Technical Specification

Fiber Optic Access Terminal Panel

FAB-HGT-8DY & -1 & -2

Contents

1.General..... 2

1.1 Description..... 2

1.2 Standards Comply..... 2

1.3 Applications Environment..... 2

2.Characteristics..... 3

3.Specifications..... 3

3.1 Mechanical specifications..... 3

4.Configuration..... 4

4.1 Main optical parameters..... 4

5.Product Picture..... 5

6.Environmental characteristics..... 7

7.Installation:..... 7

1.Wall-mounted installation..... 7

2.Pole-mounted installation..... 8

8.Connector operation..... 8

8.1 Pre-connected adapter - A（E）..... 8

8.2 Pre-connected adapter - B（XL）..... 9

8.3 Pre-connected adapter - C..... 9

8.4 Pre-connected adapter - D..... 10

8.5 Pre-connected adapter - E (A)..... 10

8.6 Pre-connected adapter - SC..... 10

9.Package..... 11

1. General

1.1 Description

Pre-connectorized optical distribution box as the most advanced FTTX network distribution node equipment, provide quick and reliable connection, good protection and management for the FTTX network.

Production type	Classification
FAB-HGT-8DY＆-1＆-2	Outdoor pre connected optical cable terminal box

FAB-HGT-8DY

FAB-HGT-8DY-1

FAB-HGT-8DY-2

1.2 Standards Comply

manufactured and tested according to the standards as follows:

IEC61300-2	Fiber optic interconnecting devices and passive components - Basic test and measurement procedures
IEC60068-2	Basic environmental testing procedures for electric and electronic products

1.3 Applications Environment

Item	Value
Operation temperature	-40 ºC～+65 ºC
Installation temperature	-5 ºC～+40 ºC
Storage temperature	-40ºC～+65 ºC
Atmospheric pressure	70～106Kpa
Relative humidity	≤93％(+40℃)

2. Characteristics

2.1.The bottom shell and the upper cover are fixed with screws,removable. 2.2.

Material: PP.

2.3. Moisture proof, waterproof, dust-proof, anti-aging.

2.4. Protection level up to IP68.

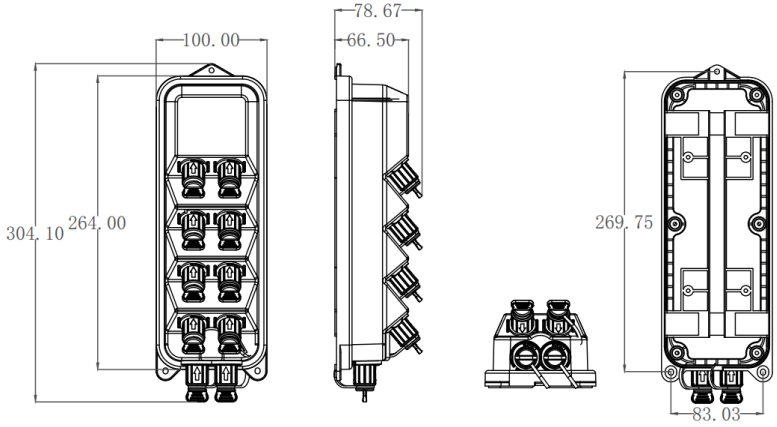
2.5. The interior is equipped with 1x2 FTB splitter+ 1x8 PLC splitter or 1x8 PLC splitter.....

2.6. Installation method: pole-mounted, aerial-mounted, wall-mounted.

3. Specifications

3.1 Mechanical specifications

Item	Specifications	Remark
Material of housing	Modified PP plastic	
Material of internal components	PC+ABS/ABS	
Material of metal accessory	High-quality stainless steel	
External dimension(mm)	264*100*66.5mm	
Color	Black	
Installation hole position(mm)	270*83	
Number of Pre-connectorized adaptors	10	FAB-HGT-8DY(1 red,1blue,1green,7 black)
	9	FAB-HGT-8DY(1 red,8 black)
	8	FAB-HGT-8DY-1(8 black)
	8	FAB-HGT-8DY-2(8 black)
Splitter	1x2 FTB splitter+ 1x8 PLC splitter	FAB-HGT-8DY
	1x8 PLC splitter	FAB-HGT-8DY
		FAB-HGT-8DY-1
		FAB-HGT-8DY-2
IP grade	IP68	
Flammability	UL94-HB	Default
Neutral salt spray test (NSS)	48h	



