



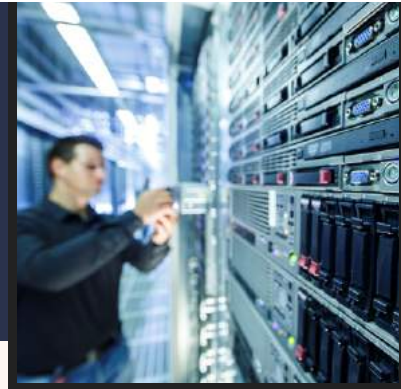
## FIBER OPTICAL CABLE CATALOG



**High Quality is Our Obligation**

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# 单芯光缆(GJFJV)

## Simplex Cable

### 产品描述 Description

GJFJV单芯光缆使用单根Φ900μm或Φ600μm阻燃紧套光纤作为光传输介质，外覆一层芳纶作为受力加强单元，最外挤制一层聚氯乙烯(PVC)或低烟无卤材料(LSZH、低烟、无卤、阻燃)护套而成。

SXC simplex cable use single Φ900μm or Φ600μm flame-retardant tight buffer fibre as optical communication medium,the tight buffer fibre wrapped with a layer of aramid yarn as strength member units,and the cable is completed with a PVC or LSZH (Low smoke,Zero halogen,Flame-retardant) jacket.

### 产品特点 Characteristics

采用紧套光纤，便于剥离使用

Tight buffer fibre ease of stripping

紧套光纤有良好的阻燃性能

Tight buffer fibre have excellent flame-retardant performance

芳纶加强元件，使光缆有优异的抗拉性能

Aramid yarn as strength member make cable have excellent tensile strength

外护材料耐腐蚀，防水，防紫外，阻燃，环保等优点

The jacket anti-corrosion,anti-water,anti-ultraviolet radiation, flame-retardant and harmless to environment etc.



### 产品应用 Applications

光纤活动连接跳线或尾线

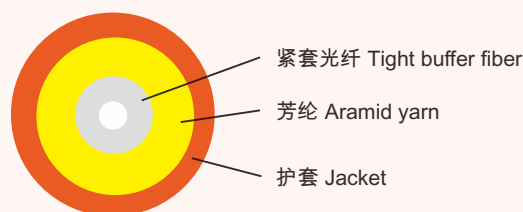
Optical fibre jumper or pigtail

室内竖井级和强制通风级布线

Indoor riser level and plenum level cable distribution

仪器、通信设备互联

Interconnect between instruments,communication equipments



光缆结构图  
Cable structure

### 产品标准 Standards

满足YD/T 1258.2-2003、ICEA-596、GR-409、IEC 60794-2-10/11等标准；符合UL认证OFNR、OFNP要求。

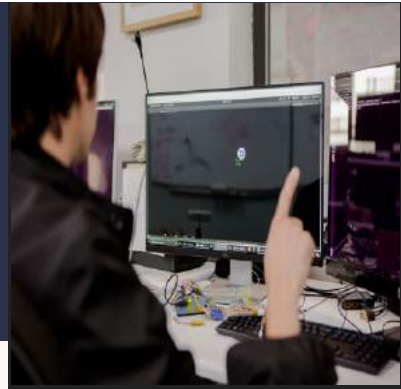
Comply with standard YD/T 1258.2-2003、ICEA-596、GR-409、IEC 60794-2-10/11,etc;and meet the requirements of UL approval for OFNR and OFNP.

### 结构参数 Technical parameters

光缆型号 Cable Code	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km		紧套光纤直径TBF Diameter μm	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm
		PVC 护套 PVC Jacket	LSZH 护套 LSZH Jacket				
GJFJV	Φ 2.0±0.2	6.0	7.5	900±50	80/150	100/500	50/30
	Φ 2.8±0.2						
	Φ 3.0±0.2						

运输 / 储存 / 使用温度：- 20°C~ + 60°C，安装温度：- 5°C~ + 50°C

Transport/Storage/Operating Temperature: - 20°C~ + 60°C，Installation Temperature: - 5°C~ + 50°C



