

Fiber Optic Splice Protect Sleeves

Focus Infra offers a wide selection of Fiber Optic Splice Protect Sleeves to meet any application. The Single Fiber Protection Series is the industry standard for durable and lasting protection of single fiber splices in field installation. Mainly used in fiber optic closures, fiber optic terminal boxes, ODF boxes, broadband network boxes, cable junction boxes ect. For communication products welding, special designed for FTTH/ FTTX project.

Single Fiber Splice Sleeves



Standard Quality Side Shrink



Colored Side Shrink Type



High Quality Full Shrink



FTTH Cable Joint Sleeves

Application:
FTTH Drop Cable Joint

Big inner hole
Easy to installation

Standard Length:
40mm, 45mm, 60mm
Custom length available



Mini Fiber Optic Sleeves

Application:
250 μ m to 900 μ m fiber.

O.D after shrink:
1.2mm-1.6mm

Length : 15mm, 18mm,
20mm, 25mm, 30mm,
35mm, 40mm.



Ribbon Fiber Optic Sleeves

Application: Ribbon Fiber
4 cores, 8 cores, 12 cores.

Rod Quality:
Ceramic Rod & Quartz Rod.

光纤活动连接器 Optical Fiber Connector

产品描述

The product description

光纤活动连接器俗称光纤跳线,用于光纤与光纤之间灵活对接时又能任意拆卸的光通信器件。按接口形式可分为FC、SC、ST、LC、MU、E2000、MTRJ、MPO等型号,端面可为UPC、PC、APC接触方式,按光缆模式可分为单模和多模光纤活动连接器。

Optical fibre connector is commonly known as fiber optic patchcord, flexible used in connecting optical fiber between optical fiber or removal while needed. Interface can be the form of the FC, SC, ST, LC, MU, E2000, MTRJ, MPO, etc., The contact face can be UPC, PC, APC polishing. The fiber can be single mode and multimode.

应用场合 Applications

长距离光纤通信系统 Long Distance Optical Communication System
 光纤测试系统 Optical Testing System
 LAN 和 MAN LAN and MAN
 CATV 系统 CATV System
 数字通信系统 Digital Communication System
 FTTx 系统 FTTx System

技术指标 Specification

项目 Item	插入损耗(IL) Insertion Loss		回波损耗(RL) Return Loss		重复性 Repeatability	互换性 Changeability	插拔次数 Push-pull	工作环境 Environments
	单模(SM)	多模(MM)	单模(SM)	多模(MM)	单模(SM)/多模(MM)			
UPC	≤0.25dB	≤0.20dB	≥50dB	≥35dB	≤0.1dB	≤0.2dB	≥500	-40—+85℃
PC	≤0.3 dB	≤0.20dB	≥45dB	≥35dB	≤0.1dB	≤0.2dB	≥500	
APC	≤0.3 dB	≤0.20dB	≥60dB	≥35dB	≤0.1dB	≤0.2dB	≥500	



0.9SC/APC



FC/UPC-FC/UPC



FC/UPC-LC/PC



LC/UPC-LC/UPC



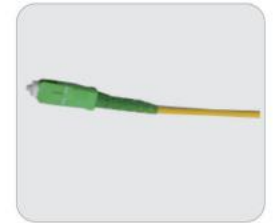
SC/UPC-FC/UPC



SC/UPC-SC/UPC



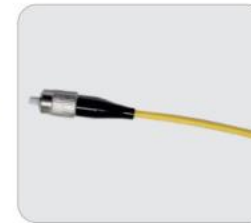
FC/APC-SC/APC



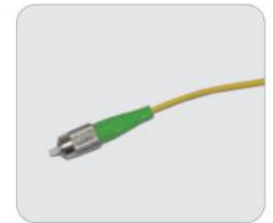
SC/APC



SC/UPC



FC/PC



FC/APC



LC/UPC



MU



MTRJ

铠装跳线 Armored Optical Fiber Connector

▶▶▶ 产品描述

The product description

不锈钢软管保护, 具有耐侧压强 ($P \geq 300\text{KG}/100\text{mm}$), 弯折直径 ($D \geq 20\text{mm}$), 抗拉强度高 ($I \geq 20\text{KG}$), 柔软性好, 且直径与普通跳线相当, 节省空间。当外力作用于铠装光纤跳线时刻避免光纤产生应力, 得以保护光路系统的稳定性, 可如同电线般轻松使用, 适用于各种恶劣环境。

Armored by stainless steel, pressure resistance ($P \geq 300\text{ kg} / 100\text{ mm}$), bending diameter ($D \geq 20\text{ mm}$) and high tensile strength ($I \geq 20\text{ kg}$), good flexibility, and equal diameter to common connector, save working space. When the external force acts on the armored fiber-optic connector the armored layer avoid fiber produced stress, so to protect the stability of the fiber line system, can be easy to use just like the wire, suitable for all kinds of bad environment.

