HONE
Optical Fiber & More

FTTH Products

CATALOG

Starting at 2002 in China, HOC helps wholesalers and brand owners fulfill their fiber optic products wholesale by top-end turnkey manufacturing.

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FTTH Network Summary

FTTH Network

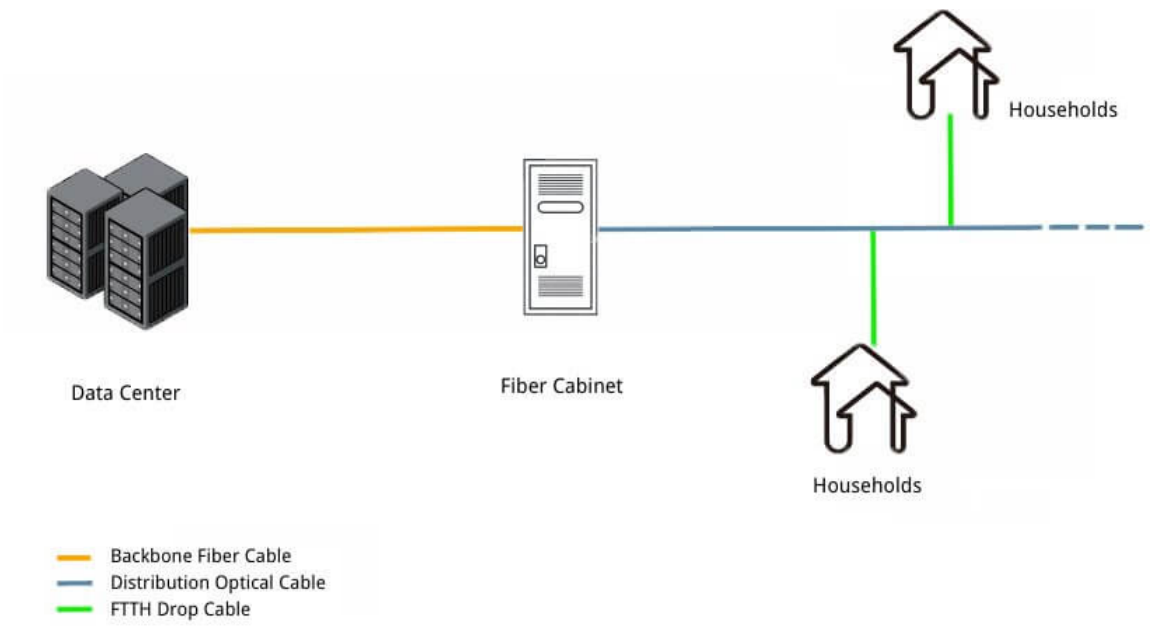
FTTH (Fiber To The Home) is a method of transmission for fiber optic communications. Specifically, FTTH refers to the installation of an optical network unit (ONU) at a residential or business user and is the closest type of optical access network application to the user in the optical access network, other than FTTD (Fiber To The Desktop).

ODN Solution

Like the ”cross wiring method" of communication telephone cables, the FTTH Optical Distribution Network (ODN) is divided into a backbone optical cable subsystem, a distribution optical cable subsystem, and an access optical cable terminal subsystem.

Features

- **Flexible Network Design**
  Distribution products of all specs for all network
- **Saves Installation Time and Costs**
  It is built for fast installation and easy maintenance
- **Upgrading Easily**
  Modular design makes easy network expanding
- **High Performance & Quality**
  High transmission rate and international standards



FTTH Relevant Products

01  Backbone Cable

02  Fiber Cabinet

03  Optical Splitter

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06  Air Blown Cable

07  Breakout Cable

08  Termination Box

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Fiber Cabinet Outdoor Cross Connecting Distribution Cabinet

Description

This optical fiber cross connecting cabinet is mainly used for outdoor cable connection, distribution and dispatching. Fiber optic cables are all connected with fiber patch cords and fiber patch panel flexibly.

Features

- Standard cabinet which is made of special synthetic material
- High intensity, anti corrosive and anti aging case
- Adaptable to various harsh environment
- Reliable sealing with waterproof and damp proof
- Suitable for FC, ST, SC and other universal adapters
- Reasonable fiber route, ensures the fiber bending radius larger than 37.5mm at any position
- Tray type termination unit and modular design, convenient for installation and expansion
- Operating temperature from -40 to +60 ° C
- Insertion loss less than 0.3 dB
- Ambient humidity less than 95% (+40° C)

Product Specifications

Model	Dimension (mm) HxWxD	Maximum fiber capacity
GXF-H-(04)A	1450*750*360	288 core
GXF-H-(04)B	950*520*300	144 core
GXF-H-(04)C	1450*750*620	576 core
GXF-H-(04)D	485*385*135	96 core

Applications

Outdoor fiber connection and distribution

Optical Distribution Frame (ODF) Rack With Splice Tray

Description

This is a 19-inch ODF, which is also know as optical distribution frame. It's suitable for places where large capacity of wiring is required. Such as FTTX local area or distribution branch point. It can be configured with optic splitter modules and easy for fiber optic cable splitting.

