DATASHEET

Fiber Terminal Box

For FTTH, PON system
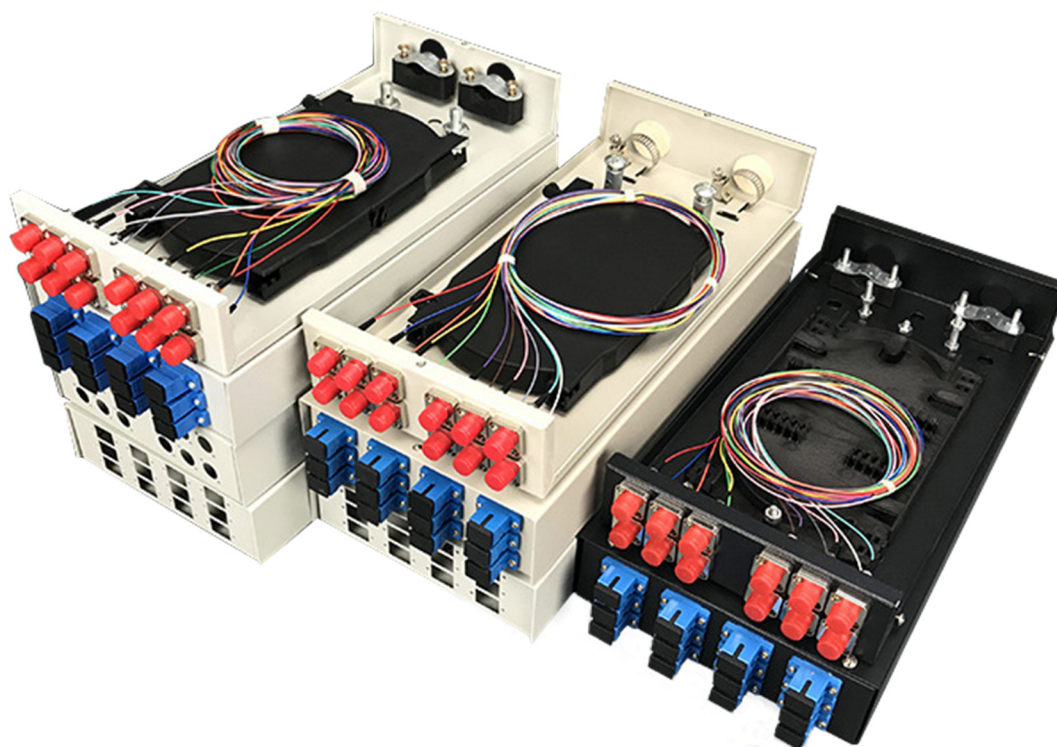
RoHS

OMC INDUSTRY CO.LIMTED

![OMC FTTH logo] **Fiber terminal Box**

Description

Fiber termination box (FTB), known as optical termination box (OTB) as well, is a compact fiber management product of small size. It is widely adopted in FTTx cabling for both fiber cabling and cable management. In some circumstances, fiber termination box can be regarded as the mini size of fiber optic patch panel and optical distribution frame (ODF).

Fiber termination box contains the shell, the internals (supporting frame, set fiber disc, fixing device) and optical fiber joint protective element. Prominent advantages of fiber termination box lie in efficient cable-fixing, welding and its protective role in machinery of the optical fiber.

A insulation is always demanded between cable metal components and cable terminal box shell in a fiber termination box, which provides space for cable terminal and remained fiber storage. In addition, fiber termination box also facilitate the installation of different occasions since it is easy to access, which turns out to be time and cost saving.
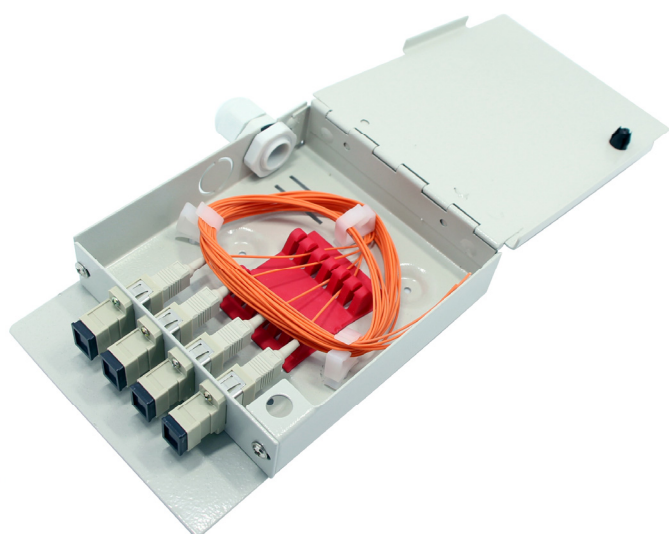
Fiber Termination Box Application

Fiber termination box is universally used in telephone, agricultural telephone network system, data and image transmission system, CATV cable television series, indoor cable through force access and branch connection. Fiber termination box is available for the distribution and termination connection for various kinds of fiber optic systems, especially suitable for mini-network terminal distribution, in which the optical cables, patch cores or pigtails are connected. In addition to that, fiber termination box can be applied to joint fiber pigtail, protect fiber optic splices and share out the connectivity to individual customers. It offer an ideal solution for building entrance terminals, telecommunication closets, main cross-connects, computer rooms and other controlled environments

OMC's FTB Family

OMC mainly offer The wall mount fiber termination boxes are designed for either pre-connectorized cables, field installation of connectors, or field splicing of pigtails.