▶▶▶ 应用场合 Applications

国防通信、温度感测、FTTH楼宇布线、地铁系统、隧道应用、大型电站、光纤温度传感系统、光纤通信设备、楼宇智能控制、局域网、电力控制系统、地铁系统、建筑施工、高速公路施工。

Defense communications, temperature sensor, FTTH building wiring, the subway system, tunnel system, the optical fiber temperature sensor system, fiber optic communications equipment, intelligent building control, local area network, electricity control system, the subway system, large power stations, building construction, highway construction.

▶▶▶ 技术指标 Specification

Item	插入损耗(IL) Insertion Loss	回波损耗(RL) Return Loss	抗拉强度(N) Tensile Strength	抗压强度(N/50mm) Compressive strength	重复性 Repeatability	互换性 Changeability	插拔次数 Push-pull	工作环境 Environments
UPC	$\leq 0.25\text{dB}$	$\geq 50\text{dB}$	150	2000	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	-40—+85°C
PC	$\leq 0.3\text{ dB}$	$\geq 45\text{dB}$	150	2000	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	
APC	$\leq 0.3\text{ dB}$	$\geq 60\text{dB}$	150	2000	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	



带和束状光纤活动连接器 Ribbon Or Bundle Optical Fiber Connector

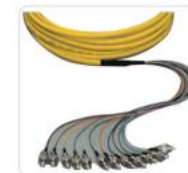
▶▶▶ 产品特征

The product description

低插入损耗 Low Insertion Loss 高回波损耗 High Return Loss
 良好的互换性和重复性 Good Interchangeability and Repeatability 高可靠性 High Reliability

▶▶▶ 技术指标 Specification

项目 Item	插入损耗(IL) Insertion Loss	回波损耗(RL) Return Loss	重复性 Repeatability	互换性 Changeability	插拔次数 Push-pull	工作环境 Environments
UPC	$\leq 0.25\text{dB}$	$\geq 50\text{dB}$	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	-40—+85°C
PC	$\leq 0.3\text{ dB}$	$\geq 45\text{dB}$	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	
APC	$\leq 0.3\text{ dB}$	$\geq 60\text{dB}$	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	



防水尾缆 Waterproof Pigtail

▶▶▶ 产品特征 Product Features

适合各种连接器 Adapt to all type of connector
 用于户外环境, 实现干线光缆与光端机的连接 Well water proof and used in outdoor environments
 防水性能良好 The perfect waterproof properties
 便于安装, 性能可靠 Easily mounted and high reliability

▶▶▶ 产品应用 Applications

长距离光通信系统 Long Distance Optical Communication System
 光测试系统 Optical Testing System
 LAN 和 MAN LAN and MAN
 CATV 系统 CATV system
 数字通信系统 Digital Communication System



▶▶▶ 技术指标 Specification

项目 Item	插入损耗(IL) Insertion Loss	回波损耗(RL) Return Loss	重复性 Repeatability	互换性 Changeability	插拔次数 Push-pull	抗拉强度 Tensile strength	工作环境 Environments
UPC	$\leq 0.25\text{dB}$	$\geq 50\text{dB}$	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	$\geq 1000\text{N}$	-40—+85°C
PC	$\leq 0.3\text{ dB}$	$\geq 45\text{dB}$	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	$\geq 1000\text{N}$	
APC	$\leq 0.3\text{ dB}$	$\geq 60\text{dB}$	$\leq 0.1\text{dB}$	$\leq 0.2\text{dB}$	≥ 500	$\geq 1000\text{N}$	

预制成端光缆组件:皮线跳线

Pre-terminated optical cable assemblies: Bow_type optical fiber connector

▶▶▶ 产品描述

The product description

预制成端光缆组件俗称皮线跳线,是在皮线光缆两端安装连接头,经过研磨抛光后形成的连接器,实现光纤与终端设备的活动连接。根据光缆性能,布线方式可为线槽、走线架、管道和架空等,产品符合YD/T-1997.3预制成端光缆组件标准要求。

Pre-terminated optical cable assemblies known as Bow_type optical fiber connector, is with connectors on both ends of the Bow_type optical fiber. According to optical cable line properties, wiring line can be slot, line rack, pipe and overhead, etc., products comply with YD/T-1997.3 standard

▶▶▶ 应用场合 Applications

CATV 系统CATV System
 数字通信系统数字通信系统
 FTTx系统 FTTx System
 光纤接入网Optical fiber access network
 综合布线系统Integrated wiring system



▶▶▶ 技术指标 Specification

项目 Item	插入损耗(IL) Insertion Loss	回波损耗(RL) ReturnLoss	重复性 Repeatability	互换性 Changeability	插拔次数 Push-pull	工作环境 Environments
UPC	≤0.25dB	≥50dB	≤0.1dB	≤0.2dB	≥500	-40—+85°C
PC	≤0.3 dB	≥45dB	≤0.1dB	≤0.2dB	≥500	
APC	≤0.3 dB	≥60dB	≤0.1dB	≤0.2dB	≥500	