# 双芯8字型光缆(GJFJ8V)

## Zipcord Interconnect Cable

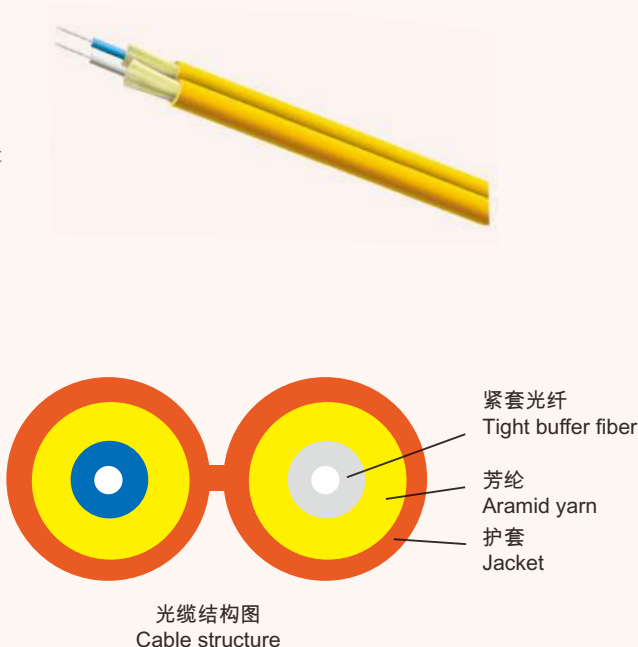
### 产品描述 Description

GJFJ8V双芯8字型光缆使用Φ900μm或Φ600μm阻燃紧套光纤作为光传输介质，外覆一层芳纶作为受力加强单元，最外挤制一层聚氯乙烯(PVC)或低烟无卤材料(LSZH、低烟、无卤、阻燃)护套而成。

ZCC zipcord interconnect cable use Φ900μm or Φ600μm flame-retardant tight buffer fibre as optical communication medium,the tight buffer fibre wrapped with a layer of aramid yarn as strength member units,and the cable is completed with a figure 8 PVC or LSZH(Low smoke,Zero halogen,Flame-retardant) jacket.

### 产品特点 Characteristics

- 采用紧套光纤，便于剥离使用  
Tight buffer fibre ease of stripping
- 紧套光纤有良好的阻燃性能  
Tight buffer fibre have excellent flame-retardant performance
- 芳纶加强元件，使光缆有优异的抗拉性能  
Aramid yarn as strength member make cable have excellent tensible strength
- 8字形结构护套易于剥开分支使用  
Figure 8 structure jacket facilitate embranchment
- 外护材料耐腐蚀，防水，防紫外，阻燃，环保等优点  
The jacket anti-corrosion,anti-water,anti-ultraviolet radiation, flame-retardant and harmless to environment etc.
- 全介质结构，不受电磁干扰  
All dielectric structure protect it form electromagnetic influence
- 加工工艺严谨，设计科学合理  
Scientific design with serious processing art



### 产品应用 Applications

- 双工光纤活动连接跳线或尾线  
Duplex Optical fibre jumper or pigtail
- 室内竖井级和强制通风级布线  
Indoor riser level and plenum level cable distribution
- 仪器、通信设备互联  
Interconnect between instruments,communication equipments

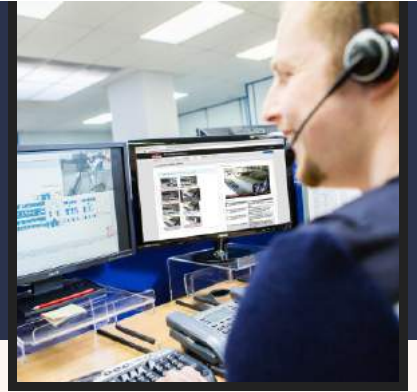
### 产品标准 Standards

满足YD/T 1258.3-2003、ICEA-596、GR-409、IEC 60794-2-10/11等标准；符合UL认证OFNR、OFNP要求。  
Comply with standard YD/T 1258.3-2003、ICEA-596、GR-409、IEC 60794-2-10/11,etc;and meet the requirements of UL approval for OFNR and OFNP.