Index

4 cores FTB—FTBM104A

The 4 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.

Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
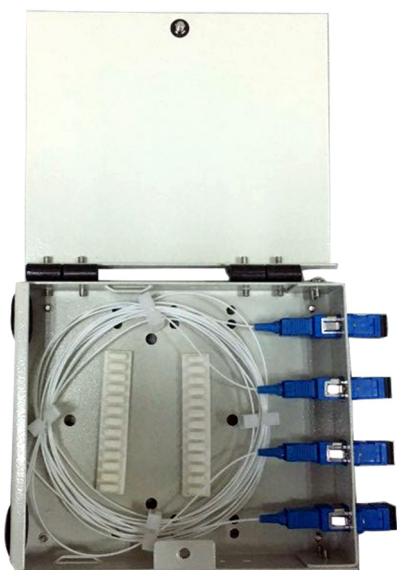- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM104A	140*105*28	5-10mm	1(2)	4	Cold rolled steel sheet, electrostatic spraying. Provide 4 adapters, available for FC, ST, SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

PG 10 Gland   Reserved Input port   Input cable tie groove   wall mount hole

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4 cores FTB—FTBM104B

The 4 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
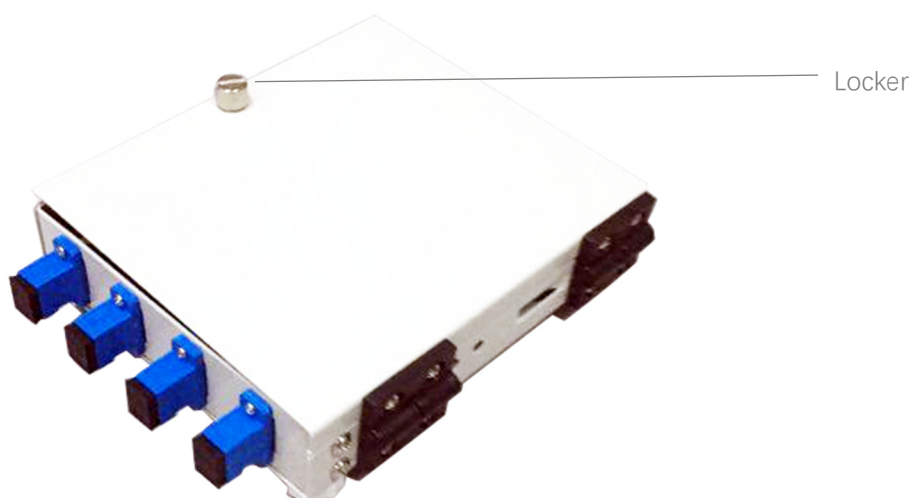
Features
- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
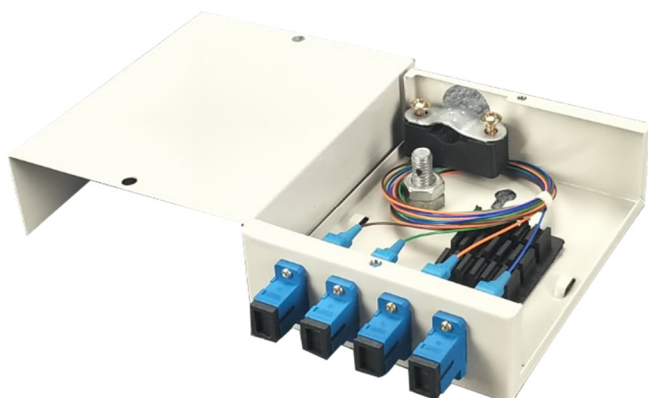- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension (mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM104B	115*135*41.5	5-10mm	1(2)	4	Cold rolled steel sheet, electrostatic spraying. Provide 4 adapters, available for FC, ST, SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

Locker

4 cores FTB—FTBM104C

The 4 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.

Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension (mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM104C	115*95*35	5-10mm	1	4	Cold rolled steel sheet, electrostatic spraying. Provide 4 adapters, available for SC and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

4 cores FTB—FTBM104D

The 4 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.

Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
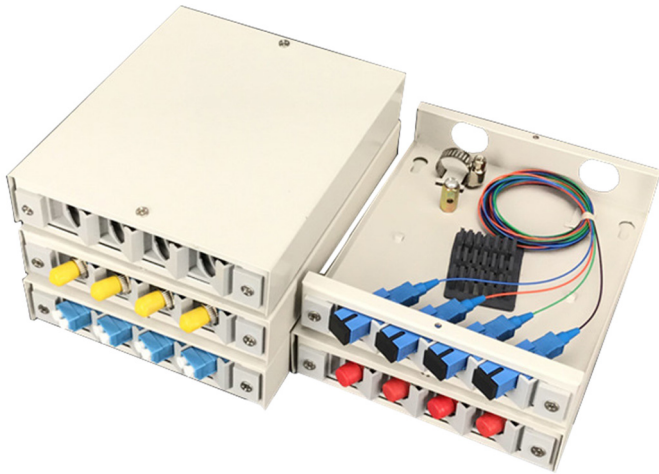- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension (mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM104D	115*95*35	5-10mm	1	4	Cold rolled steel sheet, electrostatic spraying. Provide 4 adapters, available for ST and FC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

4 cores FTB—FTBM204X

The 4 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.

Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension (mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM204X	155*130*30	5-10mm	1	4	Cold rolled steel sheet, electrostatic spraying. Provide 4 adapters, available for FC, ST, SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building
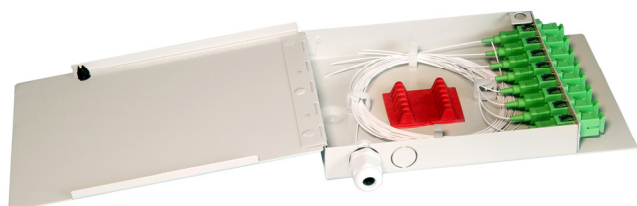
Full Loaded LC 8F

Full Loaded SC 4F

Full Loaded FC 4F

Full Loaded ST 4F

8cores FTB—FTBM108A

The 8 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.

Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM108A	200*148*30	5-10mm	1(2)	8	Cold rolled steel sheet, electrostatic spraying. Provide 8 adapters, available for FC, ST, SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

PG 10 Gland   Reserved Input port   Input cable tie groove   wall mount hole

The 8 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
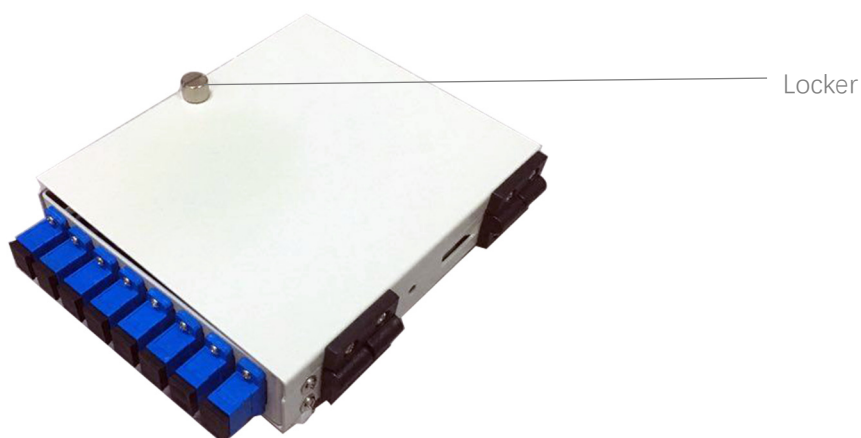
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
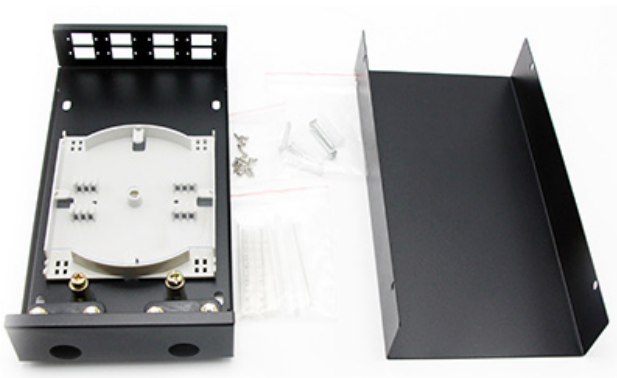- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM108B	115*135*41.5	5-10mm	2	8	Cold rolled steel sheet, electrostatic spraying. Provide 8 adapters, available for FC, ST, SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

Locker

The 8 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.

Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
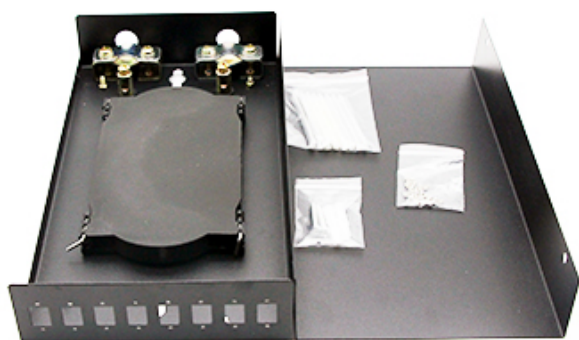- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM208A	220*110*40	5-10mm	2	8	Cold rolled steel sheet, electrostatic spraying. Provide 8adapters, available for FC, ST, SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

The 8cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.

Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM208B	260x140x40	5-10mm	2	8	Cold rolled steel sheet, electrostatic spraying. Provide 8adapters, available for FC, ST, SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
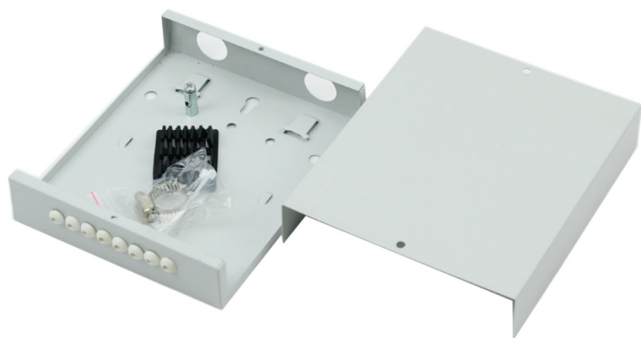Floor's fiber distribution in building

Full Loaded SC 8F

Full Loaded FC 8F

The 8cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
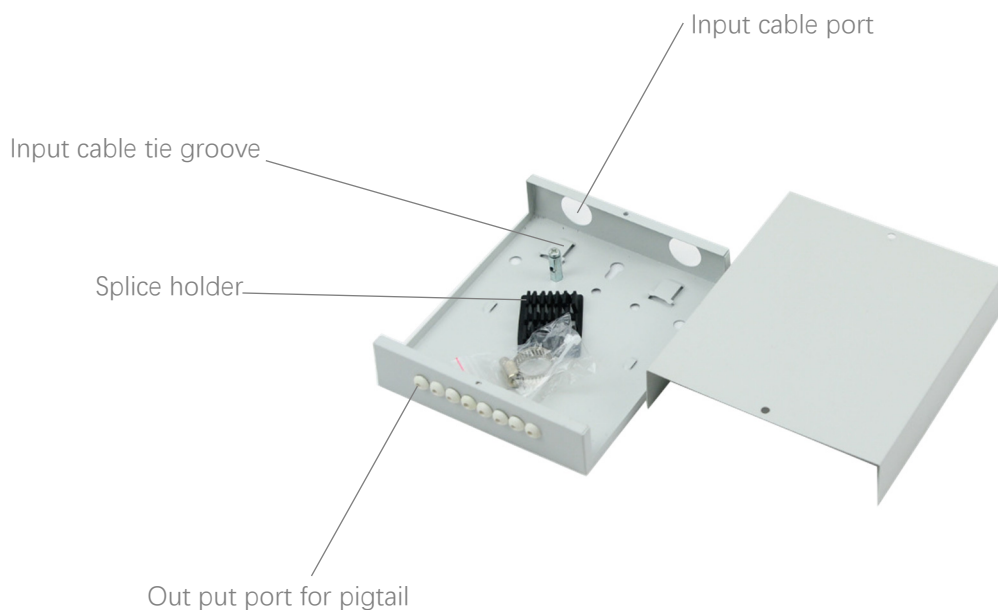
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
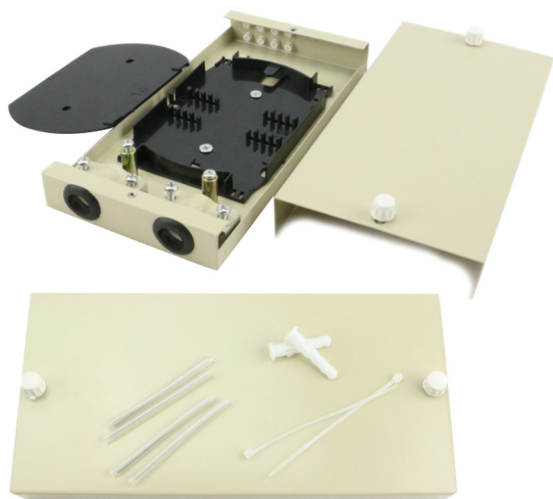- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM208C	155*130*30	5-10mm	2	8	Cold rolled steel sheet, electrostatic spraying. Provide 8x 2.0/3.0/2x3mm Cable distribution pigtail. Fit for wall mounting