▶▶▶ 产品规格 Product model

接口形式 Connector	端面形式 Polishing type	芯数 Fiber No.	光缆型号 Fiber type	光缆颜色 Cable color	长度(m) length
FC	PC/UPC/APC	1/2/4芯core	G657	白色/黑色 White/Black	1-300
SC	PC/UPC/APC	1/2/4芯core	G657		
ST	PC/UPC/APC	1/2/4芯core	G657		
LC	PC/UPC/APC	1/2/4芯core	G657		

MPO光纤活动连接器

MPO Optical Fiber Connector

▶▶▶ 产品描述

The product description

MPO连接器是光纤连接器类型的一种, MPO (Multi Push On) 是一种多芯光纤连接器类型,被IEEE标准所采纳作为40G/100G传输的连接器类型一种。通常将12芯光纤排为一列,可支持一列或多列光纤在同一个MPO连接器内。

MPO (Multi Push On) is a kind of multi fiber optical fiber connector, was adopted by the IEEE standard for 40G / 100G transmission standard. Usually 12 fibers as a column, can support one or more columns fiber within the same MPO connector.

▶▶▶ 产品特征 Product Features

体积小, 光纤芯数多, 密度大 Small size, multiple optical fiber, high density
 便于管理光纤线路 To facilitate management of optical fiber route
 定位精度要求高 High positioning accuracy
 产品有公头和母头之分, 配对使用 Male head and female head, matching to use

▶▶▶ 产品应用 Applications

数据中心的高密度环境 Data center of high fiber density environment
 光纤到大楼 FTTB
 分光器、40G, 100G, QSFP+等光收发设备内部连接 Optical splitter, 40G, 100G, QSFP+ etc. optical transceiver equipment connection.

▶▶▶ 技术指标 Specification

项目 Item	插入损耗(IL) Insertion Loss	回波损耗(RL) ReturnLoss	重复性 Repeatability	互换性 Changeability	插拔次数 Push-pull	工作环境 Environments
UPC	≤0.50dB	≥30dB	≤0.2dB	≤0.2dB	≥500	-40—+85°C
PC	≤0.50 dB	≥40dB	≤0.2dB	≤0.2dB	≥500	
APC	≤0.60 dB	≥50dB	≤0.2dB	≤0.2dB	≥500	



▶▶▶ 产品规格 Product model

端面形式 Polishing type	芯数 fiber No.	接头形式 Connector type	光缆 fiber	长度 length
PC/UPC/APC	4/8/12/24/36芯	公头/母头 Male/Female	单模/多模 SM/MM	客户定制 Customized

拉远光纤连接器

Optical Fiber Connector For Wireless RRU

拉远光纤连接器是一种用于连接远端射频模块 (RRU) 与室内基带处理单元 (BBU) 设备用的插拔锁紧式连接器。

Remote optical fiber connector is used to connect between Remote Radio Unit (RRU) and indoor Baseband unit (BBU) equipment with insertion and locking function.



双芯DXFC-DXLC



双芯PDLC-DXFC



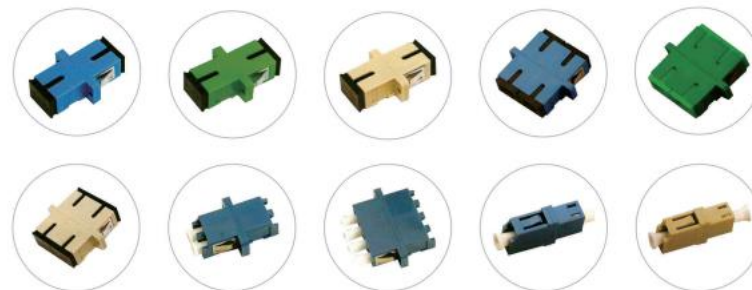
2和4芯室外连接器ODC-2 (4)

▶▶▶ 技术指标 Specification

项目 Item	插入损耗(IL) Insertion Loss	回波损耗(RL) ReturnLoss	重复性 Repeatability	互换性 Changeability	插拔次数 Push-pull	工作环境 Environments
ODC/PC	≤0.70dB	≥45dB	≤0.3dB	≤0.3dB	≥500	-40--+85°C
ODC/UPC	≤0.70dB	≥50dB	≤0.3dB	≤0.3dB	≥500	
PDLC/PC	≤0.35dB	≥45dB	≤0.2dB	≤0.2dB	≥500	
PDLC/UPC	≤0.35dB	≥50dB	≤0.2dB	≤0.2dB	≥500	

适配器

Adapter



PLC光分路器 PLC Splitter

▶▶▶ 产品描述

The product description

PLC平面波导型光分路器(PLC Splitter)是一种基于石英基板的集成波导光功率分配器件,将光网络系统光信号进行耦合、分支、分配,光分路器是光纤链路中最重要的无源器件之一,是具有多个输入端和多个输出端的光纤汇接器件,特别适用于无源光网络EPON, GPON, BPON等系统中连接局端和终端设备并实现光信号的分路功能。

PLC splitters have performance of low insertion loss, low PDL, high return loss, compact design, insensitive wavelength, high stability and reliability, which are used for FTTx projects basing on EPON, GPON, BPON structure. These products meet or exceed Telcordia GR1209/1221. PLC Splitter can supply 5 types appearance products to satisfy the all kinds design.

