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**FTTH**

**Fiber Optic Products**

**Factory**

Take quality as life and customer as God,

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Your trusted partner in the field of optical communication.

**HANGZHOU JUNPU OPTOELECTRONIC EQUIPMENT CO.,LTD**

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# About us

Hangzhou Junpu Optoelectronic Equipment Co.Ltd established in 2008, which is a national high-tech enterprises that specialized in research, production, and sale of FTTH products and is also capable of large-scale production for

- Fiber Optical Cable,
- Fiber Distribution Box,
- Fiber Terminal Box,
- XGPON EDFA WDM,
- 1550 Optical Transmitter,
- Optical Plc Splitter,
- Fiber Patch Cord.



The company owns first-class production equipments and detecting systems, and provide reliable products at a resonable cost.



# JUNPU

## 产品类目

## Product Content

1. 光缆分纤箱  
Fiber Optical Distribution Box
2. 光缆接头盒  
Fiber Optical Splice Closure
3. FTTH 皮线光缆  
FTTH Fiber Optical Drop Cable
4. 光纤光缆  
ADSS Cable
5. 光通讯设备  
EDFA WDM, 1550nm Transmitter, FTTH Node

## 光缆分纤箱

### Fiber Optical Distribution Box

#### Model: JP-FODB-2FO

##### 2芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP55
- \* Mounting Method: Wall / Pole
- \* Max Capacity: 2pcs sc adapter, can be installed 1pcs 1x2 PLC splitter
- \* Cable Port: 1 - Max  $\Phi$ 10MM Cable

- \* 材质: PC+ABS
- \* 防水等级: IP55
- \* 安装方式: 壁挂, 抱杆
- \* 最大容量: 2个SC适配器, 可安装1个1x2微型光分
- \* 缆口直径: 一个光缆口, 可安装1根最大 $\Phi$ 10mm的光缆

#### Model: JP-FODB-4FO

##### 4芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall
- \* Max Capacity: 4pcs SC adapter, 4FO(Bunchy)
- \* Cable Port: 2 - Max  $\Phi$ 12MM Cable

- \* 材质: PC+ABS
- \* 防水等级: IP55
- \* 安装方式: 壁挂
- \* 最大容量: 4个SC适配器, 可安装4芯束状
- \* 缆口直径: 2个PG头,  $\Phi$ 12mm的光缆

#### Model: JP-FODB-8FO

##### 8芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall
- \* Max Capacity: 8pcs SC adapter, can be installed 1pcs 1x8 PLC splitter
- \* Cable Port: 1 - Max  $\Phi$ 8MM mid-span Cable

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂
- \* 最大容量: 8个SC适配器, 可安装1个1x8微型光分
- \* 缆口直径: 一个直通孔, 最大 $\Phi$ 8mm的光缆

#### Model: JP-FODB-8FO

##### 8芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP55
- \* Mounting Method: Wall / Pole
- \* Max Capacity: 8pcs SC adapter, 8F (Bunchy)
- \* Cable Port: 1 - Max  $\Phi$ 12MM Cable

- \* 材质: PC+ABS
- \* 防水等级: IP55
- \* 安装方式: 壁挂, 抱杆
- \* 最大容量: 8个SC适配器, 8芯束装
- \* 缆口直径: 一个光缆口, 可安装1根最大 $\Phi$ 12mm的光缆

Model: JP-FODB-8FO

8芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall / Pole
- \* Max Capacity:  
8pcs SC adapter, can be installed  
1pcs 1x8 PLC splitter
- \* Cable Port: 2 or 3- Max  $\Phi$  12MM Cable
- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂, 抱杆
- \* 最大容量: 8个SC适配器, 可安装1个1x8微型光分
- \* 缆口直径:  
2或3个光缆口, 可安装2 或者3根最大 $\Phi$  12mm的光缆

Model: JP-FODB-16FO

16芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall / Pole
- \* Max Capacity:  
8pcs MINI SC adapter, can be installed 5pcs 1x8 PLC splitter  
16pcs MINI SC adapter, can be installed 5pcs 1x8 PLC splitter  
24pcs SC adapter, can installed 1pcs 1x8 or 2pcs 1x16 Splitter  
24pcs SC adapter, can be installed 5pcs 1x8 PLC splitter
- \* Cable Port: 1 - Max  $\Phi$  16MM Cable, 1-Max  $\Phi$  16MM mid span Cable
- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂, 抱杆
- \* 最大容量:  
8个防水适配器, 可安装5个1x8微型光分  
16个防水适配器, 可安装5个1x8微型光分  
24个SC适配器, 可安装1个1x8微型光分和2个1x16微型光分  
16个SC适配器, 可安装5个1x8微型光分
- \* 缆口直径: 一个直通口和一个PG头, 最大 $\Phi$  16mm的光缆