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

Input cable port

Input cable tie groove

Splice holder

Out put port for pigtail

The 8cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
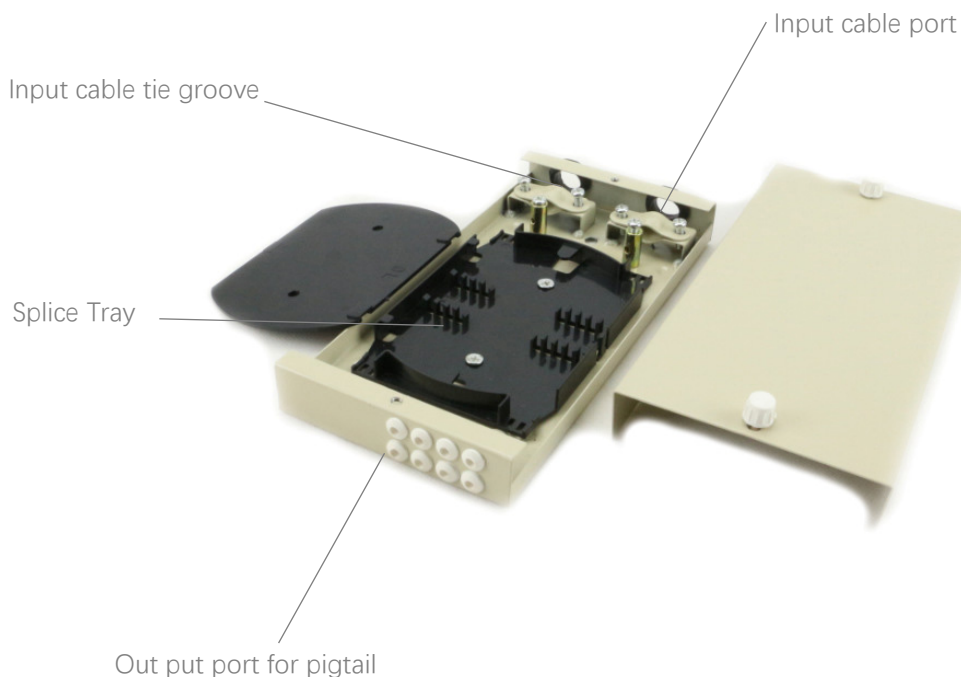
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
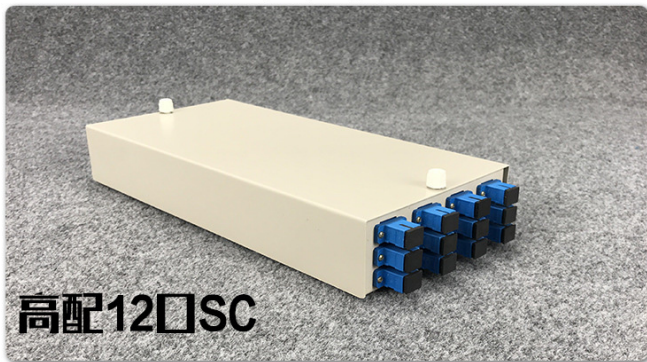- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM208D	200x100x25	5-10mm	2	8	Cold rolled steel sheet, electrostatic spraying. Provide 8x 2.0/3.0/2x3mm Cable distribution pigtail. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

Input cable port

Input cable tie groove

Splice Tray

Out put port for pigtail

12cores FTB—FTBM212A

The 12cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
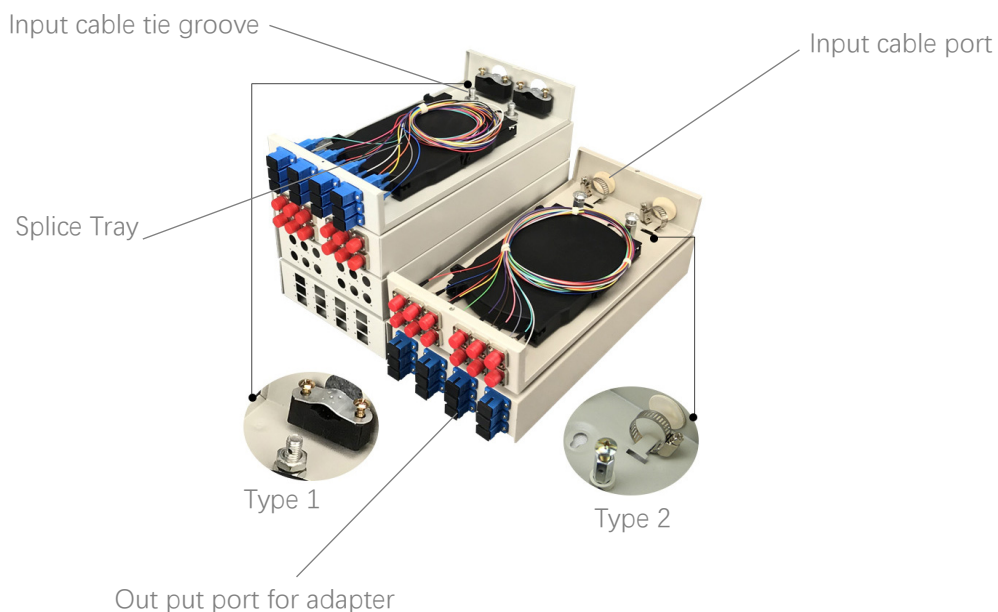
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
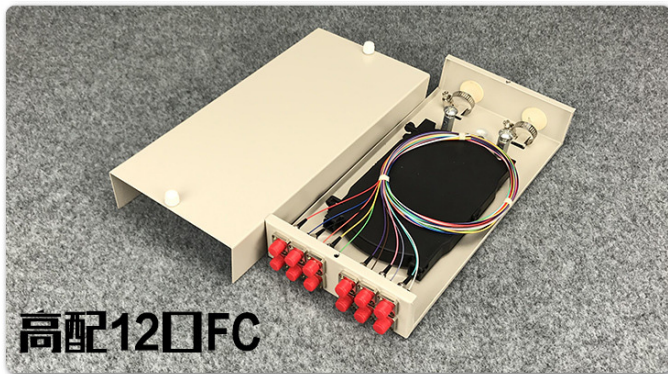- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM212A	275X130X45	5-10mm	2	12	Cold rolled steel sheet, electrostatic spraying. Provide 8adapters, available for SC and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