- 微封型 (A型) Mini splitter (Type A)
- 托盘式 (C型) Pallet splitter (Type C)
- 插片式 (E型) Insert splitter (Type E)
- 模盒型 (B型) Module splitter (Type B)
- 机架式 (D型) Rack splitter (Type D)

▶▶▶ 技术指标 Specification

参数 Parameter	单位 Unit	指标 Specification										
		1x2	1x4	1x8	1x12	1x16	1x24	1x32	1x64	1x128	1x256	
工作带宽 Wavelength	nm	1260~1650										
插入损耗 Insertion Loss	PLC器件 PLC Core	dB	≤3.8	≤7.4	≤10.5	≤12.5	≤13.5	≤15.1	≤16.8	≤20.5	≤24.0	待定Tbd
	插头型 PLC组件 Plug type PLC components	dB	≤4.2	≤7.8	≤10.9	≤12.9	≤13.9	≤15.5	≤17.4	≤21.1	≤24.6	待定Tbd
	适配器型 PLC组件 Adapter type PLC components	dB	≤4.4	≤8.0	≤11.1	≤13.1	≤14.1	≤15.7	≤17.4	≤21.1	≤24.6	待定Tbd
偏振相关损耗PDL	dB	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.5	待定Tbd	
通道均匀性 Uniformity	固定工作波长 Specific Wavelength	dB	≤0.6	≤0.7	≤1.0	≤1.2	≤1.2	≤1.5	≤1.5	≤2.0	≤2.5	待定Tbd
	全工作带宽 All working bandwidth	dB	≤1.1	≤1.2	≤1.5	≤1.7	≤1.7	≤2.0	≤2.0	≤2.5	≤3.0	待定Tbd
回波损耗 RL	PLC器件 PLC Core	dB	≥55									
	PLC组件 PLC Components	dB	≥45(PC Connector) ; ≥50(UPC Connector) ; ≥55 (APC Connector)									
方向性Direction	dB	≥55										
工作温度范围 Operation temperature	°C	-40~+85										



光缆交接箱 Cross Connecting Cabinet

▶▶▶ 产品应用 Application

光缆交接箱主要用于接入网中主干光缆与分配光缆的结点连接，它可应用于室内或室外场合，并具有熔接、配线、测试和储纤功能。

The cross connecting cabinet for optical cable is mainly used for trunk optical cable and distribution optical cable node equipment of fiber access networks, it can be used either outdoors or indoors to implement such functions as welding, distribution, testing and storage.

▶▶▶ 产品特征 Product Features

箱体采用高质量，高强度SMC材质或金属材料制成，耐老化

The cabinet is made of high strength and quality carbon fiber composite or metal material.

材料机械强度高并具防腐作用

High mechanical strength and anti-corrosion

产品寿命可达20年

Service life up to 20 years

结构合理，操作方便

Reasonable structure designed, flexible operating

单元盘采用抽拉式结构，使熔接和配线一体化

The units adopt drawer module, integrate welding and distribution

适用于一般光缆和带状光缆 Available for general cable and ribbon cable

产品分地面基座安装，挂壁式安装和架空安装三种形式 Users can select to configure a base to mount on the ground or wall mounted or aerial mounted

箱门开启角度大于120度

The door opening angle is more than 120 degree

▶▶▶ 性能指标 Performance Index

工作温度 Operation temperature : $-40 \sim +80^{\circ}\text{C}$

相对湿度 Relation Humidity : $\leq 95\%$ (at $+40^{\circ}\text{C}$)

大气压力 Atmospheric pressure : $70\text{Kpa} \sim 106\text{Kpa}$

工作波长 Operation wavelength : $1260\text{nm} \sim 1650\text{nm}$

连接器插入损耗 (包括互换性和重复性) Insertion Loss (Including exchange and repeatability) : $\leq 0.50\text{dB}$

回波损耗 Return Loss : $\geq 45\text{dB}(\text{PC})$, $50\text{dB}(\text{UPC})$, $60\text{dB}(\text{APC})$

绝缘电阻 Insulation resistance : $\geq 2 \times 10^4 \text{M}\Omega/500\text{V}(\text{DC})$

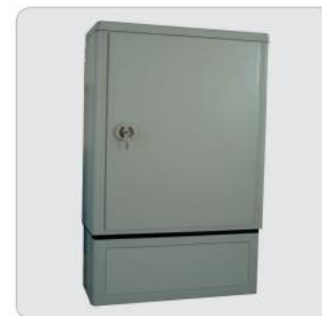
耐电压水平 Dielectric strength : $3000\text{V}(\text{DC})$ 1分钟不击穿，无飞弧 $3000\text{V}(\text{DC})$ for 1 min., no breakdown, no flying arc.