Model: JP-FODB-12FO

12芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall / Pole
- \* Max Capacity:  
12pcs SC adapter,  
can be installed 1pcs 1x8 PLC splitter  
or installed 1pcs 1x8 plug-in PLC splitter
- \* Cable Port: 1- Max  $\Phi$  12MM mid-span Cable
- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂, 抱杆
- \* 最大容量:  
12个SC适配器, 可安装1个1x8微型光分或1个插片式分路器
- \* 缆口直径:  
1个直通光缆进出口, 可安装1根最大 $\Phi$  12mm的光缆

Model: JP-FODB-16FO

16芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall
- \* Max Capacity:  
16pcs SC adapter, it can be installed 2pcs 1x8 PLC splitter
- \* Cable Port: 1 - Max  $\Phi$  8MM mid span Cable
- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂
- \* 最大容量:  
16个SC无耳适配器, 可安装2个1x8微型光分
- \* 缆口直径: 一个直通口, 最大 $\Phi$  8mm的光缆

Model: JP-FODB-16FO

16芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall / Pole
- \* Max Capacity:  
16pcs SC adapter,  
can be installed 2pcs 1x8 or 1pcs 1x6 PLC splitter  
2 trayx12F
- \* Cable Port: Indoor 2x3mm drop cable and outdoor  
figure-8 self-supporting drop cable

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂, 抱杆
- \* 最大容量:  
16个SC适配器,  
可安装1个1x16微型光分或2个1x8微型光分

Model: JP-FODB-16FO

16芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall / Pole
- \* Max Capacity:  
16pcs SC adapter, can be installed 3pcs 1x8PLC splitter  
It can be installed 1pcs 1x16 or 2pcs 1x8 cassette splitter
- \* Cable Port:  
2 - Max  $\Phi$  12MM Cable, 1-Max  $\Phi$  12MM mid span Cable

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂, 抱杆
- \* 最大容量: 16个SC适配器, 可安装3个1x8微型光分  
可安装一个1x16 插片式光分
- \* 缆口直径: 2个PG头, 一个直通孔,  $\Phi$ 12mm的光缆

Model: JP-FODB-16FO

16芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall / Pole / Aerial
- \* Max Capacity:  
16pcs SC adapter,  
can be installed 2pcs 1x8 or 1pcs 1x6 PLC splitter  
can be installed 1pcs plug-in PLC splitter
- \* Cable Port: 2-Max  $\Phi$  12MM Cable

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂, 抱杆, 架空
- \* 最大容量:  
16个SC适配器,  
可安装1个1x16微型光分或2个1x8微型光分  
可安装1个插片式光分
- \* 缆口直径: 2个光缆口或1个直通光缆进出口, 2根最大 $\Phi$  12MM Cable

Model: JP-FODB-16FO

16芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall / Pole
- \* Max Capacity:  
16pcs SC adapter, can be installed 3pcs 1x8PLC splitter  
It can be installed 1pcs 1x16 or 2pcs 1x8 cassette splitter
- \* Cable Port:  
2 - Max  $\Phi$  12MM Cable, 1-Max  $\Phi$  12MM mid span Cable

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂, 抱杆
- \* 最大容量: 16个SC适配器, 可安装3个1x8微型光分  
可安装一个1x16 插片式光分
- \* 缆口直径: 2个PG头, 一个直通孔,  $\Phi$ 12mm的光缆

Model: JP-FODB-24FO

24芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall
- \* Max Capacity: 24pcs SC adapter, 96FO
- \* Splice Trays: 4 (4x24 fibre)

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂
- \* 最大容量: 96芯
- \* 熔纤盘: 4个 (4x24芯)

Model: JP-FODB-48FO

48芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP55
- \* Mounting Method: Wall
- \* Max Capacity: 48pcs SC adapter, can be installed with 6pcs 1x8 PLC splitter
- \* Cable Port: 2-Max  $\Phi$  16MM Cable,  
1-Max  $\Phi$  16MM mid span Cable

- \* 材质: PC+ABS
- \* 防水等级: IP55
- \* 安装方式: 壁挂
- \* 最大容量: 48个SC适配器, 可安装6个1x8微分
- \* 缆口直径: 两个光缆口和一个直通孔,最大光缆 $\Phi$ 16MM

Model: JP-FODB-8/16FO

8/16芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall, Pole, Aerial
- \* Max Capacity:  
16pcs SC adapter, can be installed with 2pcs 1x8 PLC splitter  
16pcs MINI SC adapter, can be installed with 2pcs 1x8 PLC splitter
- \* Cable Port: 1-Max  $\Phi$  16MM Cable, 1-Max  $\Phi$  16MM mid span Cable