Input cable tie groove

Input cable port

Splice Tray

Type 1

Type 2

Out put port for adapter

高配12口FC

The 12cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
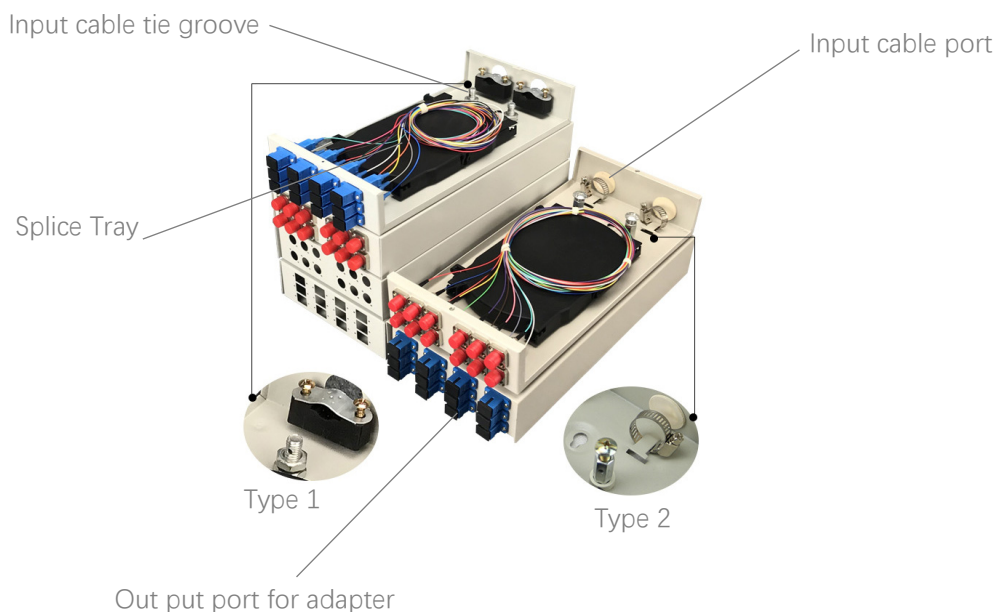
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
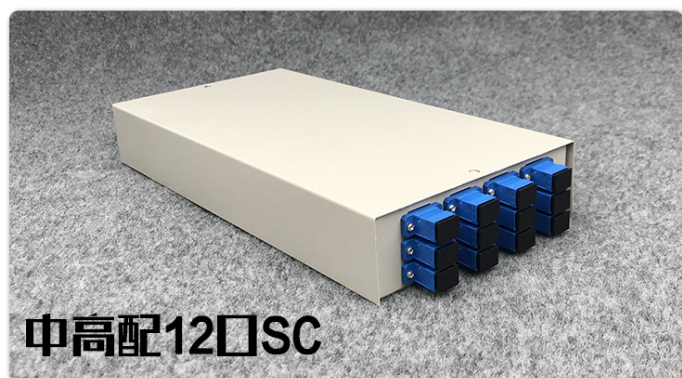- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM212B	275X130X45	5-10mm	2	12	Cold rolled steel sheet, electrostatic spraying. Provide 8adapters, available for FC, ST, . Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

Input cable tie groove

Input cable port

Splice Tray

Type 1

Type 2

Out put port for adapter

12cores FTB—FTBM212C

The 12cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
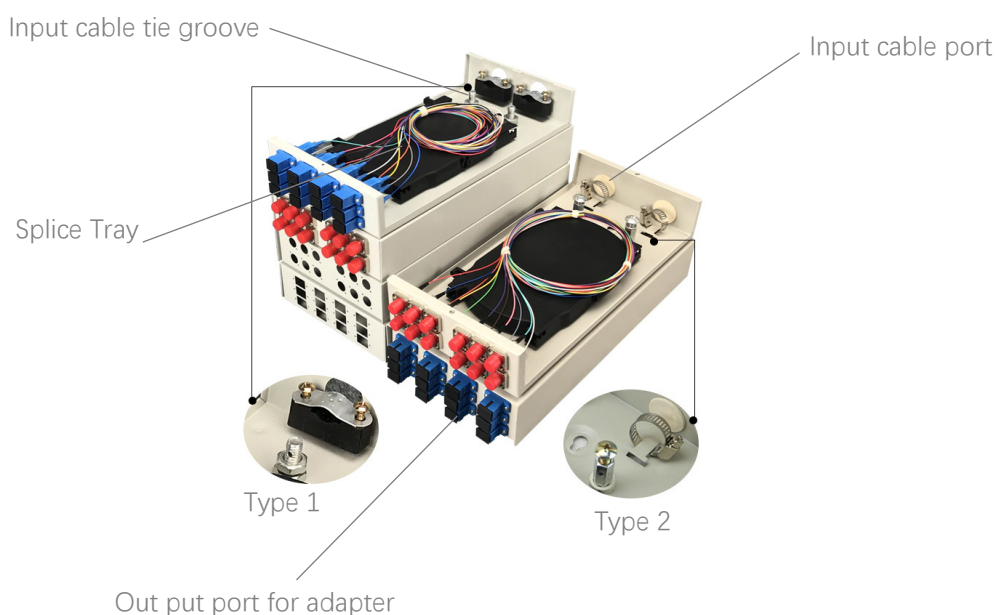
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM212C	265x130x40	5-10mm	2	12	Cold rolled steel sheet, electrostatic spraying. Provide 8adapters, available for SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

