NK-1612-12   Optical fiber cable distribution box

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
NK-1612-12	Optical fiber cable distribution box

Appearance of SSP-1612-12   **Appearance of SSP-1612-12-1**

1.2 Standards Comply

ITU-T G.652	Characteristics of a single-mode optical fiber
IEC 60794-1-1	Optical fiber cables-part 1-1: Generic specification-General
IEC 60794-1-2	Optical fiber cables-part 1-2: Generic specification-Basic optical cable test procedure

1.3 Applications Environment

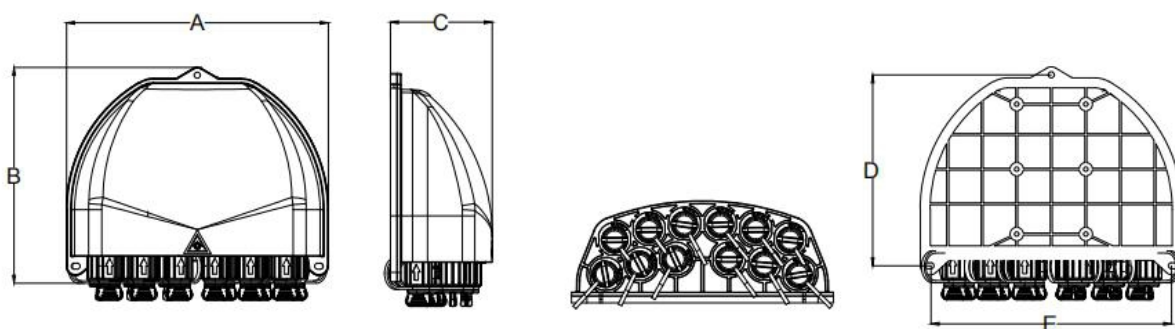| Item	Value
Operation temperature	-40 ºC～+65 ºC
Installation temperature	-5 ºC～+40 ºC
Storage temperature	-40ºC～+65 ºC
Atmospheric pressure	70～106Kpa
Relative humidity	≤93％(+40℃)

2. Characteristics

2.1. The bottom shell and upper cover are welded by hot plate welding, which is not detachable..

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 1x4 PLC splitter+ 1x8 PLC splitter or 1x8 PLC splitter.

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

2.7. It can be equipped with drop cable storage tray to meet the storage of 30 meters 5mm round cable.
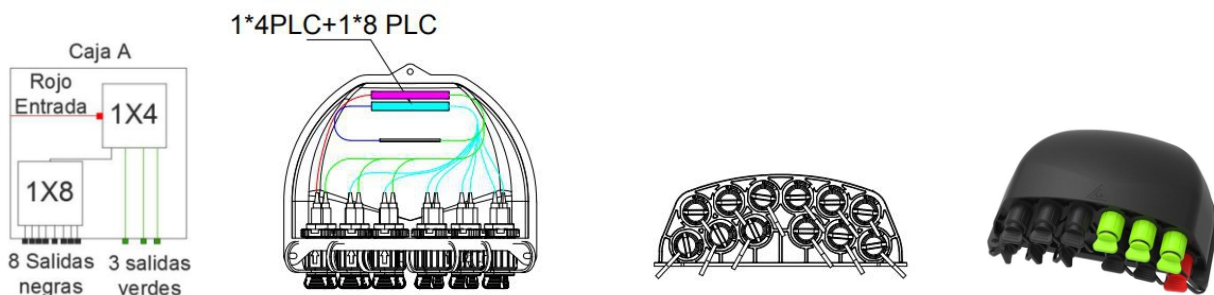
3. Specifications

Mechanical specifications

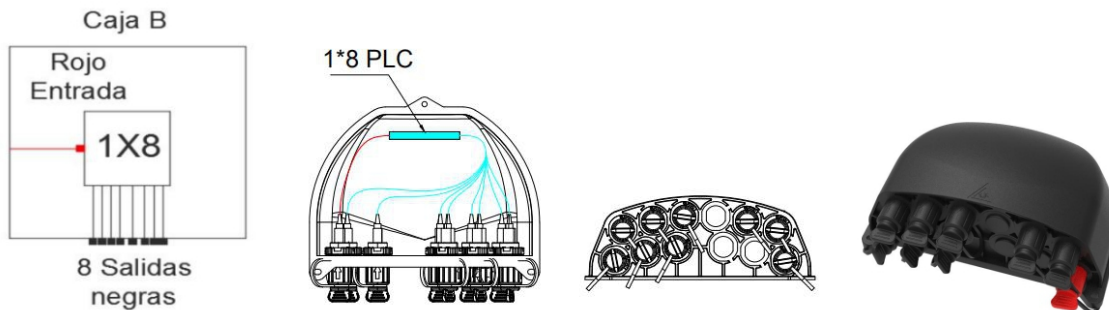| Item	Specifications	Remark
Material of housing	Modified **PP** plastic or **PC+ABS**	
Material of internal components	PC+ABS/ABS	
Material of metal accessory	High-quality stainless steel	
External dimension(mm)	197*162*77mm	A*B*C
Color	Black	
Installation hole position(mm)	143*181	D*E
Number of Pre-connectorized adapters	12	NK-1612-12(1red, 3green, 8black)
	9	NK-1612-121(1 red, 8 black)
Splitter	1x4 PLC splitter+ 1x8 PLC splitter	NK-1612-12
	1x8 PLC splitter	NK-1612-121
IP grade	IP68	
Flammability	UL94-HB	Default
Neutral salt spray test (NSS)	48h	