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂,抱杆,架空
- \* 最大容量:  
16个SC适配器, 可安装2个1x8微型光分路器  
16个防水适配器, 可安装2个1x8微型光分路器
- \* 缆口直径: 一个直通孔, 一个PG头, 光缆最大 $\Phi$ 16MM

Model: JP-FODB-8FO

8芯光缆分纤箱



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall
- \* Max Capacity:  
8pcs SC adapter, can be installed with 1x4, 1x8 PLC splitter
- \* Cable Port: 2-Max  $\Phi$  8MM Cable

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂
- \* 最大容量: 8个SC无耳适配器, 可安装1x4, 1x8微型光分路器
- \* 缆口直径: 一个直通孔, 光缆最大 $\Phi$ 8MM

## 光缆接头盒

### Fiber Optical Splice Closure

#### Model: JP-FOSC-96F

##### 96芯光缆接头盒



- \* Material: PP+GF
- \* Protection Level: IP68
- \* Mounting Method: Wall, Pole, Aerial
- \* Max Capacity: 96F(Bunchy), 24pcs SC adapter
- \* Cable Port: 16pcs 2\*3mm drop cable  
2-Max  $\Phi$  18MM Cable, 1-Max  $\Phi$  16MM mid span Cable
- \* 材质: PP+GF
- \* 防水等级: IP68
- \* 安装方式: 壁挂,抱杆, 架空
- \* 最大容量: 96芯束状光缆,可安装24个SC 适配器
- \* 缆口直径: 2个直通孔,光缆最大 $\Phi$  16MM; 16个2x3mm皮线口

#### Model: JP-FOSC-8F

##### 8芯光缆接头盒



- \* Material: PP+GF
- \* Protection Level: IP68
- \* Mounting Method: Wall, Pole, Aerial
- \* Max Capacity:  
8pcs SC adapter, can be installed 1pcs 1x8 PLC splitter
- \* Cable Port: 1-Max  $\Phi$  8-10MM mid span Cable
- \* 材质: PP+GF
- \* 防水等级: IP68
- \* 安装方式: 壁挂,抱杆, 架空
- \* 最大容量: 8个SC 适配器, 可安装1个1x8 微分分路器
- \* 缆口直径: 1个直通孔,光缆最大 $\Phi$  8-10MM

#### Model: JP-FOSC-16F

##### 16芯光缆接头盒



- \* Material: PP+GF
- \* Protection Level: IP65
- \* Mounting Method: Aerial
- \* Max Capacity:  
18pcs SC adapter, can be installed 2pcs 1x8 PLC splitter  
and 1pcs 1x16 PLC splitter  
can be installed with 1x8 cassette PLC splitter  
can be installed with 1x16 cassette PLC splitter  
96F(Bunchy)
- \* Cable Port:  
2-Max  $\Phi$  12MM mid span cable  
1-Max  $\Phi$  16MM mid span cable



- \* 材质: PP+GF
- \* 防水等级: IP65
- \* 安装方式: 架空
- \* 最大容量:  
18个SC 适配器, 可安装2个1x8 微分分路器和1个1x16微分  
可安装1个1x8 插片式光分  
可安装1个1x16 插片式光分  
可纯熔接96芯
- \* 缆口直径: 3个直通孔, 小孔光缆最大 $\Phi$  8MM  
大孔光缆最大 $\Phi$  16MM

Model: JP-FOSC-8F

8芯光缆接头盒



- \* Material: PP+GF
- \* Protection Level: IP68
- \* Mounting Method: Wall, Pole, Aerial
- \* Max Capacity:  
8pcs SC adapter, can be installed with 3pcs 1x8 PLC splitter
- \* Cable Port: 2-Max  $\Phi$ 8-10MM mid span Cable

- \* 材质: PP+GF
- \* 防水等级: IP68
- \* 安装方式: 壁挂,抱杆, 架空
- \* 最大容量:  
8个SC适配器, 可安装3个1x8 微型光分路器
- \* 缆口直径: 2个直通孔, 光缆最大 $\Phi$ 8-10MM

Model: JP-FOSC-256F

256芯光缆接头盒



- \* Material: PC+ABS
- \* Protection Level: IP65
- \* Mounting Method: Wall
- \* Max Capacity: 256FO
- \* Cable Port: 2-Max  $\Phi$ 22MM Cable

- \* 材质: PC+ABS
- \* 防水等级: IP65
- \* 安装方式: 壁挂
- \* 最大容量: 256芯束状光缆
- \* 缆口直径: 2个直通孔,光缆最大 $\Phi$ 22MM