### 结构参数 Technical parameters

光缆型号 Cable Code	光缆尺寸 Cable Size mm	光缆重量 Cable Weight Kg/km		紧套光纤直径TBF Diameter μm	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm
		PVC 护套 PVC Jacket	LSZH 护套 LSZH Jacket				
GJFJ8V	(6.0±0.4)x(2.8±0.2)	11.6	14.8	900±50	100/200	200/1000	50/30

运输 / 储存 / 使用温度：- 20°C~ + 60°C，安装温度：- 5°C~ + 50°C  
Transport/Storage/Operating Temperature: - 20°C~ + 60°C，Installation Temperature: - 5°C~ + 50°C



# 多用途布线光缆(GJPFJV)

## Multi Purpose Distribution Cable

### 产品描述 Description

GJPFJV多用途布线光缆使用6芯子单元(Φ900μm紧套光纤、芳纶加强元件),非金属中心加强芯,光缆子单元层绞于中心加强芯形成缆芯,最外挤制一层低烟无卤材料(LSZH、低烟、无卤、阻燃)护套而成。

GJPFJV multi-purpose distribution cable use 6 - fibre subunits (Φ900μm tight buffer fibre, aramid yarn as strength member). A fibre reinforced plastic (FRP) locates in the center of core as a non-metallic strength member. The subunits are stranded around the cable core. The cable is completed with a LSZH (Low smoke, Zero halogen, Flame-retardant) jacket.

### 产品特点 Characteristics

层绞式光缆结构, 非金属中心加强芯使光缆可以承受更大的拉力

Stranded non-metallic strength member structure ensure the cable endure larger tensile strength

光纤密度高、容量大、结构紧凑

Compact structure with high fibre capacity and density

外护材料耐腐蚀, 防水, 防紫外, 阻燃, 环保等优点

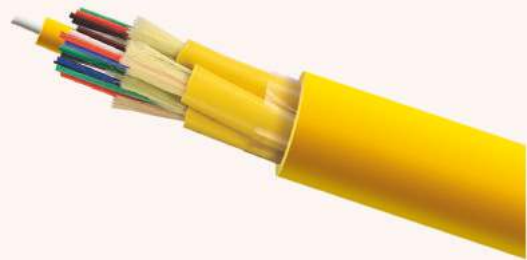
The jacket anti-corrosion, anti-water, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.

全介质结构, 不受电磁干扰

All dielectric structure protect it form electromagnetic influence

加工工艺严谨, 设计科学合理

Scientific design with serious processing art



### 产品应用 Applications

室内综合线缆

Indoor any purpose cable distribution

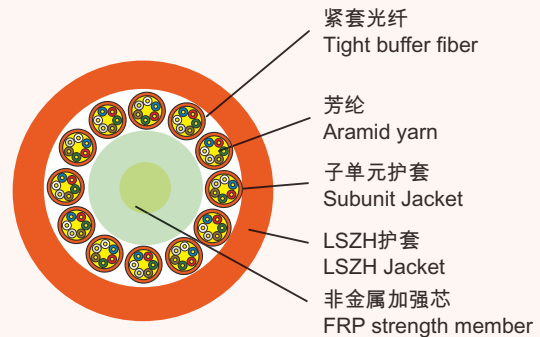
作为大楼的主干布线光缆

Backbone distribution cable in a building

### 产品标准 Standards

满足YD/T 1258.4-2005、ICEA-596、GR-409、IEC 60794-2-20/21、IEC 3221-1和IEC332-3C等标准。

Comply with standard YD/T 1258.4-2005、ICEA-596、GR-409、IEC 60794-2-20/21、IEC 3221-1 and IEC332-3C.