4. Configuration

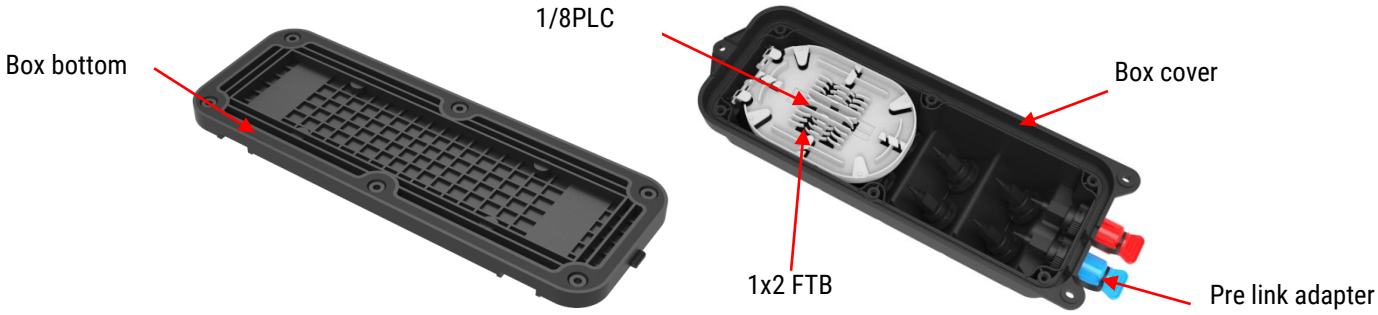
4.1 Main optical parameters

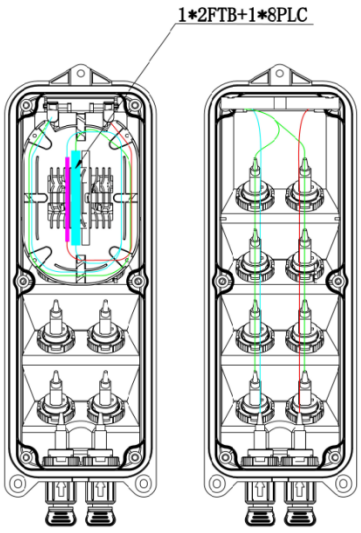
Splitter	IL(dB)		RL(dB)	IL(dB)	Test method
	Splitter			Distribution box	
Pigtail-SC/APC-00-SM-SX(1C1F)-OD0.9MM-PVC-G657A2-Cable Color(Defaults)-Indoor-RoHS-1.5m	Pigtail	≤0.3	≥55dB	≤0.5	IL: IEC61300-3-4 Method B RL: IEC61300-3-6 Method 1
1x2 PLC Splitter, with SCAPC connector	1* 2 PLC	≤4.0	≥55dB	≤4.2	
1x4 PLC Splitter, with SCAPC connector	1* 4 PLC	≤7.4	≥55dB	≤7.6	
1x 8 PLC Splitter, with SCAPC connector	1* 8 PLC	≤10.5	≥55dB	≤10.7	
1x2 FTB(90/10) + 1x 8 PLC Splitter , with SCAPC connector	1x2 FTB(90%)	≤0.83	≥55	≤1.03	
	1x2 FTB (10%) +1x8 PLC	≤21.7	≥55	≤21.9	
1x2 FTB(80/20) + 1x 8 PLC Splitter , with SCAPC connector	1x2 FTB(80%)	≤1.4	≥55	≤1.6	
	1x2 FTB(20%) +1x8 PLC	≤18.3	≥55	≤18.5	
1x2 FTB(70/30) + 1x 8 PLC	1x2 FTB(70%)	≤2.1	≥55	≤2.3	

Splitter , with SCAPC connector	1x2 FTB(30%) +1x8 PLC	≤16.5	≥55	≤16.7	
1x2 FTB(60/40) + 1x 8 PLC Splitter , with SCAPC connector	1x2 FTB(60%)	≤2.8	≥55	≤3.0	
	1x2 FTB(40%) +1x8 PLC	≤15.2	≥55	≤15.4	
1x2 FTB(50/50) + 1x 8 PLC Splitter , with SCAPC connector	1x2 FTB(50%)	≤3.8	≥55	≤4.0	
	1x2 FTB (50%) +1x8 PLC	≤14.3	≥55	≤14.5	