Input cable tie groove

Input cable port

Splice Tray

Type 1

Type 2

Out put port for adapter

中高配12口FC

The 12cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
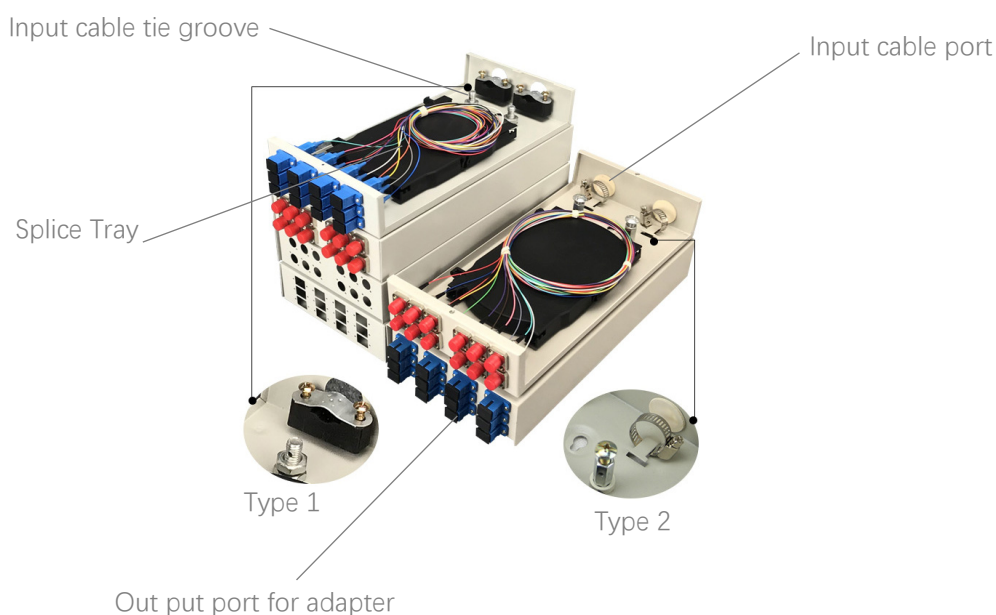
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
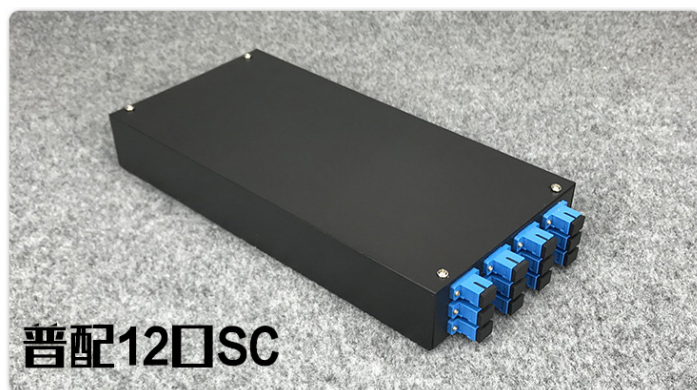- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM212D	265x130x40	5-10mm	2	12	Cold rolled steel sheet, electrostatic spraying. Provide 8adapters, available for FC, ST, Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