密封性能：符合GB4208中IP65级要求

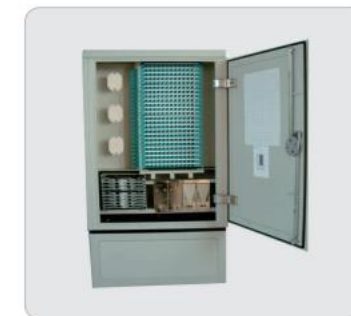
Sealing performance : Meet with the requirement of IP65 in GB4208 standard



144芯金属箱体光缆交接箱 144 fibers stainless steel cabinet



288芯SMC材质光缆交接箱 288 fibers SMC cabinet



72芯SMC材质壁挂式光缆交接箱
72 fibers wall mounted SMC cabinet



144芯SMC材质壁挂式光缆交接箱
144 fibers wall mounted SMC cabinet



144芯免跳光缆交接箱 (A型)
144 fibers jump cable free SMC cabinet (Type A)



144芯免跳光缆交接箱 (B型)
144 fibers jump cable free SMC cabinet (Type B)



288芯免跳光缆交接箱 (A型)
288 fibers jump cable free SMC cabinet (Type A)



288芯免跳光缆交接箱 (B型)
288 fibers jump cable free SMC cabinet (Type B)



288芯免跳光缆交接箱 (C型)
288 fibers jump cable free SMC cabinet (Type C)

光缆接头盒 Optical Cable Joint Closure

▶▶▶ 产品介绍 The product description

GP168系列光缆接头盒是由高强度工程塑料添加抗老化剂经模具注射成形,内部金属件由高强度钢材冲压成形并经氧化处理,外部金属件由优质不锈钢制成,具有耐腐蚀性能。它适用于光缆工程中管道或架空安装等场合。高强度外壳和优良的密封技术使GP168系列型光缆接头盒具有良好的防水和防潮性能,并具有固定光缆、保护光纤连接的作用。GP168系列型光缆接头盒使用特殊的密封材料使其具有密封良好,重复开启容易的特点。本产品符合中华人民共和国通信行业标准TD/T814的要求,并通过了中国泰尔产品认证中心的认证。

GP168 series optical cable joint closure's shell is employed high-intensity engineering plastic and added ageing agent resist to inject moulding. Inner metalworks are made of high grade steel material forming by punched and oxidizing treatment. Outside metalworks are made of stainless steel material with corrosion resistant. It is suitable for pipeline and overhead and vertical installation etc. Strong shell and good sealing technical enable GP168 series optical cable joint closure offering a good damp proof and keeping gas protection and with a function of optical cable fixing and protecting the bare fiber. Special sealing material is used for GP168 series optical cable joint closure to get an excellence sealing and re-open property.

▶▶▶ 产品特征 Product Features

产品设计成可重复开启操作 The design available for re-entry.

壳体采用高强度工程塑料添加抗老化剂的材料 The main body is made up of high strength engineering plastic with age-resister.

主体为高压注射成型 The housing is formed by injection.

外部紧固件全部采用不锈钢材料 Fasteners outside are made by stainless steel.

光纤熔接盘为层叠式结构,使操作变得容易 Splice trays are stacking structure designed. Flexile configuration and ease of installation.

适合普通光缆和带状光缆 Available for general cable and ribbon cable.

密封系统可靠,性能优良,并具有防腐作用 Highly reliable seal system, excellence in performance and anti-corrosion.

工作温度: -40~80°C Operation temperature.

绝缘强度: 金属件之间或金属件与地之间的绝缘电阻大于 10^5 MΩ Insulation resistance: The insulation resistance more than 10^5 MΩ among metals or between metal and earth.

电压特性: 金属件之间或金属件与地之间能耐15KV DC 2分钟不击穿,无飞弧 Voltage property: 15KV DC among metals or between metal and earth for 2 min, the component did not breakdown or without flashover.

产品性能可达到Bellcore GR-771-CORE的要求 The products are compliant with Bellcore GR-771-CORE

GPJ168-M1型

▶▶▶ 技术参数 Specification

尺寸Dimension 440×185×110mm
 最大容量：60芯（束状光缆）Max. Capacity 60 cores（bundle fiber）
 进出口数：4孔 Passage way 4
 最大光缆直径：Ø20 Max. cable diameter Ø20
 最小光缆直径：Ø10 Min. cable diameter Ø10
 产品适用于地理，架空，管道及挂壁安装 Available for duct, Aerial, Direct buried, and wall mounted environments



GPJ168-M2型

▶▶▶ 技术参数 Specification

尺寸Dimension 447×190×120mm
 最大容量Max. Capacity 144 cores（bundle fiber）144芯（束状光缆）
 进出口数 Passage way 4
 最大光缆直径：Ø18.0 Max. cable diameter Ø18.0
 最小光缆直径：Ø6.0 Min. cable diameter Ø6
 产品适用于地理，架空，管道及挂壁安装 Available for duct, Aerial, Direct buried, and wall mounted environments