Features

- Universal for variety of adapters of SC, FC, LC and so on
- Reliable cable entry, fixation and protection design, suitable for all optical cable
- Optical splitter tray is available for preinstalled, ODF with highly compatibility
- Enclosed type frame, convenient for frame management
- Non fiber management unit, plug and play for easy application
- All operation on the front, cable can be introduced from above or below

Product Specifications

Model	Dimension (mm) HxWxD		
GPX-H-(04)A	2600*800*450	2200*800*450	2000*800*450
GPX-H-(05)A	2600*600*300	2200*600*300	2000*600*300
GPX-H-(05)B	2600*240*300	2200*240*300	2000*240*300
GPX-H-(05)C	2600*840*300	2200*840*300	2000*840*300
GPX-H-(05)D	2600*840*300	2200*840*300	2000*840*300
GPX-H-(06)A		2000*600*900	
WLPX-2066		2000*600*600	

Applications: Indoor fiber distribution

ODF 24 48 Port SC Optical Distribution Frame Management unit

Description

ODF optical distribution frame unit is used for the termination and distribution of backbone optical cable in the fiber communication system. With ODF patch panel, it's easy to realize the connection, distribution and branch of the optical fiber cable.

Features

- Fully modular design and full-frontal operation
- Cold rolling steel sheet body, which is artistic and durable
- Integrate splicing and wiring together, maximizing high density
- Installed on standard 19-inch rack
- Suitable for ribbon and non-ribbon fiber optic cables
- Universal adapters SC, FC, ST and LC can be installed
- Fiber cable and patch cords both have storage space of more than 2m

Product Specifications

ODF Type	Dimension (W*D*H mm)	ODF Type	Dimension (W*D*H mm)
GB-HA-12	480*205*1U	GB-HC-48	480*235*3U
GB-HA-24	480*205*2U	GB-HC-72	480*235*4U
GB-HA-48	480*205*3U	GB-HD-24	480*280*2U
GB-HA-72	480*205*4U	GB-HD-48	480*280*3U
GB-HA-144	480*205*8U	GB-HD-72	480*280*4U
GB-HB-24	480*280*2U	GB-HE-24	480*260*2U
GB-HB-48	480*280*3U	GB-HE-48	480*260*3U
GB-HB-72	480*280*4U	GB-HE-72	480*260*4U
GB-HB-96	480*280*5.5U	GB-HE-96	480*260*5.5U
GB-HC-12	480*235*1U	GB-HE-144	480*260*7.5U
GB-HC-24	480*235*2U		

Applications: Data center, Optical distribution frame

Fiber Patch Panels 24 48 Ports Sliding Drawer Type with Metal Handle

Description

This series of fiber panels is sliding drawer type and has 2 metal handle on both side of the panel front. It connects fiber cable and communication equipment or different optical communication equipment together.

Features

- Sliding drawer design and separate operation
- 2 metal handle on both side, easy to pull out and push in
- Cold rolling steel sheet body, which is artistic and durable
- Integrate splicing and wiring together, maximizing high density
- Installed on standard 19-inch rack
- Universal adapters SC, FC, ST and LC can be installed

Product Specifications

ODF Type	Dimension (W*D*H mm)	Max Capacity	Pcs/Carton	Carton Dimension (W*D*H mm)	Carton Weight (kg)
GPZ/RS-H-1U	482*300*1U	24	5	485*420*350	27.5
GPZ/RS-H-2U	482*300*2U	72	4	495*340*545	26.4
GPZ/RS-H-3U	482*300*3U	96	3	500*350*540	23.1
GPZ/RS-H-4U	482*300*4U	144	2	500*350*540	18.9
GPZ/RS-HA-1U	482*250*1U	24	5	485*425*305	19.5
GPZ/RS-HC-1U	482*300*1U	24	5	485*400*350	21
GPZ/RS-HC-2U	482*300*2U	48	4	495*340*545	21.6
GPZ/RS-HC-3U	482*300*3U	72	3	500*350*540	19.6
GPZ/RS-HD-1U	482*300*1U	24	5	485*400*350	26
GPZ/RS-HD-2U	482*300*2U	48	4	495*340*545	24.8
GPZ/RS-HD-4U	482*300*4U	144	2	500*350*540	18.5

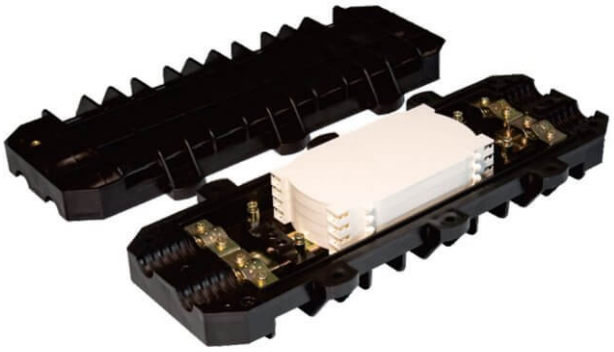
Applications:

- Small and medium size distribution frame of FTTH
- remote module and wireless base station

Splice Closure Horizontal Type Fiber Cable Joint Splice Case

Description

This horizontal splice closure are suitable for optical cables of 10mm ~ 23mm diameter. The case are made of high-quality alloy plastic and mechanically sealed with filling material. The external components and fastening parts are all made of stainless steel. It can be re-opened without changing the sealing material.



Features

- Horizontal for aerial, duct or direct buried fiber cable branching and splicing
- Case of high-quality alloy plastic materials, can used in harsh environment
- Multiple reuse and function of capacity expansion
- Stackable splice tray for easy operation and maintenance
- Anti impact and anti corrosion enclosure
- Stainless steel installation instruments
- Mechanical or heat shrinkable seal available

Product Specifications

Splice Closure Type	Dimension (mm)	Cable Diameter (mm)	Capacity of Single Splice Tray	Max Splice Tray No.	Max Total Capacity	Sealing Structure
GJS(05)-H1	485(440)*165*110	Φ10-22	24	6	96	self-adhesive tape
GJS(05)-H2	580(480)*185*125	Φ10-22	24	8	144	
GJS(05)-H3	655(550)*215*185	Φ10-22	24	5	192	
GJS(05)-H3D	655(550)*215*185	Φ10-22	72	4	360	

Applications: Outdoor aerial, direct buried

Dome Type Closure Vertical Fiber Optic Splice Closure

Description

This vertical dome closure for fiber optic cable splicing can be used with pole mounted, wall mounted and aerial application.

