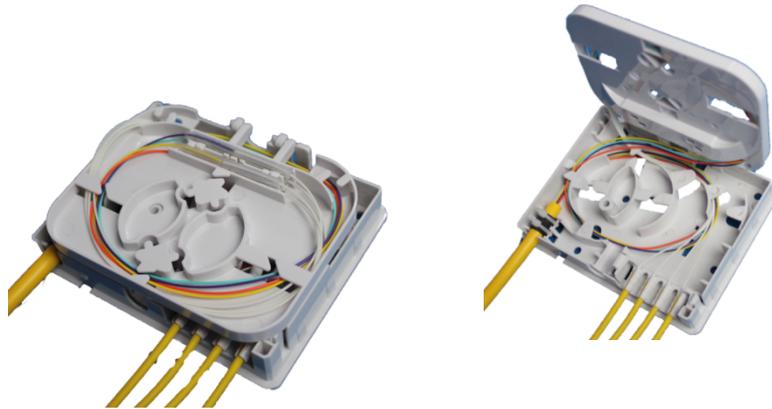
No.	Name	Reference picture	Quantity	Remark
1	Heat-shrinkable protection sleeve		1 bag	L=45mm
2	Nylon cable tie		6 pcs	L=120mm
3	Fiber optic cable plug		3pc	
4	Sponge article		1pc	
5	Slot of the optical fiber protection pipe		1pc	

6	Installation manual		1pc	English
7	Tail fiber sleeve		1pc	

4.3 Optional Accessories

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

5. Product Picture



FTTH-508 product picture

6. Package

Standard

Double corrugated carton, 510\*350\*335 mm, 100 in carton, about 12.5Kg.