Input cable tie groove

Input cable port

Splice Tray

Type 1

Type 2

Out put port for adapter

The 12cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
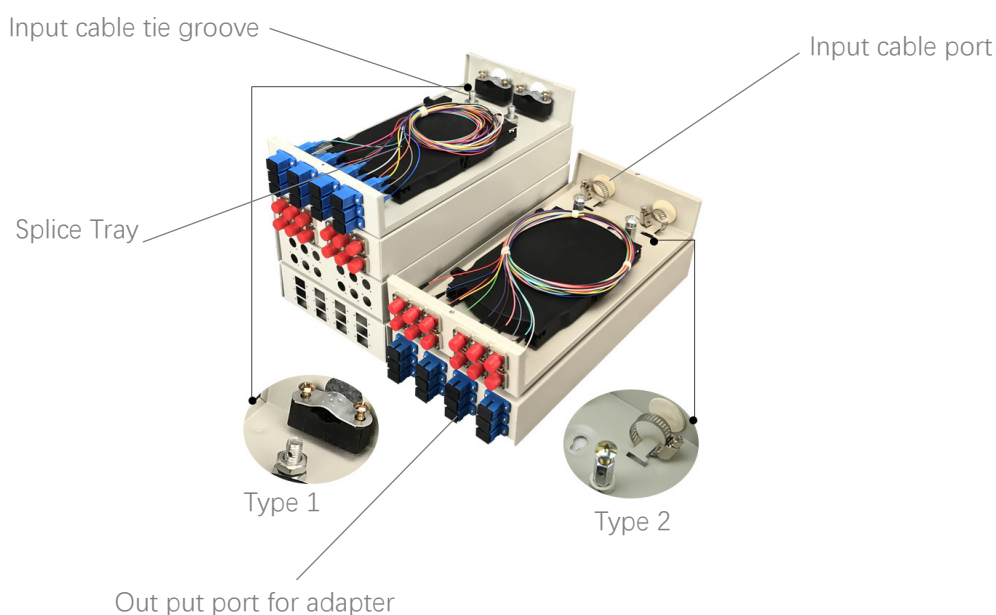
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
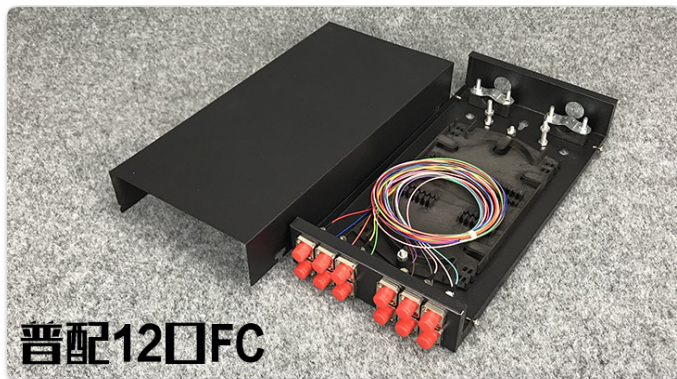- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM212E	285x140x45	5-10mm	2	12	Cold rolled steel sheet, electrostatic spraying. Provide 8adapters, available for SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

12cores FTB—FTBM212F

The 12cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.
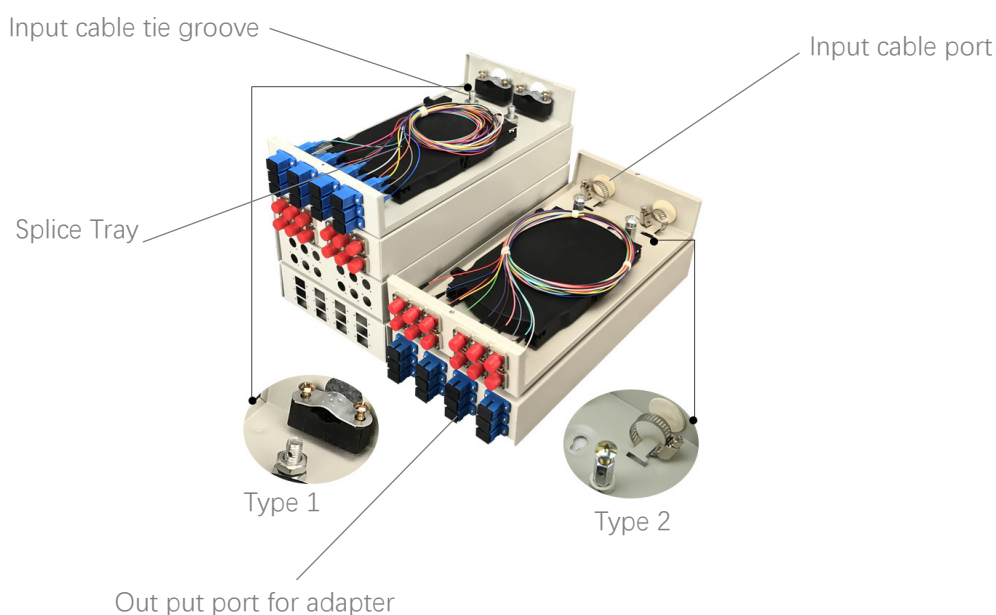
Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM212F	265x130x40	5-10mm	2	12	Cold rolled steel sheet, electrostatic spraying. Provide 8adapters, available for FC, ST, Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

16 cores FTB—FTBM116A

The 16 cores FTB product is designed for small capacity communication system, Wall mounted installation. The FTB is composed of two parts, one links with optical cables for fusion connection between cable and pigtail. Other links with patch cord.

Features

- Provide fusion and storage application for optical cables
- Reliable protection appliance of fixing, stripping and earthing for optical cables.
- Whole range protected design for fiber lay to ensure the bending radius>40mm
- Provide various accessories to avoid any unexpected damage to the fiber

Specification

Part NO	Dimension(mm)	Cable OD	Inlet ports	Max Splice &Connection capacity	Remark
FTBM116A	245*200*48	5-10mm	1(3)	16	Cold rolled steel sheet, electrostatic spraying. Provide 16 adapters, available for FC, ST, SC, and LC. Fit for wall mounting.

Application:

FTTH Cabling point's light split function
Floor's fiber distribution in building

PG 10 Gland   Reserved Input port

Input cable tie groove   wall mount hole