Features

- Vertical straight for fiber cable branching and splicing
- Splice trays can be easily controlled according to capacity required
- Bending radius of fibers, no less than 30mm at any position
- Stackable splice tray for easy operation and maintenance
- Anti impact and anti corrosion enclosure
- Stainless steel installation instruments
- Mechanical or heat shrinkable seal available

Product Specifications

Model	Dimension (mm)	Cable diameter (mm)	Cable ports	Single splice tray capacity single fiber	Max splice tray qty	Max. fiber capacity
GJS-H-M3/JF	Φ190*410	7 ~ 18	2 in 2 out	24	4	96
GJS-H-M3/RS	Φ190*435	7 ~ 20	2 in 2 out	24	4	96
GJS-H-M5/JF	Φ230*445	7 ~ 18	3 in 3 out	24	6	144
GJS-H-M5/RS	Φ210*540	7 ~ 20	3 in 3 out	24	4	96
				72 ribbon fiber	4	288 ribbon fiber
GJS-H-M5/RS-B	Φ210*440	7 ~ 20	3 in 3 out	24	6	144
GJS-H-M7/RS-A	Φ230*440	7 ~ 20	4 in 4 out	24	6	144
GJS-H-M11/RS-A	Φ230*440	7 ~ 12	6 in 6 out	24	6	144

Applications: Pole mounted, wall mounted and aerial application

Outdoor Fiber Distribution Box (FDB)
8 Ports 16 Ports

Description

Fiber optic distribution box (FDB) is widely used in FTTH access network, Telecommunication network, CATV network, Data communication network and local area network (LAN).

FTB-H216 is applied at the FTTH distribution lines, such as access network and CATV network, to fix and splice with drop cables. PC and ABS materials, silicon rubber and sealing nitrile rubber buna offer mechanical protection for outdoor wall mount installation and variety ways of connection. It provides effective management of optical fiber.

Features

- Industrial standard user interface
- Made of high impact plastics
- Accommodated with 1:4, 1:8, 1:16 PLC splitter
- Anti-UV, high impact resistant and waterproof characteristics
- Up to 24 FTTH drop cables
- Wall and pole mountable
- 1-3 cable inlet ports, 8-24 outlet ports

Product Specifications

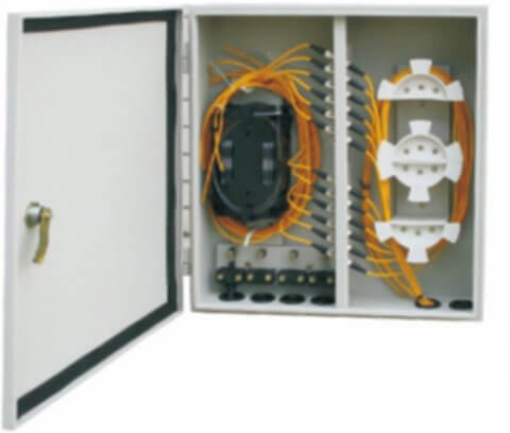
Model	Cable In Port	Cable Out Port	Max Splitting	Dimension (mm)
FTB-HS108B	2	8	1:8	126*190*46
FDB-H208	2	8	1:8	150*200*46
FDB-H208A	2	8	1:8	205*215*55
FDB-H208B	2	8	1:8	205*215*55
FDB-H208C	2	8	1:8	150*225*46
FDB-H212A	2	12	1:8	212*224*73
FDB-H216A	2	16	1:16 (1 pcs) 1:8 (2 pcs)	260*300*95
FDB-H216B	2	16	1:16 (1 pcs) 1:8 (2 pcs)	275*325*100
FDB-H216D	2	16	1:16 (1 pcs) 1:8 (2 pcs)	260*350*90
FDB-H324	3	32	1:32 (1 pcs) 1:16 (2 pcs)	295*335*117

Applications: Wall and pole mount

Fiber Optic Termination Box Wall Mount Distribution Box

Description

This wall mounted fiber optic termination box from HOC is available for small capacity communication system. It connects fiber cable and patch cords.



Features

- High quality sheet material with good mechanical performance
- Electrostatic spraying treatment provides robustness, durability and elegant appearance for the box
- Suitable for indoor, outdoor wall mounted
- Built in stacked splice tray for relay operation
- Modular design which is convenient for fixation and maintenance
- Separate aeras provides better protection and management for fiber cables
- Can be used as cable termination, distribution and splitting
- Suitable for access point in FTTH fiber distribution network

Product Specifications

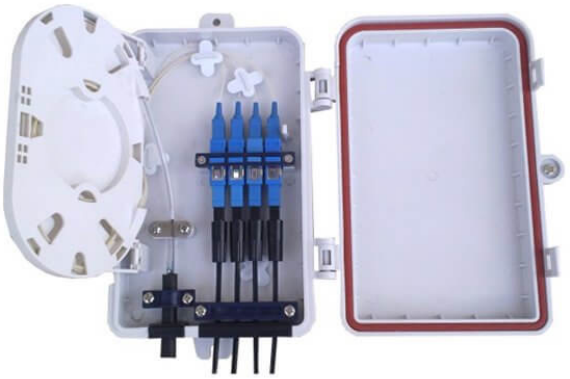
Model	Dimension (mm) H*W*D	Maximum Fiber Capacity	Packing qty	Packing sizes (mm)	Carton weight (kg)
GP-H(05)A-24	455*405*80	24	4	500*450*490	29.5
GP-H(05)A-48	455*405*120	48	3	500*450*490	25.3
GP-H(05)A-72	455*405*150	72	2	500*450*390	19.5
GP-H(05)B-48	455*405*120	48	3	500*450*490	27
GP-H(05)B-72	455*405*150	72	2	500*450*390	20.5
GP-H(05)A-24A	350*350*80	24	5	405*405*605	20.8
GP-H(05)A-24B	455*405*80	24	4	500*450*490	29
GP-H(05)C	350*300*80	12	5	405*355*605	19.5
GP-H(05)D	350*300*80	24	5	405*355*605	19.5