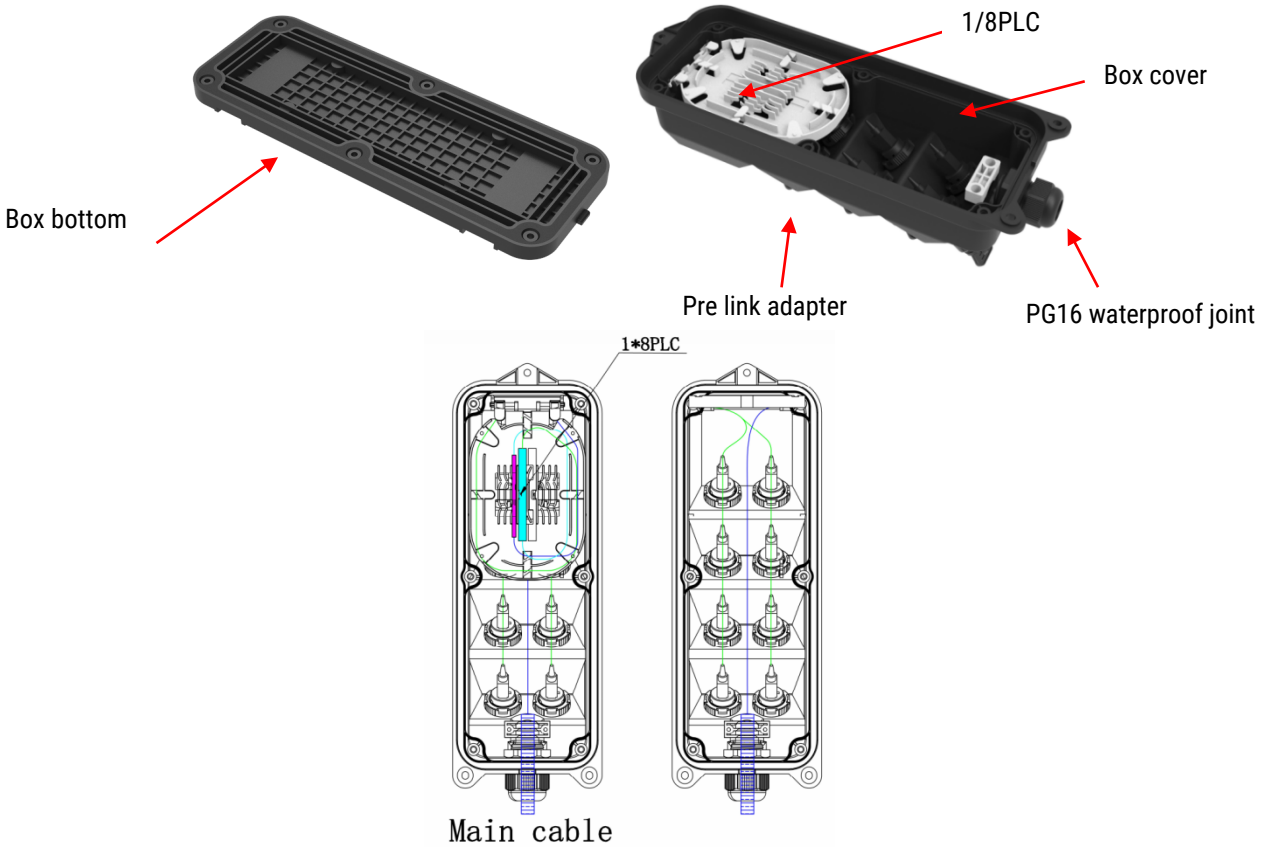
The optical parameters shown in the table above are default values, and can be customized according to requirements.