光缆结构图  
Cable structure

注: 子单元护套上打印连续数字, 区分子单元  
Note: The units have sequential numbering printed on the surface for identification

### 结构参数 Technical parameters

光缆型号 Cable Code	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm
GJPFJV-024	10.4±0.5	96	400/1320	300/1000	20D/10D
GJPFJV-030	12.4±0.5	149	400/1320	300/1000	20D/10D
GJPFJV-036	13.5±0.5	185	400/1320	300/1000	20D/10D
GJPFJV-048	15.7±0.5	265	400/1320	300/1000	20D/10D
GJPFJV-060	18.0±0.5	350	400/1320	300/1000	20D/10D
GJPFJV-072	20.5±0.5	440	400/1320	300/1000	20D/10D
GJPFJV-096	20.5±0.5	448	400/1320	300/1000	20D/10D
GJPFJV-108	20.5±0.5	448	400/1320	300/1000	20D/10D

运输 / 储存 / 使用温度: - 20°C~ + 60°C, 安装温度: - 5°C~ + 50°C

Transport/Storage/Operating Temperature: - 20°C~ + 60°C, Installation Temperature: - 5°C~ + 50°C



# 带状扁平型光缆(GJDFJV)

## Flat Fiber Ribbon Cable

### 产品描述 Description

GJDFJV带状扁平光缆使用光纤带作为光传输介质，外覆一层芳纶作为受力加强单元，最外挤制一层扁平聚氯乙烯(PVC)或低烟无卤材料(LSZH、低烟、无卤、阻燃)护套而成。

GJDFJV flat fiber ribbon cable use fiber ribbon as optical communication medium, the fibre ribbon wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a flat PVC or LSZH (Low smoke, Zero halogen, Flame-retardant) jacket.

### 产品特点 Characteristics

芳纶加强元件，使光缆有优异的抗拉性能

Aramid yarn as strength member make cable have excellent tensile strength

结构紧凑，纤密度高，柔软性、抗侧压性能好

Compact structure with high fibre density, good performance of flexibility and crush resistance

外护材料耐腐蚀，防水，防紫外，阻燃，环保等优点

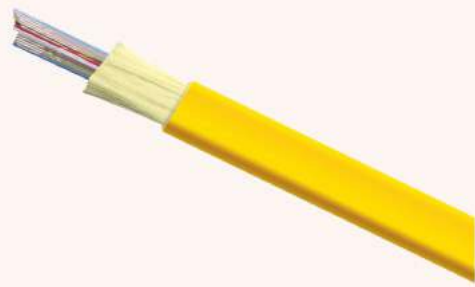
The jacket anti-corrosion, anti-water, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.

全介质结构，不受电磁干扰

All dielectric structure protect it from electromagnetic influence

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### 产品应用 Applications

带状光纤活动连接跳线

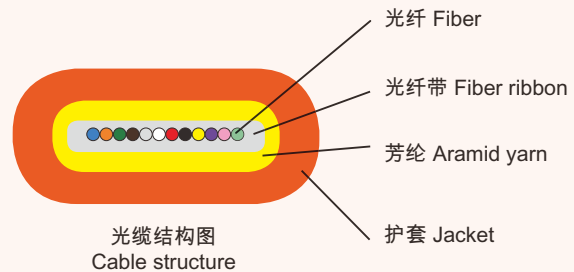
Ribbon optical fibre jumper and pigtail

室内各种用途的布线

Indoor cable distribution for any purpose

光纤配线设备互联

Interconnect between optical fibre cable distribution equipment



### 产品标准 Standards

满足YD/T 1258.4-2005、ICEA-596、GR-409、IEC 60794-2-30/31等标准；符合UL认证OFNR要求。

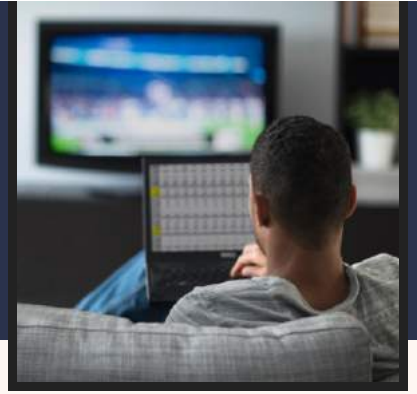
Comply with standard 1258.4-2005、ICEA-596、GR-409、IEC 60794-2-30/31, etc.; and meet the requirements of UL approval for OFNR.