Applications: Wall mounted for FTTH

Wall Mounted Fiber Termination Box (FTB) 4 Cores for FTTH Solutions

Description

Fiber termination box (FTB) is also known as optical termination box (OTB) or customer box. As distribution products for fiber to the home (FTTH), FTB box connects fiber optic cable and patch cable on both sides.



Features

- IP54 for outdoor application
- 4 cores max capacity and 1×4 PLC splitter
- Wall mount installation
- Cable diameter: Φ7mm~10mm
- Fast connector available
- Dimension: 210x140x40mm

Product Specifications

Model	Cable Port	Cable Diameter (mm)	Max Capacity (Core)	Dimension (mm)	Installation	Application
FTB-H104C	4	7~10	4 (single fiber)	210x140x40	wall mount	FTTH

Applications: Wall mount

Multimedia Information Box Household Wall Mount FTTH Termination

Description

Multimedia information box is also called integrated cabinet, home information access box, home wiring box.

It is widely used in smart homes and buildings.
The box is mainly used for the unified management and distribution of weak electricity signals in the household, including weak electricity wiring such as network, telephone, TV, security, etc.

Features

- It uniformly manage the wiring of fiber drop cable and network cable
- Separated strong and weak currents, so the communication won't be affected
- More convenient for independent network management
- Integrates FTTH access and home network

Product Specifications

Model	Dimension (mm)
MI-HB01	200*300*100
MI-HB02	300*400*100
MI-HB03	300*400*100

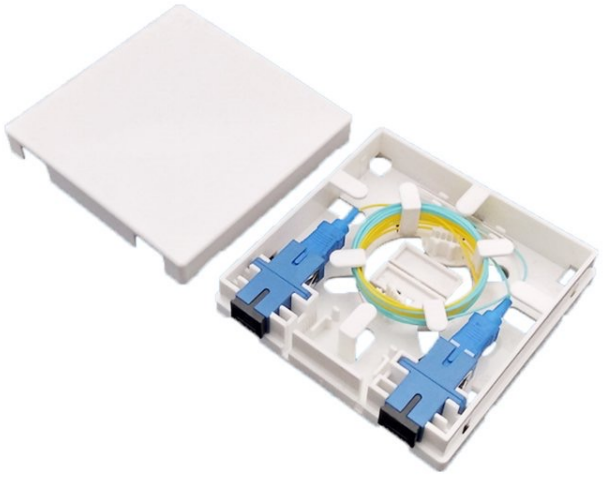
Applications: Indoor wall mount

Fiber Terminal Box 2 Cores SC Wall Outlet Faceplate Socket Panel

Description

This fiber optical socket panel works as the end faceplate for FTTH entering households. It provides user with 2 SC fiber interface. And it's widely used in family and workplaces.

Other than good compatibility, high reliability and stable ceramic parts, this box also has good temperature characteristics. All these features make the terminal box panel flexible and convenient to use.



Features

- Horizontal 2 SC/LC adapter interface
- Cable diameter 2mm, 3mm, 2x3mm drop cable
- Redundant fiber can be stored inside, therefore easily use and maintain
- Fiber pigtail and cable can be connected by heat or mechanical
- Widely used, especially for multi-storey and high-rise building
- Good repeatability for the fiber terminal box

Product Specifications

Model	Capacity	Dimension (mm)	Weight (kg)	Package Size (mm)	Gross Weight (kg)	Packing QTY (pcs)
GPMB-HB2	2 cores	86x86x18.5	0.045	500x390x320	14.5	300

Applications

- Wall mount installation in FTTH, CATV
- Local area network and optical fiber broadband access network

PLC Splitter 1×8 SC UPC Insert Cassette Card Type Optical Splitter

Description

Cassette PLC splitter has a compact and small structure. The optical splitter is installed and fixed in the cassette box. Adapter interface types are SC/FC/LC, etc. It's a modular design and mainly vertically installed in standard 19 inch and 21-inch optical distribution frame (ODF).

Features

- PLC splitter loss is not sensitive to wavelength
- Has good splitting uniformity
- Temperature resistance
- Meet transmission needs of different wavelength
- Compact structure, small volume
- Good fiber routing design ensures the bending radius of optical fibers

Product Specifications

Splitter Type	1x2	1x4	1x8	1x16	1x32	1x64
Wavelength	1260nm ~ 1650nm					
Insertion Loss (MAX) A	3.6	7.2	10.2	13.5	16.2	20.5
Insertion Loss (MAX) B	4	7.4	10.5	13.7	16.7	21
Uniformity (dB)	0.4	0.6	0.8	1	1.2	1.8
Polarization Loss (dB)	0.2	0.2	0.3	0.3	0.3	0.4
Directionality (dB)	55					
Return Loss (dB)	55					
Operation Temperature	-40 ~ +85 ℃					
Storage Temperature	-40 ~ +85 ℃					

Splitter Type	2x2	2x4	2x8	2x16	2x32
Wavelength	1260nm ~ 1650nm				
Insertion Loss (MAX) A	3.8	7.5	10.7	14	17
Insertion Loss (MAX) B	4.2	7.8	11	14.2	17.5
Uniformity (dB)	0.6	1	1.2	1.5	1.8
Polarization Loss (dB)	0.2	0.2	0.3	0.3	0.3
Directionality (dB)	55				
Return Loss (dB)	55				
Operation Temperature	-40 ~ +85 ℃				
Storage Temperature	-40 ~ +85 ℃				

Applications: Rack mount standard ODF, fiber distribution box, fiber cabinet

Fiber Splitter 1×16 SC Single Mode ABS Box PLC Optical Splitter

Description

Fiber splitter, also known as optical splitter, is one of the most important passive components in optical fiber network.