5.Product Picture

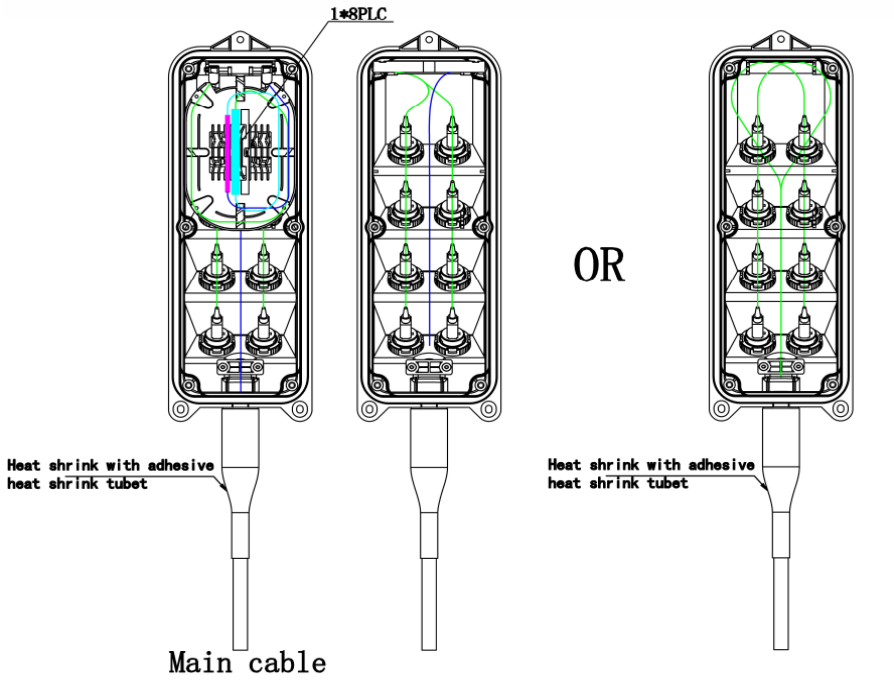




FAB-HGT-8DY product picture



FAB-HGT-8DY-1 product picture



FAB-HGT-8DY-2 product picture

6.Environmental characteristics

This product complies with the RoHS environmental protection directive, and the content of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) (PBB) and polybrominated diphenyl ether (PBDE) does not exceed the limit.

7. Installation:

1. Wall-mounted installation

Drill 3 holes into the wall based on the size in table 1, place the expansion bolt Φ8*40, place the box to match up the holes and use bolt to fasten.

Wall mounted installation

Drill 4 holes on the wall according to the size of back plate wall hanging holes and place expansion bolts Φ 8 * 40, place the box to match the hole and fasten it with bolts。

Wall mounted installation

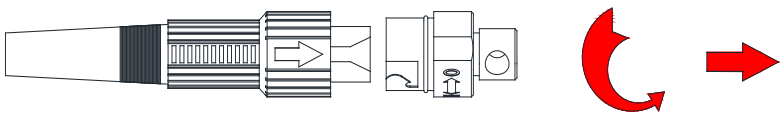
2. Pole-mounted installation

Fix 1 set of the pole ring to the telecom pole

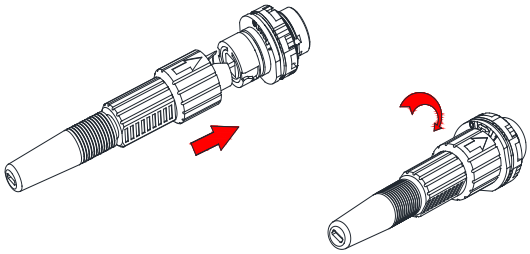
Pole mounted installation

8. Connector operation

8.1 Pre-connected adapter - A（E）



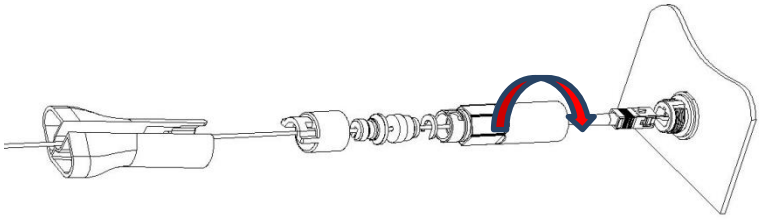
Rotate the arrow part of fiber connector counterclockwise and take out the dust cap.



The arrow part of fiber connector is above, insert fiber connector into the socket and then rotate the arrow part clockwise.

8.2 Pre-connected adapter - B（XL）

- Insert the SC optical fiber connector plug through the loose parts in turn, and then plug it into the adapter;
- Install XL pre connected adapter sheath on adapter with plastic key;
- Insert the plug of the snap spring into the sheath;
- The cable clamp shall be installed and the line shall be close to the plug;
- Screw the leather cable clamp seat cap on the sheath clockwise.



8.3 Pre-connected adapter - C

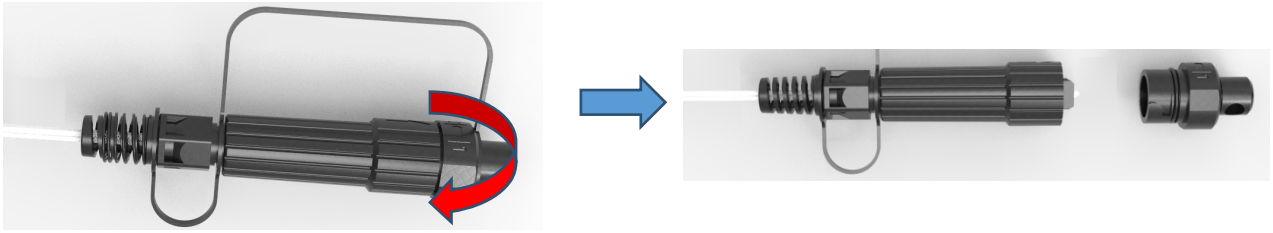
- Push the sliding ring on the optical fiber preformed plug in the direction of the arrow to remove the dust cap; press the button to take out the dust cap on the adapter in the direction of the arrow.