GPJ168-N1型光缆接头盒

▶▶▶ 技术参数 Specification

尺寸Dimension 535×168×120 mm
 最大容量：96芯（束状）Max. Capacity: 60 cores（bundle cable）288芯（带状）banding cable
 进出口数 Passage way 4
 最大光缆直径Max. cable diameter Ø20
 最小光缆直径Min. cable diameter Ø10
 Available for duct, Aerial, Direct buried, and wall mounted environments 产品适用于地理，架空，管道及挂壁安装



光缆终端盒

Fiber Optic Cable Termination Box

光缆终端盒是用于室内光缆的直熔或分歧，对光纤具有保护和储存功能，容量可为12~72芯。

The fiber optic cable termination box is suitable direct splice or break out splice for indoor fiber optic cable. It has a function of protecting the connector and storing the bare fiber. The capacity of it can be 12~72 fibers.

▶▶▶ 产品特征和应用 Product Features and Applications

产品有多进出口，适用于多根光缆的场合 Multi-entry and multi-exit port for cable
 容纤盘为堆叠式结构，操作方便 The fiber splice organizer trays are overlapped, flexible for operation

适配器和尾纤类型可由用户指定 The type of adaptor and jump cable can be customized
 可壁挂式安装和19英寸标准机架安装 Available for install on wall or 19 inch standard rack
 绝缘电阻：光缆终端盒金属件之间，金属件与地之间的绝缘电阻大于 $2 \times 10^4 \text{M}\Omega$ 。Insulation resistance: The insulation resistance more than $2 \times 10^4 \text{M}\Omega$ among metal works or between metal and earth.

耐电压强度：光缆终端盒金属件之间，金属件与地之间在15KV DC条件下1分钟，不击穿，无飞弧现象。
 Voltage property: 15KV DC among metals or between metal and earth for 1 min, the component did not breakdown or without flashover.

产品金属材料为优质Q235钢，表面静电喷涂处理。All the metal works are high grade Q235 and the surfaces are electrostatic painting

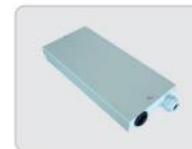
GP188 - A型

尺寸Dimension : 315×127×38mm

进出口数：1个光缆进口孔，1尾纤出口孔

Entrances : 1 entrance for cable in and 1 for outgoing pigtail

容量：最大容量为24芯



GP188 - A1型

尺寸Dimension : 315×127×38mm

进出口数：2个光缆进口孔，12芯适配器出口

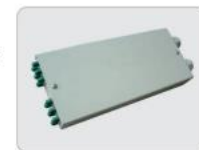
Entrances : 2 entrances for cable in and 12 adapters for output

容量：最大容量为12芯

Capacity : 12 fibers max.

安装方式：挂壁安装

Installing : Wall mounted



皮线接头保护盒

Bow_Type Draw Fiber Optical cable Splice Protect Box



4芯fibers



86面板86 panel



1芯 (方形) 1 fiber(Square)



1芯 (圆形) 1 fiber(Round)

光缆分纤箱

Optical Fiber Distribution Box

光缆分纤箱是用于室外、楼道内或室内连接主干光缆与配线光缆的接口设备，箱体采用SMC材质、复合材料或金属喷塑制作，产品强度高，耐腐蚀，抗紫外线好，防护等级为IP65。内置插片式光分路器插槽，最大可容纳64分路。

Optical fiber distribution box is interface device which is used in outdoor, or corridor or in door that connect the backbone fiber optic cable to distribution cable, the main box made by SMC material, or composite material or coating metal, product with high strength, corrosion resistance, good resistance to ultraviolet radiation, protection grade reaches IP65. Built-in insertion optical splitter slot, can accommodate 64 channel largest.



48芯fiber



8-32芯fibers

光纤配线架、机柜、列头柜 ODF, Cabinet, Array Cabinet

▶▶▶ 技术性能 performance

工作温度 Operation temperature: $-5 \sim +40^{\circ}\text{C}$

相对湿度 Relation Humidity: $\leq (85 \pm 5)\%$ (at $+30^{\circ}\text{C}$)

贮运温度 Storage temperature: $-25 \sim +55^{\circ}\text{C}$

大气压力 Atmospheric pressure: 70Kpa~106Kpa

介电强度 (金属件与地之间) Dielectric strength (between framework and grounding):

$\geq 3000\text{V}$ (DC)

连接器插入损耗 Connector Insertion Loss: $\leq 0.30\text{dB}$

回波损耗 Return Loss: $\geq 45\text{dB}$ (PC), 50dB (UPC), 60dB (APC)

绝缘电阻 (金属件与地之间) Insulation resistance (between framework and grounding):

$\geq 1000\text{M}\Omega / 500\text{V}$ (DC)



▶▶▶ 产品特点 Product characteristics

产品采用优质钢板制作，表面静电喷塑，外形美观 The product is made of high grade steel plate and static spray-plastic, so with cute appearance