It is an optical fiber tandem device with multiple input ends and multiple output ends. M*N is often used to indicate that a splitter has M input terminals and N output terminals. Optical splitters used in optical fiber CATV systems are generally 1*2 and 1*N optical splitters composed of them.

Features

- PLC splitter loss is not sensitive to wavelength
- Meet transmission needs of different wavelength
- Light is evenly split, and signal can be evenly distributed to users
- Compact structure, small volume
- Can be directly installed in various existing distribution box without too much space
- Available for more than 32 channels
- Low cost for multiple channels

Product Specifications

Splitter Type	1x2	1x4	1x8	1x16	1x32	1x64
Insertion Loss	≤4.2dB	≤7.2dB	≤10.5dB	≤13.5dB	≤16.9dB	≤20.5dB
Uniformity	≤0.6dB	≤0.6dB	≤0.8dB	≤1.1dB	≤1.5dB	≤2.0dB
Test Wavelength	1310nm, 1490nm, 1550nm					
Working Wavelength	1260nm ~ 1650nm					
Polarization Dependent Loss	<0.2, <0.3					
Directionality (dB)	>55dB					
Return Loss (dB)	>55dB					
Operation Temperature	-40 ~ +85 ℃					
Storage Temperature	-40 ~ +85 ℃					

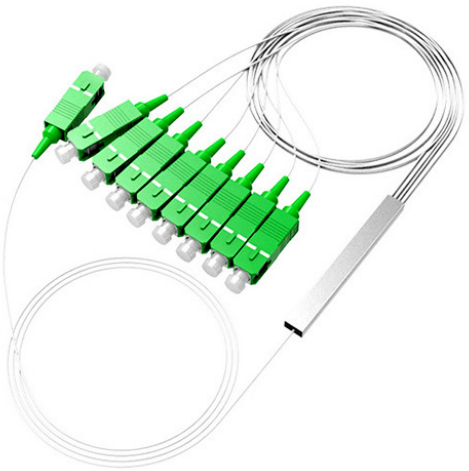
Applications

- Optical fiber communication systems,
- Radio and television networks, etc.

Fiber Optic PLC Splitter 1×8 SC APC Mini Splitter

Description

PLC splitter, also known as Planar Lightwave Circuit splitter, is one of the most important passive devices in the fiber optic link. The plc splitter 1×8 is a fiber optic convergence with 1 inputs and multiple outputs device. It realizes the coupling, branching and distribution of optical signals in optical network systems.



Features

- Low insertion loss
- Low polarization dependent loss
- Compact design
- Good spectral uniformity
- Wide operating wavelength range: 1260nm ~ 1650nm
- Wide operating temperature range: -40° C ~ 85° C

Product Specifications

Type	1x2	1x4	1x8	1x16	1x32	1x64
Wavelength (nm)	1260 ~1650					
Optical Fiber	G.657A or specified					
Insertion Loss (dB) (P/S level)	3.8/4.0	7.0/7.2	10.3/10.5	13.5/13.7	16.5/16.8	20.1/20.5
Loss Uniformity (dB)	0.4	0.6	0.8	1.2	1.5	2.0
Return Loss (dB) (P/S level)	55/50	55/50	55/50	55/50	55/50	55/50
Polarization Related Loss (dB)	0.2	0.2	0.2	0.25	0.3	0.35
Directional (dB)	55	55	55	55	55	55
Wavelength Related Loss (dB)	0.3	0.3	0.3	0.3	0.5	0.5
Temperature Stability (-40 ~85°C) (dB)	0.4	0.4	0.4	0.5	0.5	0.5
Storage Temperature (°C)	-40 ~ +85					
Storage Temperature (°C)	-40 ~ +85					

Applications: FTTH, PON, CATV and other optical splitting system

LC LC Patch Cord Single Mode UPC Duplex Fiber Jumper for FTTH System

Description

Fiber optic patch cord is an optical cable with connectors on both end. This jumper is consisting of multimode duplex fiber cable with LC connectors. It is used to connect equipment and distribution network. Except the LC LC patch cord, we have diversiform types of patch cord, including FC, SC, LC, MTRJ, MU, E2000, DIN, D4, MPO etc. All meet the Europe RoHS requirements.

Features

- Standard connector
- Rapid upgrading, support parallel transmission
- Customized cable length
- Factory pre-termination with 100% test to ensure good transmission performance
- Rapid configuration which reduce installation time
- Comply with IEC61754-7, GR-326-CORE, RoHS
- OFNP and LSZH materials are available for sheath

Product Specifications

Fiber Type	Core/Cladding Diameter (μm)	Bandwidth (MHz·km)	Wavelength (nm)	Max. Attenuation (dB/km)
G652D	9/125	NA	1310/1550	0.36/0.22
G657A2	9/125	NA	1310/1550	0.36/0.22
OM1	62.5/125	200	850/1300	3.0/1.0
OM2	50/125	500	850/1300	3.0/1.0
OM3	50/125	2000	850/1300	3.0/1.0
OM4	50/125	4700	850/1300	3.0/1.0

Connector Type	Insertion Loss (dB)	500 times durability (dB)	Temperature Cycling (dB)
LC/SC/FC MM	≤0.30	≤0.20	≤0.20
LC/SC/FC SM	≤0.30	≤0.20	≤0.20

Applications: Optical access network, CATV, LAN, Equipment tests, Optical sensors

LC Pigtail Single Mode UPC Fiber Optic Pigtail

Description

Fiber pigtail is a fiber optic cable with a connector installed at one end and the other end of the fiber or fiber optic cable. By splitting an optical patch cable in two, there can be two optical pigtails.