- Align the body of the preformed plug with the adapter buckle until it is fastened. Connect the two dust covers in the same way.

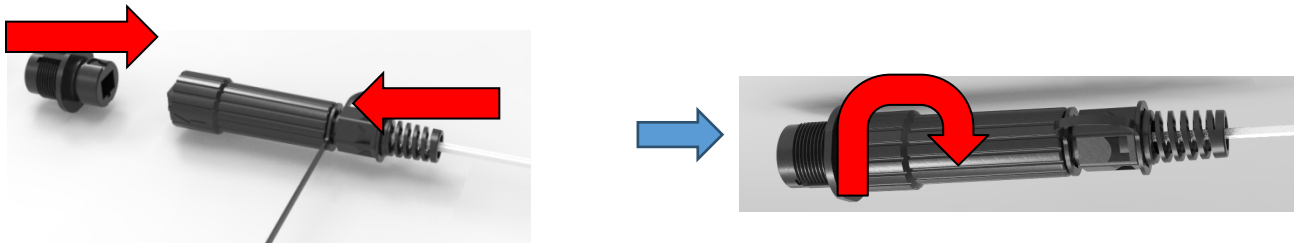
- The installed prefabricated plug pushes the sliding ring to release the buckle, and then pull the main body backward to separate it.

8.4 Pre-connected adapter - D

- Turn the pre connected plug anti clockwise and open the pre connected plug and dust cover in the direction of the arrow.

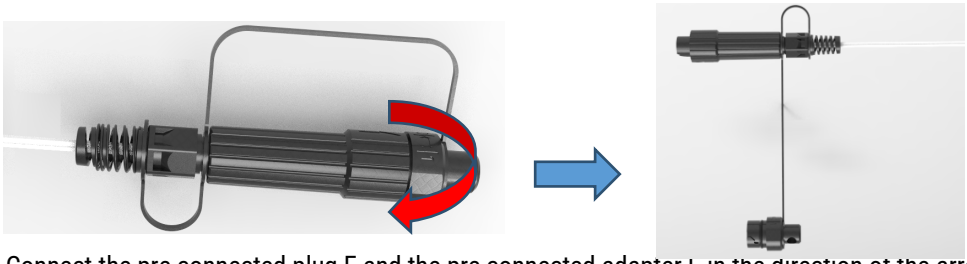


- Connect the pre connected plug D and the pre connected adapter D in the direction of the arrow, and rotate the plug clockwise to fix it.

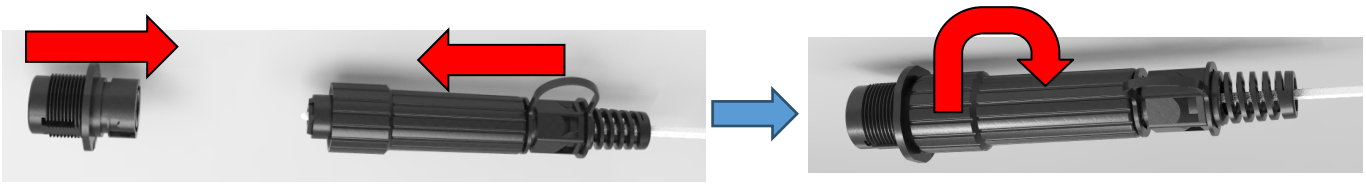


8.5 Pre-connected adapter - E (A)

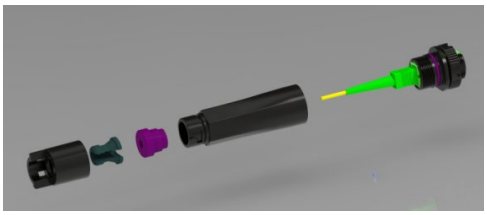
- Turn the pre connected plug anti clockwise and open the pre connected plug and dust cover in the direction of the arrow.



- Connect the pre connected plug E and the pre connected adapter E in the direction of the arrow, and rotate the plug clockwise to fix it.



8.6 Pre-connected adapter - SC



- Insert the SC optical fiber connector plug through the loose parts in turn, and then plug it into the adapter;
- Install XL pre connected adapter sheath on adapter with plastic key;
- Insert the plug of the snap spring into the sheath;
- The cable clamp shall be installed and the line shall be close to the plug;
- Screw the leather cable clamp seat cap on the sheath clockwise.

9.Package

1PC in a bubble bag， 340*200mm ；
1PC in a small carton， 310*105*85mm, gross weight is 0.8kg ；
20PCS in a big corrugated carton， 440*330*460 mm, gross weight is 17kg.