Model: JP-FOSC-16F

16芯光缆接头盒



- \* Material: PP+GF
- \* Protection Level: IP68
- \* Mounting Method: Wall, Pole, Aerial
- \* Max Capacity:  
16pcs SC adapter, can be installed with 2pcs 1x8 PLC splitter
- \* Cable Port: 2-Max  $\Phi$ 8-10MM mid span Cable

- \* 材质: PP+GF
- \* 防水等级: IP68
- \* 安装方式: 壁挂,抱杆, 架空
- \* 最大容量:  
16个SC适配器, 可安装2个1x8 微型光分路器
- \* 缆口直径: 2个直通孔, 光缆最大 $\Phi$ 8-10MM

Model: JP-FOSC-288F

288芯光缆接头盒



- \* Material: PP+GF
- \* Protection Level: IP68
- \* Mounting Method: Aerial, Wall, Pole, Underground
- \* Max Capacity: 288FO
- \* Cable Port: 6-Max  $\Phi$ 22MM Cable  
1-Max  $\Phi$ 22MM mid span Cable

- \* 材质: PP+GF
- \* 防水等级: IP68
- \* 安装方式: 架空, 壁挂, 抱杆, 直埋
- \* 最大容量: 288芯束状光缆
- \* 缆口直径: 6个直通孔,光缆最大 $\Phi$ 22MM  
1个不断缆口,最大可安装 $\Phi$ 22MM的直通光缆



## 光纤面板

### Fiber Optical Rosette Box

Model: JP-FORB-4F

4芯光纤面板盒



- \* Material: PC+ABS
  - \* Protection Level: IP65
  - \* Mounting Method: Wall
  - \* Max Capacity: 4F(Bunchy)
- \* 材质: PC+ABS
  - \* 防水等级: IP65
  - \* 安装方式: 壁挂
  - \* 最大容量: 4芯 皮线光缆

Model: JP-FORB-2F

2芯光纤面板盒



- \* Material: PC+ABS
  - \* Protection Level: IP65
  - \* Mounting Method: Wall
  - \* Max Capacity: 2F(Bunchy)
- \* 材质: PC+ABS
  - \* 防水等级: IP65
  - \* 安装方式: 壁挂
  - \* 最大容量: 2芯 皮线光缆

## 皮线光缆

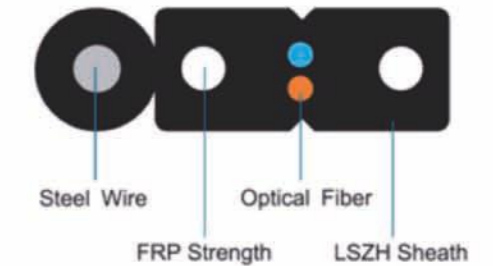
### FTTH Optical Drop Cable

FTTH Bow-Type Fiber Optical Drop Cable

FTTH用 皮线光缆

\* Characteristics:

1. The optical fiber unit is positioned in the centre.
2. Two parallel Fiber Reinforced Plastic(FRP) are placed at the two sides, then the cable is completed with a black or color LSZH sheath.
3. Two FRP strength members ensure good performance of crush resistance to protect the fiber.
4. Easily trip and splice, simplify the installation and maintenance.
5. Single steel wire as the additional strength member ensures good performance of tensile strength.
6. Operation Temperature: -20°C ~ 60°C
7. Indoor or Outdoor cable distribution.
8. Fiber Count: 1, 2, 4 core.
9. Fiber Type: G652D, G657A1, G657A2.



| Cable structure ↴ |                       |
|-------------------|-----------------------|
| Structure ↴       | GJYXFH ↴              |
| Strength member ↴ | FRP(0.5mm) ↴          |
| Fiber Type ↴      | G.657A1 ↴             |
| Cable sheath ↴    |                       |
| Dimension ↴       | 5.0*2.0mm ↴           |
| Form ↴            | Bow-type Drop Cable ↴ |
| Material ↴        | LSZH ↴                |
| Thickness ↴       | ≥0.4mm ↴              |
| External color ↴  | Black ↴               |
| Fiber sleeve ↴    |                       |
| Diameter ↴        | 250 um ↴              |
| Structure ↴       | Color coated fiber ↴  |
| Color ↴           | Blue/Blue Green ↴     |
| ↴                 |                       |

## 光缆防水尾缆

### Fiber Optic Cables G657A2 Aerial Drop Cable with Pre-connector



#### \*Application

FTTX facilities in vertical or horizontal construction projects.