Optical pigtails are usually used for the termination of optical paths (such as termination points to the actual test result box, wiring equipment in the fusion tray, etc.), or the lead-in of optical devices (such as optical splitters, lasers, detectors, etc.). The length of fiber pigtail usually does not exceed 2 meters.

Features

- Horizontal Low insertion loss and high return loss
- Class A end face
- Good repeatability and interchangeability
- Good temperature stability
- Strong tensile performance

Product Specifications

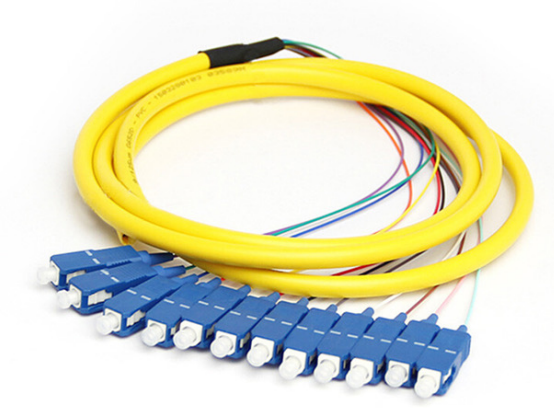
Item	Specifications
Fiber Type	SM (G.652D) or customized
Assembilies	simplex / duplex
Connector	SC / FC / LC / ST
End Face Polish	UPC / APC
Cable Diameter	0.9mm / 2.0mm / 3.0 mm
Jacket Material	PVC
Working Wavelength	1310nm / 1550nm
Insertion Loss	≤0.3dB
Return Loss	UPC≥50dB, APC≥60dB
Exchangeability	≤0.2dB
Operating Temperature	-40 ~ +85°C
Storage Temperature	-40 ~ +85°C

Applications: LAN, WAN, CATV, FTTX, Security, Test equipment

12 Core Single Mode Fiber Optic Bundle Cable Patch Cable

Description

Fiber optic bundle cable pigtail has connectors at one end, and a breakout fiber bundle at the other end. All the fiber break out are connected to other fiber optic cable fibers cores by fusion splicing. Fiber bundle pigtails are often found in fiber optic terminal boxes, used to connect fiber optic cable to terminal equipment.



Features

- High-performance single-mode fiber core, easy to splicing
- Small optical loss, faster and more stable data transmission
- Low insertion loss, high insertion and removal times
- One-piece process, high toughness long wire end, anti-bending
- Reducing weakening, no breakage

Product Specifications

Item	Specifications
Connector	SC / FC / LC / ST
Insertion Loss	≤0.3dB / ≤0.2dB
Return Loss	SM: UPC≥50dB, APC≥60dB; MM: UPC≥25dB
Repeatability	≤0.2dB
Insertion & Removal	1000 times
Bending Radius	Static: 20D, Dynamic: 10D
Working Wavelength	1310nm ~ 1550nm
Working Temperature	-20 ~ +70°C
Optical Fiber	SM / OM1 / OM2 / OM3 / OM4 / OM5
Length (m)	0.5 / 1 / 2 / 3 / 5 / 10 / Customized
Outer Diameter (mm)	0.9 / 2.0 / 3.0
Cable Jacket	PVC / LSZH / TPU / Customized

Applications

- CATV, LAN/access network
- telecom network/Gigabit data network testing, medical equipment
- other industrial and military applications

Pre-Terminated Fiber Optic Armored Cable Patch Cord 1M 2M 5M

Description

This pre terminated fiber armored patch cord can be laid in all kinds of environmental extremes. It is used without protection tube which saves space and is quite convenient for maintenance. Also, it has the construction including stainless steel tube which protects optical fiber and provide better security for the whole system.

Fiber Cable Specs

- Tight-buffered fiber: SM or MM; 0.9mm tight-buffered fiber
  General attenuation: SM– 1310 nm≤0.35dB/km; 1550 nm≤0.25dB/km MM– 850 nm≤3.0dB/km; 1300 nm≤1.0dB/km
- Armor:
  Material: stainless steel
  Gap (p): 0.25±0.02 mm
  Compression resistant strength: ≥300KGf/100MM
- Aramid yarn:
  Tensile strength: Short term: ≥300N: long erm:≥150N.
- Jacket:
  Material: TPU /LSZH Thickness: 0.45±0.05 mm Outer diameter: 5.0±0.2mm

Product Specifications

Parameter	Unit	ST, SC, LC, FC, MTRJ		
		SM		MM
		PC	UPC	PC
Insertion Loss (typical)	dB	≤0.3	≤0.2	≤0.2
Return Loss	dB	≥45	≥50	≥30
Operating Wavelength	nm	1310, 1510		
Exchangeability	dB	≤0.2		
Vibration	dB	≤0.2		
Operating Temperature	°C	-40~85		
Storage Temperature	°C	-40~85		
Cable Diameter	mm	Φ5.0±0.2mm		

Applications: Military, Extreme environments

MPO Fiber Patch Cord Cable For High Density Data Cabling

Description

MPO/MTP patch cord is a fiber optic cable with Multi-Fiber Push On connectors. The compact design of the MPO connector makes the MPO jumper more cores and smaller in size. And it's widely used in areas where high density integrated optical fiber lines are required in the network.