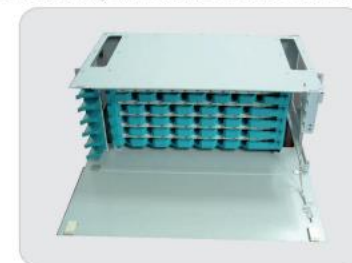
19"标准机架，全下正面操作 19" standard frame, all front operation

采用熔接配线一体化模块，密度高，容量大 Integrated welding and distribution module to be used and with high density and capacity

单元化设计，配置灵活 Modular design allowing flexible configure

具有可靠的光缆固定和接地装置 With reliable cable fixing and grounding device

光纤走线合理，便于管理 Reasonable wiring convenient for fiber management



72芯熔配一体化单元 Welding and distribution unit (72cores)



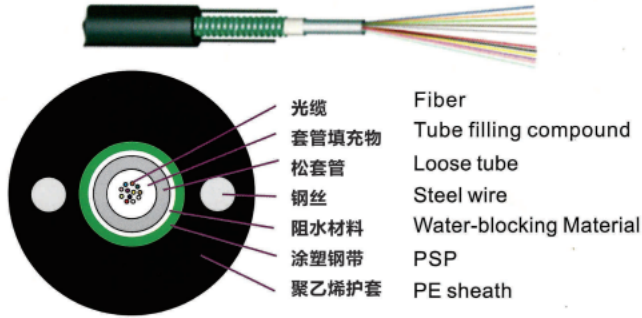
19"综合机柜 19" Cabinet



列头柜 Array Cabinet

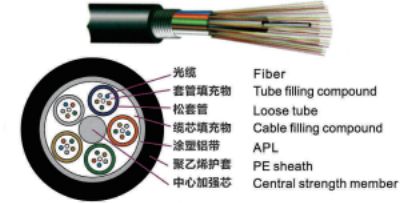
室外光缆 Outdoor Fiber Optic Cable

GYXTW



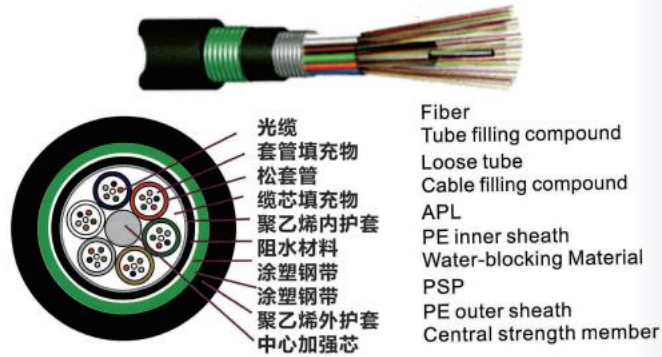
光纜芯數 Fiber count	2~12	14~24
中心束管管徑 (mm) Tube diameter	Φ2.5	Φ3.2
鋼絲外徑 (mm) Steel wire diameter	Φ1.0	Φ1.0
光纜外徑 (mm) Cable diameter	Φ7.6	Φ8.5
光纜重量(kg/km) Weight	67	81
抗伸力 (N) Tensile strength	長期 Long term	600
	短期 Short term	1500
抗壓扁力 (N/100mm) Crush resistance	長期 Long term	300
	短期 Short term	1000
彎曲半徑 (mm) Bending Radius	動態 Dynamic	≥20x光纜外徑 Cable diameter
	靜態 Static	≥10x光纜外徑 Cable diameter
適用溫度 Operation Temperature °C	-40~+60	
敷設方式 Application	架空、管道 Aerial ,Duct	

GYTA/GYTS



光纜芯數 Fiber count	≤30	32~36	32~60	62~72	74~84	86~96	98~108
加強件/鋼絲 CSM/Steel wire(mm)	--/1.45	--/1.8	--/1.8	--/2.2	3.0/2.0	3.6/2.0	4.2/2.0
纜芯單元數 Elemeny number	5	6	5	6	7	8	9
每管最大芯數 Max.cores in tube	6	6	12	12	12	12	12
光纜外徑 Cable diameter (mm)	GYTA	9.1	9.5	10.0	10.6	11.5	12.1
	GYTS	9.4	9.7	10.1	10.7	11.5	12.1
光纜重量 Weight (kg/km)	GYTA	80	93	96	119	129	154
	GYTS	100	113	118	143	155	189
光纜芯數 Fiber count	100~120	122~132	134~144	146~216	218~240	242~264	266~288
加強件/鋼絲 CSM/Steel wire(mm)	4.8/2.0	5.6/2.0	6.3/2.0	--/2.2	3.0/2.2	3.6/2.2	4.4/2.2
纜芯單元數 Elemeny number	10	11	12	6+12	7+13	8+14	9+15
每管最大芯數 Max.cores in tube	12	12	12	12	12	12	12
光纜外徑 Cable diameter (mm)	GYTA	13.3	14.3	15.0	15.4	16.2	17.0
	GYTS	13.5	14.3	15.0	15.4	16.2	17.0
光纜重量 Weight (kg/km)	GYTA	166	184	200	225	246	284
	GYTS	203	224	242	263	285	333
抗伸力 Tensile strength (N)	長期 Long term	600					
	短期 Short term	1500 and ≥ (G-Cable Weight)					
壓扁力 Crush resistance (N/100mm)	長期 Long term	300					
	短期 Short term	1000					
彎曲半徑 Bending Radius (mm)	靜態 Static	≥10x光纜外徑 Cable diameter					
	動態 Dynamic	≥20x光纜外徑 Cable diameter					
適用溫度 Operation Temperature °C	-40~+60						
敷設方式 Application	架空、管道 Aerial and Duct						