#### \*Technical Datasheet

|                       |   |
|-----------------------|---|
| Use                   | fttx  |
| Warranty Time         | 12 months   |
| Single-Mode Fiber     | G657A1  |
| No. of Fiber          | 1.  |
| Product name          | mini sc waterproof connector fiber optic patch cord |
| Connector             | IP67 mini sc waterproof connector                   |
| Cable Diameter        | 3.0mm, 5.0mm, 7.0mm                                 |
| Application           | FTTA  |
| Material              | LSZH  |
| Insertion Loss        | ≤0.3dB  |
| Return Loss           | ≥60 dB  |
| Operating temperature | -40~85°C  |

## 自承式架空光缆

### Self-Supporting Aerial Optical Fiber Cable



#### \*Technical Characteristics

| 项目 Item                                 | 型号 Type       | GYFTC8S                              | GYTC8S    | GYXTC8S   |
|---|---------------|--------------------------------------|-----------|-----------|
| 光缆芯数 Fiber Count                        |               | 2~144                                | 2~144     | 2~12      |
| 参考外径 Reference Outer Diameter (mm)      |               | 9.8 ~ 16.2                           | 9.8~ 16.2 | 7.6       |
| 光缆重量 Cable Weight (kg/km)               |               | 180~260                              | 180~260   | 130       |
| 拉伸力 Tensile Strength (N)                | 短暂 Short Term | 2000~7000                            | 2000~7000 | 1500~4000 |
|   | 长期 Long Term  | 1000                                 | 1000      | 1000      |
| 压扁力 Crush Resistance Strength (N/100mm) | 短暂 Short Term | 1000                                 | 1000      | 300       |
|   | 长期 Long Term  | 300                                  | 300       | 100       |
| 最小弯曲半径 min Bending Radius (mm)          | 动态 Dynamic    | 20D                                  | 20D       | 20D       |
|   | 静态 Static     | 10D                                  | 10D       | 10D       |
| 衰减指标 Attenuation (dB/km)                |               | ≤0.36dB/km@1310nm; ≤0.22dB/km@1550nm |           |           |
| 使用温度范围 Operation Temperature (°C)       |               | -40°C ~ +70°C                        |           |           |

#### \*Application

Adopted to short or long distance communication and telecommunicatoion system.

## ADSS光缆

### All Dielectric Self-Supporting Optical Fiber Cable

#### \*Application

Adopted to the communication environment with high-voltage transportation network, lightning-prone areas and large span by the laying method of aerial.

#### \*Characteristics

1. Good mechanical and temperature performance.
2. Excellent AT performance.
3. Aramid yarn as strength making cable have excellent tensile strength performance.
4. Large span lengths and the largest span is over 1000M.  
Can be installed without shutting off the power.
5. The design life span is over 30 years.

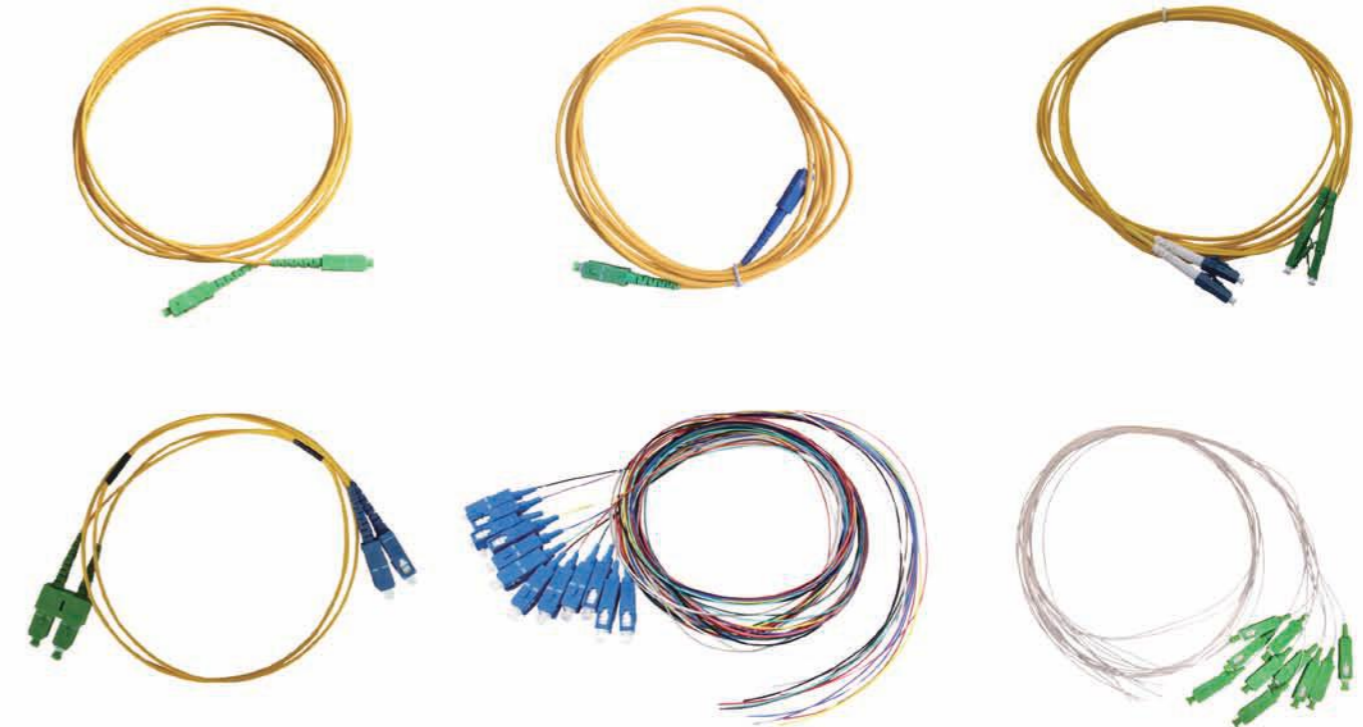
|                                |            |     |
|--------------------------------|------------|-----|
| 光缆芯数 Fiber Count               | 2-144      |     |
| 跨距 Span m                      | 50-1000    |     |
| 标称弧度 Nominal Radian %          | 1-3        |     |
| 标称负荷 Nominal Load N            | 800-100000 |     |
| 风速 Wind Speed m/s              | ≤30        |     |
| 光缆外径 Cable Outer Diameter mm   | 10.5-18.0  |     |
| 光缆重量 Cable Weight Kg/km        | 130-260    |     |
| 拉伸力 Tensile Strength (N/100mm) | 2200       |     |
| 最小弯曲半径 min Bending Radius (mm) | 静态 Static  | 15D |
|                                | 动态 Dynamic | 25D |