Features

- High precision MPO/MTP connector
- Different cable structure available for various application
- Available in 4 to 48 cores fiber cable with bundle and ribbon optical cable
- Factory pre-termination with good transmission performance
- Rapid configuration which reduce installation time
- Improves and simplifies fiber routing, save fiber management room
- Comply with IEC61754-7, Telcordia GR-1435-CORE, RoHS
- OFNP and LSZH materials are available for sheath

Product Specifications

Connector Type	Insertion Loss (dB)	500 Times durability (dB)	Temperature Cycling (dB)
MPO/MPT MM Elite	≤0.35	≤0.20	≤0.20
MPO/MTP SM Elite	≤0.35	≤0.20	≤0.20
MPO/MTP MM Standard	≤0.70	≤0.20	≤0.20
MPO/MTP SM Standard	≤0.70	≤0.20	≤0.20

Fiber Type	Core/Cladding Diameter (μm)	Bandwidth (MHz·km)	Wavelength (nm)	Max. Attenuation (dB/km)
G652D	9/125	NA	1310/1550	0.36/0.22
G657A2	9/125	NA	1310/1550	0.36/0.22
OM1	62.5/125	200	850/1300	3.0/1.0
OM2	50/125	500	850/1300	3.0/1.0
OM3	50/125	2000	850/1300	3.0/1.0
OM4	50/125	4700	850/1300	3.0/1.0

Applications: High density integrated optical fiber lines

MPO Breakout Cable Connector MPO to LC SC Duplex Simplex

Description

This MPO breakout cable or fan-out cable is a fiber optic cable with MPO connector on the one end, and LC connectors on the other end. As a result, the LC connectors can easily connect to other links. It's widely used in 40G to 10G network system.

Features

- Horizon High precision MPO/MTP connector and duplex/simplex LC/SC
- Less spaces and better vertical management in the fiber cabinet
- Custom cable length and fan-out length
- Factory pre-termination with good transmission performance
- Rapid configuration which reduce installation time
- Comply with IEC61754-7, Telcordia GR-1435-CORE, GR-326-CORE, RoHS
- OFNP and LSZH materials are available for sheath

Product Specifications

Connector Type	Insertion Loss (dB)	500 times durability (dB)	Temperature Cycling (dB)
MPO/MTP SM Elite	≤0.35	≤0.20	≤0.20
MPO/MTP MM Standard	≤0.70	≤0.20	≤0.20
MPO/MTP SM Standard	≤0.70	≤0.20	≤0.20
MPO/MTP SM Standard	≤0.70	≤0.20	≤0.20
LC MM	≤0.30	≤0.20	≤0.20
LC SM	≤0.30	≤0.20	≤0.20

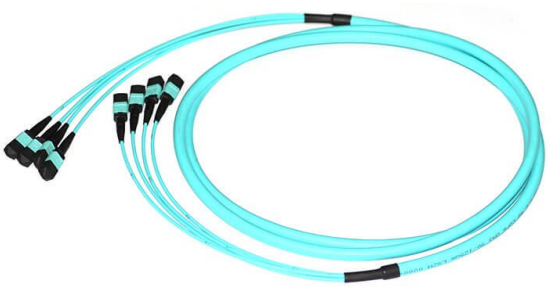
Fiber Count		2	4	6	8	12	24
Bending Radius (mm)	Static	10D	10D	10D	10D	10D	10D
	Dynamic	20D	20D	20D	20D	20D	20D
Temperature	Operation	-20 ~ +60 ℃					
	Installation	-5 ~ +50 ℃					
	Storage	-25 ~ +75 ℃					
Package		PE bag: length less than 50m; Reel packing: length more than 50m					

Applications: Aerial, duct and direct buried

MTP Connector 12 Core Pre-terminated Plug And Play Trunk Cable

Description

Pre-terminated trunk cable with MTP/MPO connectors can be quickly installed, and achieve high-performance, high-density fiber connectivity. It is composed of small size OM3 OM4 fiber optic cable and 12 core MTP/MPO connectors.



Features

- High precision MPO/MTP connector
- Good mechanical performance
- Available from 12 to 144 cores fiber
- Factory pre-termination with good transmission performance
- Customize available for trunk cable length
- Easy installation with optional configuration of pulling hooks
- Comply with IEC61754, Telcordia GR-1435-CORE, GR-326-CORE, RoHS
- OFNP and LSZH materials are available for sheath

Product Specifications

Fiber Count		12	24	48	72	96	144
Fan-out Length (cm)		60-100	60-100	60-100	60-100	60-100	60-100
Pulling Hook	Tension (N)	400	600	600	600	600	600
	Impact (N/cm)	100	100	100	100	100	100
Bending Radius (mm)	Static	400	450	450	450	450	450
	Dynamic	20D	20D	20D	20D	20D	20D
Temperature	Operation	-20 ~ +60 ℃					
	Installation	-5 ~ +50 ℃					
	Storage	-25 ~ +75 ℃					
Package		PE bag: length50m					

Applications: Aerial, duct and direct buried

Splicing Machine Fully Automatic 6 Core Alignment Fusion Splicer

Description

This fully automatic 6 core alignment fiber optic splicing machine, with built-in power, power meter and VFL. Mobile App and cloud storage management is supported. In addition, this fusion splicing machine also has a built-in power meter and VFL (visual fault locator) to help operator with more convenient network management.