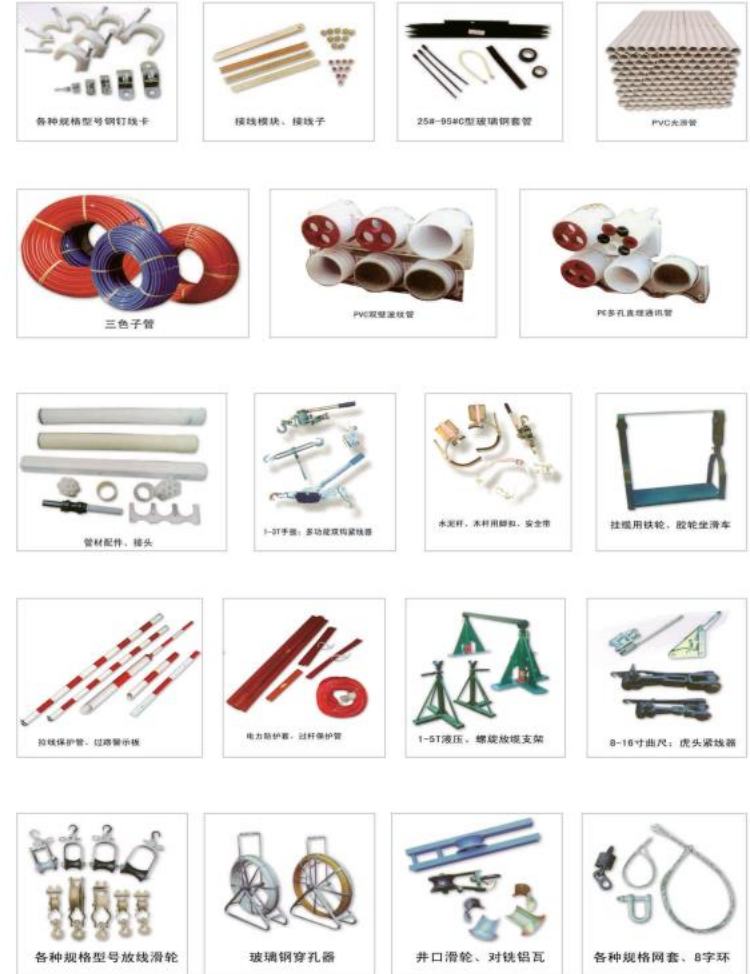
GYTA53



光缆芯数Fiber count	2~36	38~72	74~84	86~96	98~108	110~120	122~132	134~144
加强件/钢丝 CSM/Steel wire(mm)	--/1.8	--/2.2	3.0/2.2	3.6/2.2	4.2/2.2	4.8/2.2	5.6/2.2	6.3/2.2
缆芯单元数 Element number	6	6	7	8	9	10	11	12
每管最大芯数 Max.cores in tube	6	12	12	12	12	12	12	12
光缆外径Cable diameter (mm)	11.8	12.8	13.8	14.4	15.0	15.6	16.6	17.3
光缆重量Weight (kg/km)	157	190	214	230	245	261	289	311
抗伸力 Tensile strength (N)	长期 Long term	1000						
	短期 Short term	3000						
压扁力 Crush resistance (N/100mm)	长期 Long term	1000						
	短期 Short term	3000						
弯曲半径 Bending Radius (mm)	静态 Static	≥12.5×光缆外径 Cable diameter						
	动态 Dynamic	≥25×光缆外径 Cable diameter						
适用温度 Operation Temperature °C	-40~+60							
敷设方式 Application	架空、直埋 Aerial , Direct burial							

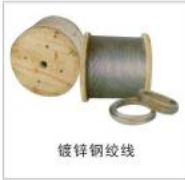
通信工程附件

Communication Engineering Accessories





井底用支架、托板、穿钉、拉力环、防盗链



镀锌钢绞线



各种型号拉线地锚、地线棒



二线至八线角钢担、槽钢担及各类担夹



光缆预留支架、U型抱箍



各种型号穿钉、L铁、膨胀螺丝、墙担



镀锌、注塑、注塑光(电)缆挂钩



各种型号顺墙担、终端支撑、扭角拉攀



铁丝(φ1.5-4.0)



拉线衬环(三股、五股、七股)



各种型号拉线双螺皮、钢绞线头、别扣



各种U型环、模型线夹、连接环、U线夹



北京地区自程式电缆使用铁件



各种规格型号电力通讯用吊线、拉线、多向抱箍



单、双槽地线夹板