## 光纤跳线, 光纤尾纤

### Fiber Optical Patch Cord, Fiber Optical Pigtail

\*Application: CATV, FTTH, EDFA equipment, Optical Communication System.



#### \*Technical Characteristics

| Item                        | SM(Single Mode) |        |       |        |      |
|-----------------------------|-----------------|--------|-------|--------|------|
|                             | G652D           | G657A1 |       | G657A2 |      |
| Fiber Cable Type            | G652D           | G657A1 |       | G657A2 |      |
| Fiber Diameter (um)         | 9/125           |        |       |        |      |
| Cable OD (mm)               | 3.0mm, 2.0mm    |        |       |        |      |
| End face Type               | PC              | UPC    | APC   | UPC    | UPC  |
| Typical Insertion Loss (dB) | <0.2            | <0.15  | <0.2  | <0.1   | <0.1 |
| Return Loss (dB)            | >45             | >50    | >60   | /      |      |
| Insert-pull Test (dB)       | <0.2            |        | <0.3  | <0.15  |      |
| Interchangeability (dB)     | <0.1            |        | <0.15 | <0.1   |      |
| Anti-tensile Force (N)      | >70             |        |       |        |      |
| Temperature Range (°C)      | -40~+80         |        |       |        |      |

## 光分路器

### Fiber Optical Splitter

Mini Steel Tube PLC Splitter: 1X2, 1X4, 1X8, 1X16; G657A1; 1M.



Cassette PLC Splitter: 1X2, 1X4, 1X8, 1X16; Plug-in



## 光纤快速连接器

### Fiber Optical Fast Connector



| Parameters            | Value       | Parameters                       | Value          |
|-----------------------|-------------|----------------------------------|----------------|
| Insertion Loss        | ≤ 0.3 dB    | Repeatability (500 Mating Times) | ΔI.L. ≤ 0.3 dB |
| Return Loss           | ≥ 45dB      | Temperature cycle                | ΔI.L. ≤ 0.3 dB |
| Tensile strength      | F>50N       | Vibration test                   | ΔI.L. ≤ 0.3 dB |
| Operating Temperature | -20 ~ +75C° | Flooding test                    | ΔI.L. ≤ 0.3 dB |
| Storage Temperature   | -40 ~ +85C° | Tensile strength                 | F>50N          |