Features

- Horizontal for aerial, duct or direct buried fiber cable branching and splicing
- Case of high-quality alloy plastic materials, can used in harsh environment
- Multiple reuse and function of capacity expansion
- Stackable splice tray for easy operation and maintenance
- Anti impact and anti corrosion enclosure
- Stainless steel installation instruments
- Mechanical or heat shrinkable seal available

Product Specifications

Fiber Alignment	Core / Cladding alignment, Manual alignment
Splicing Time	5 Second
Heating Time	15 Second
Heating Mode	Automatic heating (Pre-heating)
Focus Mode	6 motors auto positioning
Applicable Fibers	SM (G.652 & G.657), MM (G.651), DS(G.657), NZDS (G.655)
Splice Loss	0.025dB(SM), 0.01dB(MM), 0.04dB(DS/NZDS)
Control	Real-time control and calibration of fusion ARC
Return Loss	Better than 60dB
Software Update	Automatically update, update by a key
Built-In Battery	7800 mA high-capacity lithium battery, charging time ≤ 3.5 hours, continuous splicing and heating about 260 times
Power Supply	Input AC100-240V 50 / 60HZ, output DC13.5V / 4.8A, the current power mode can be identified, real-time detection of battery power
Operation Conditions	Temperature -15 ~ +50 °C, humidity: <95% RH (no condensation) Working altitude: 0 ~ 5000m. Resist max. wind speed: ≤ 15m / s
Shrinkable Tube	60mm、50mm、40mm、25mm
Protection	Waterproof, dust proof, shock-resistant

Applications: FTTH, Trunk fiber cable lines

FTTH Fiber Cable 2 Core Bow Type with Steel Wire Distribution Drop Cable

Description

This 2-core cable with 2 steel wire as strength member, provides excellent performance of crush and tensile strength. The cable is used as access cable, FTTH drop cable in FTTH system.

Features

- Horizontal Small diameter, light weight and strong practicability
- Simple and reasonable structure, good compressive, tensile and aging resistance
- Groove 8 design makes the FTTH cable easy to peel off the sheath, simplifying installation and maintenance
- Small bending radius and excellent flexibility meets various indoor wiring environments of FTTH
- Fiber core meets or better than ITU G.657 standard, highest cost performance
- LSZH sheath is ideal for indoor application and environment friendly

Product Specifications

Fiber Count	Cable Size (mm)	Cable Weight (Ref kg/km)	Tensile Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius Static/Dynamic mm
1	(2.0±0.1)x(3.0±0.1)	8	40 / 80	500 / 1000	15 / 30
2	(2.0±0.1)x(3.0±0.1)	8.5			

Optical Characteristics			G.657A1	G.657A2	OM3	OM4
Attenuation (+20℃)	850/1300nm	Typical	--	--	3.0/1.0 dB/km	3.0/1.0 dB/km
		Max.	--	--	3.5/1.5 dB/km	3.5/1.5 dB/km
	1310/1550nm	Typical	0.36/0.22 dB/km	0.36/0.22 dB/km	--	--
		Max.	0.5/0.4 dB/km	0.5/0.4 dB/km	--	--
OFL	850/1300nm		--	--	≥1500/500 MHZ.km	≥3500/500 MHZ.km
Bandwidth	850nm		--	--	≥2000 MHz·km	≥4700 MHz·km
10G Ethernet Link Length (m)	850nm		--	--	≤300m	≤550m
Min. Bending Radius			10mm	7.5mm	30mm	30mm

Fast Connector SC UPC FTTH Fiber Optic Quick Connector

Description

Fast connector is a kind of fiber optic connector that can solve the field operation and FTTH project. As one of fiber optic installation equipment and tool, this fast connector SC UPC connector is widely used in places where rapid connection is required on the construction site, providing a fast and stable connection for operation.

The field assembly of fast connector does not require glue curing and grinding, which provides faster help for engineers in line installation, maintenance and repair, as well as FTTH network.

Features

- Easy to use
- Low insertion loss and high return loss
- Grade A ceramic insert
- New environmental protection PBT
- High precision production technology, stable and reliable performance
- Good optical properties
- Class A end-face with 400 times inspection

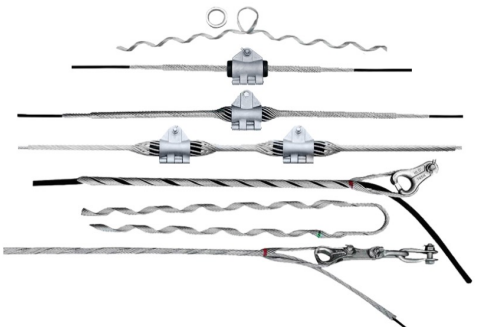
Product Specifications

Fast Connector	Characteristics	
Optical Fiber Type	Single Mode, Multimode	
Insertion Loss	< 0.5dB	
Grinding Type	UPC	APC
Return Loss	≥50dB	≥60dB
Operation Temperature	-40℃~70℃	
Connection Type	Push-On	

Applications: Aerial, duct and direct buried

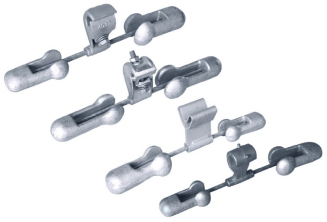
FTTH Cable Fittings

Cable Clamp



Tension / Suspension Set

Plastic Tension Clamp



Vibration Damper

Spiral Vibration Damper

Suspension Clamp

Drop Cable Clamp

Cable Storage Assembly

For more information, visit us at
www.honecable.com
or email us at
sales@honecable.com

About HOC

HOC, leading in high quality fiber optic cables and FTTH turnkey solutions, delivers a comprehensive fiber product portfolio designed to meet the optical communication network infrastructure needs of industrial, enterprise and FTTH markets. Founded in 2002, the company is headquartered in Chengdu, China, and has manufacturing and supplying capabilities for global markets.