4.Product Picture

4.1 Product cable ways:

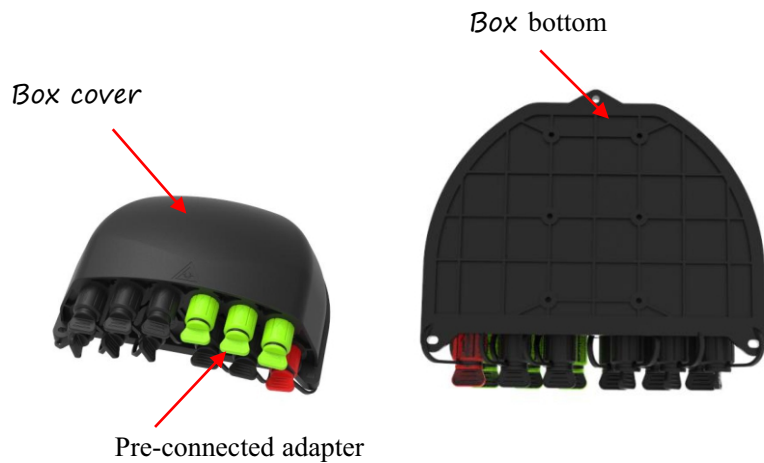
NK-1612-12 (1 * 4 FTB + 1 * 8 PLC Splitter Cable Ways)

NK-1612-12-1(1 * 8 PLC Splitter Cable Ways)

4.2 Configuration

4.2.1 Main parts

No.	Part name	Unit	Quantity	Remark
1	Box bottom	pcs	1	
2	Box cover	pcs	1	
3	Pre-connected adapter	pcs	12	NK-1612-12
4		pcs	9	NK-1612-12-1
5	Splitter1X4 PLC	pcs	1	Only installed in NK-1612-12
6	Splitter1x8 PLC	pcs	1	

Box cover

Box bottom

Pre-connected adapter

Structure

4.2.2 Accessories

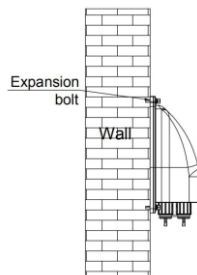| No.	Part name	Reference picture	Unit	Quantity	Remark
1	Users' manual	/	pcs	1	EN
2	Splitter test report	/	pcs	1	EN
3	Wall-mounted kit		set	1	Optional as customer's request
4	Pole-mounted kit		set	1	Optional as customer's request
5	Aerial-mounted kit		set	1	Optional as customer's request
6	Drop cable storage tray		set	1	Optional as customer's request

5.Environmental characteristics

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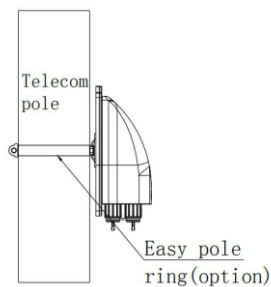
6. Installation:

6.1. Wall-mounted installation

Drill 3 holes in the wall according to the dimension, place the expansion plug Φ7.5*40, place the box to match up the holes and use screws to fasten.

Wall mounted installation

6.2. Pole-mounted installation

Pass the hoop ring through the slot of the back plate and fix it on the telecommunication pole
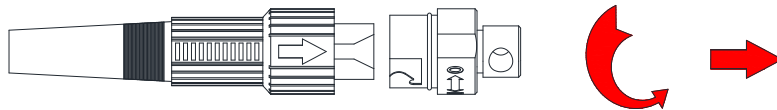

Pole mounted installation

6.3. Wall-mounted installation (With drop cable storage tray)

Drill 4 holes in the wall according to the dimension of the drop cable storage tray mounting hole, place the expansion plug Φ 7.5 * 40, place the box to match up the holes, and fasten with the screws.
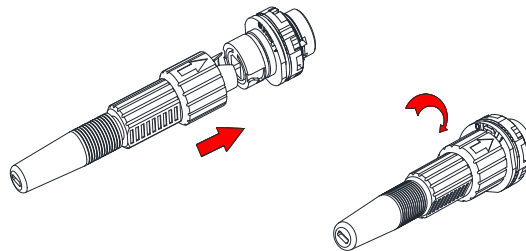
Wall-mounted installation (With drop cable storage tray)

7.Connector operation

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. Package

Item	Material	Size(mm)	Quantity	Gross weight(kg)
Individual product packaging	Carton	210*170*85	1	0.8
Outer packaging carton	Carton	440*360*460	40	33
Note: Without drop cable storage tray				