## 光纤放大器

### Fiber Optical Amplifier / PON EDFA WDM / XG-PON EDFA WDM



#### \*Technical Characteristics

| Performance                     | Index | Index |           |           | Supplement  |
|---------------------------------|-------|-------|-----------|-----------|-------------|
|                                 |       | Min.  | Typ.      | Max.      |             |
| CATV operation wavelength       | (nm)  | 1540  |           | 1565      | CATV        |
| OLT pass wavelength             | (nm)  |       | 1310/1490 |           |             |
| CATV pass wavelength loss       | (dB)  |       |           | 0.8       | 1550nm      |
| OLT pass wavelength loss        | (dB)  |       |           | 0.8       | 1310/1490nm |
| CATV input power (Pi)           | (dBm) | -10   |           | +10       |             |
| Number of output ports          | (pcs) | 2     |           | 128       | 32 ports    |
| Each port output power          | (dBm) | 0     |           | 13 ~23dbm | 20dbm       |
| Difference of each output power | (dB)  | -0.5  |           | +0.5      |             |
| Output optical power monitoring | (dB)  |       | -20       |           |             |
| Output power adjustable range   | (dBm) | -3    |           | 0         |             |
| Noise figure                    | (dB)  |       | 4.5       | 5.0       |             |
|                                 |       |       | 5.0       | 6.0       |             |
| Polarization dependence loss    | (dB)  |       |           | 0.3       |             |
| Polarization dependence gain    | (dB)  |       |           | 0.4       |             |
| Polarization mode dispersion    | (ps)  |       |           | 0.3       |             |

Optical feature

# 光发射机

## 1550NM Fiber Optical Transmitter

### External Modulation Type



### \*Technical Datasheet

| Parameter             |                          | Index       | Remarks                          |
|-----------------------|--------------------------|-------------|----------------------------------|
| Optical Parameters    | Wavelength (nm)          | 1550±10     |                                  |
|                       | Output power (dBm)       | 1×3~2×10    |                                  |
|                       | Optical return loss (dB) | ≥60         |                                  |
|                       | Connector type           | SC/APC      | Or FC/APC                        |
| RF parameters         | bandwidth (MHz)          | 47~862/1000 |                                  |
|                       | Input level (dBmV)       | 23±5        | AGC                              |
|                       | Flatness (dB)            | ≤±0.75      | 45~862MHz                        |
|                       | Return loss (dB)         | ≥16         | 45~750MHz                        |
|                       | Input impedance (Ω)      | 75          |                                  |
| Link Parameters       | channels                 | PAL-D/60ch  |                                  |
|                       | CNR (dB)                 | ≥53         | 65Km fiber, Receive0dBm          |
|                       | CTB (dB)                 | ≥65         |                                  |
|                       | CSO (dB)                 | ≥65         |                                  |
|                       | SBS (dBm)                | 13~19       | Step 0.1                         |
| General Parameters    | Net interface            | RJ45, R232  |                                  |
|                       | Power (V)                | 90~265      | Or -48VDC                        |
|                       | Power loss (W)           | ≤50         |                                  |
|                       | Working Temp (°C)        | 0~50        | Automatically shell temp control |
|                       | Storage Temp (°C)        | -20~85      |                                  |
| Working relative Temp | 20%~85%                  |             |                                  |

# 光接收机

## FTTH Optical Node / FTTH Optical Receiver

### Passive / Active

|   | Model      | Specification  | MOQ    | Unit Price FOB                          | Product View |
|---|------------|--|--------|---|--------------|
| Passive FTTH Optical Receiver (NO Power supply) | JP-POR20W  | Input optical power: -12~0dBm<br>Input wavelength: 1100~1650nm<br>RF Frequency Range: 45-1000MHz<br>Output level: ≥68dBμV@-1dBm<br>Receive wavelength:1550nm<br>Pass Wavelength:1310/1490nm<br>WDM Passive optical receiver(O/E)                                   | 200PCS | GPON: 5.7USD/PCS<br>XG-PON: 6.32USD/PCS |              |
|   | JP-POR01W  | Input optical power: -10~0dBm<br>Input wavelength: 1100~1650nm<br>RF Frequency Range: 45-1000MHz<br>Output level: ≥62dBμV@-1dBm<br>GPON(EPON) XG-PON<br>Receive wavelength:1550nm<br>Pass Wavelength:1310/1490nm<br>Pigtail type WDM Passive optical receiver(O/E) | 500PCS | GPON: 5.4USD/PCS<br>XG-PON: 6USD/PCS    |              |
|   | JP-POR01NW | Input optical power: -10~0dBm<br>Input wavelength: 1100~1650nm<br>RF Frequency Range: 45-1000MHz<br>Output level: ≥65dBμV@-1dBm<br>GPON(EPON) XG-PON<br>Receive wavelength:1550nm<br>Pass Wavelength:1310/1490nm   | 300PCS | GPON: 5.4USD/PCS<br>XG-PON: 6USD/PCS    |              |
|   | JP-POR04   | 4 way FTTH passive optical receiver<br>Input optical power: -10~0dBm<br>Input wavelength: 1100~1650nm<br>RF Frequency Range: 45-1000MHz<br>Output level: ≥60dBuV@-1dBm<br>SCAPC  | 300PCS | 3.4USD/PCS                              |              |
|   | JP-POR02   | 2 way FTTH passive optical receiver<br>Input optical power: -10~0dBm<br>Input wavelength: 1100~1650nm<br>RF Frequency Range: 45-1000MHz<br>Output level: ≥62dBuV@-1dBm<br>SCAPC  | 300PCS | 2.7USD/PCS                              |              |
|   | JP-POR01F  | F-female or F-male with filter<br>Input optical power: -15~0dBm<br>Input wavelength: 1100~1650nm<br>RF Frequency Range: 45-1000MHz<br>Receive wavelength:1550nm<br>Pass Wavelength:1310/1490nm<br>Output level: ≥68dBuV@-1dBm                                      | 500PCS | 1.6USD/PCS                              |              |
|   | JP-POR01   | F-female or F-male<br>Input optical power: -15~0dBm<br>Input wavelength: 1100~1650nm<br>RF Frequency Range: 45-1000MHz<br>Output level: ≥68dBuV@-1dBm  | 500PCS | 1.5USD/PCS                              |              |

|   |           |   |        |                                       |  |
|---|-----------|---|--------|---------------------------------------|--|
| <b>Active<br/>FTTH Optical Receiver</b> | JP-AOR10  | 1 port, with AGC<br>Receive Optical Power: $-18\sim+3$ / $-10\sim 0$ (AGC)<br>Receive Wavelength: 1100~1650nm<br>Frequency Range: 45~1000Mhz<br>Output Level: $\geq 80\text{dB}\mu\text{V}$<br>5V power supply  | 200PCS | 7.1USD/PCS                            |   |
|   | JP-AOR10F | 1 port, with filter<br>Receive Optical Power: $-18\sim+3$ / $-10\sim 0$ (AGC)<br>Receive Wavelength: 1550±20nm<br>Frequency Range: 45~1000Mhz<br>Output Level: $\geq 80\text{dB}\mu\text{V}$<br>5V power supply   | 200PCS | 7.2USD/PCS                            |   |
|   | JP-AOR12  | 2 port, with AGC<br>Receive Optical Power: $-18\sim+3$ / $-10\sim 0$ (AGC)<br>Receive Wavelength: 1100~1650nm<br>Frequency Range: 45~1000Mhz<br>Output Level: $\geq 80\text{dB}\mu\text{V}$<br>5V power supply  | 200PCS | 7.52USD/PCS                           |   |
|   | JP-AOR12F | 2 port<br>Receive Optical Power: $-18\sim+3$ / $-10\sim 0$ (AGC)<br>Receive Wavelength: 1550±20nm<br>Frequency Range: 45~1000Mhz<br>Output Level: $\geq 80\text{dB}\mu\text{V}$<br>5V power supply  | 200PCS | 7.7USD/PCS                            |   |
|   | JP-AOR10W | with WDM<br>Receive Optical Power: $-18\sim+3$ / $-10\sim 0$ (AGC)<br>Input Wavelength: 1100~1650nm<br>Receive Wavelength: 1550nm<br>Pass Wavelength: 1310/1490(PON)<br>Frequency Range: 45~1000Mhz<br>Output Level: $\geq 80\text{dB}\mu\text{V}$<br>5V power supply | 200PCS | GPON: 9USD/PCS<br>XG-PON: 9.62USD/PCS |  |

## 野外光接收机

### Outdoor Optical Receiver: 2 / 4 Outputs



| Index                    | JP4GOR  |
|--------------------------|---|
| Wavelength               | 1100-1600nm   |
| Optical input power      | -8dBm~+2dBm   |
| AGC control range        | -8dBm~+2dBm   |
| Optical return loss      | >45dB   |
| Optical connector        | FC/APC&SC/APC   |
| Bandwidth                | 40~750&862&1006MHz  |
| Flatness                 | $\pm 0.75\text{dB}@40\text{-}750\text{MHz}$ $\pm 1\text{dB}@40\text{-}860\&1000\text{MHz}$        |
| Output return loss       | $\geq 16\text{dB}@40\text{-}550\text{MHz}$ $\geq 14\text{dB}@550\text{-}750\&860\&1000\text{MHz}$ |
| Gain adjustable range    | 0-30dB  |
| Slope adjustable range   | 0-18dB  |
| Impedance                | 75Ω   |
| CN(note 3)               | $\geq 51\text{dB}$  |
| CTB(note 3)              | $\geq 65\text{dB}$  |
| CSO(note 3)              | $\geq 62\text{dB}$  |
| Return path wavelength   | 1310nm&1550nm   |
| Return path bandwidth    | 5-30MHz&42MHz&65MHz(max:200MHz)   |
| Return path output power | 1&2@1310nm or customize   |
| Return path flatness     | $\pm 0.75\text{dB}$   |
| Power supply             | AC35-AC90V&AC140V~265V or customize   |
| Power supply way         | 220V@Chinese Outlet with 1m power cord<br>60V@G283 independent power supply port                  |
| Mainboard voltage        | +24V&+8V  |