### 结构参数 Technical parameters

光缆型号 Cable Code	光缆尺寸 Cable Size mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm	护套材料 Jacket Material
GJDFJV-04	(3.7±0.4)×(2.5±0.2)	6.0	80/150	200/1000	60/30	PVC/LSZH
GJDFJV-06	(4.2±0.4)×(2.5±0.2)	6.5	80/150	200/1000	60/30	PVC/LSZH
GJDFJV-08	(4.7±0.4)×(2.5±0.2)	8.4	80/150	200/1000	60/30	PVC/LSZH
GJDFJV-12	(4.8±0.4)×(2.5±0.2)	8.5	80/150	200/1000	60/30	PVC/LSZH

运输 / 储存 / 使用温度：- 20°C ~ + 60°C，安装温度：- 5°C ~ + 50°C

Transport/Storage/Operating Temperature: - 20°C ~ + 60°C, Installation Temperature: - 5°C ~ + 50°C



# 野战移动光缆(GJPFJU)

## Mobile Cable

### 产品描述 Description

GJPFJU野战移动光缆使用多根Φ900μm阻燃紧套光纤作为光传输介质，外覆一层芳纶作为受力加强单元，最外挤制一层聚氨酯(PUR)护套而成。

GJPFJU mobile cable use several Φ900μm flame-retardant tight buffer fibres as optical communication medium, the tight buffer fibre wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PUR jacket.

### 产品特点 Characteristics

采用紧套光纤，便于剥离使用

Tight buffer fibre ease of stripping

紧套光纤有良好的阻燃性能

Tight buffer fibre have excellent flame-retardant performance

芳纶加强元件，使光缆有优异的抗拉性能

Aramid yarn as strength member make cable have excellent tensile strength

抗扭曲性能极佳

Excellent performance of anti-torsion

外护材料耐磨，耐老化，耐油，阻燃等性能优越

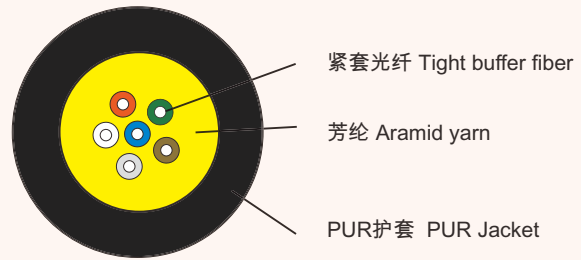
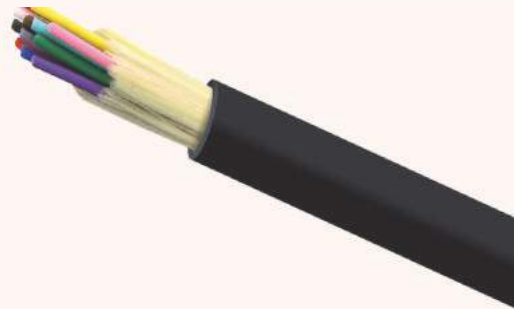
The jacket anti-abrasion, anti-aging, anti-oil and flame-retardant etc.

全介质结构，不受电磁干扰

All dielectric structure protect it from electromagnetic influence

加工工艺严谨，设计科学合理

Scientific design with serious processing art



光缆结构图  
Cable structure

### 产品应用 Applications

军队野外通信系统布线

Military communication system cable distribution

油田、采矿作业、雷达等通信传输

communication between radars or in oil field, mining work place

### 产品标准 Standards

满足YD/T 1258.4-2005、ICEA-596、GR-409、IEC 60794-2-20/21等标准；符合UL认证OFNR要求。

Comply with standard YD/T 1258.4-2005、ICEA-596、GR-409、IEC 60794-2-20/21, etc; and meet the requirements of UL approval for OFNR.

### 结构参数 Technical parameters

光缆型号 Cable Code	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm
GJPFJU-02	6.0±0.25	30	1500/2000	1000/5000	20D/10D
GJPFJU-04	6.0±0.25	30	1500/2000	1000/5000	20D/10D
GJPFJU-06	6.0±0.25	35	1500/2000	1000/5000	20D/10D

运输 / 储存 / 使用温度：- 20°C~ + 60°C，安装温度：- 5°C~ + 50°C

Transport/Storage/Operating Temperature: - 20°C~ + 60°C，Installation Temperature: - 5°C~ + 50°C



# 多用途布线光缆(GJFJV)

## Multi Purpose Distribution Cable

### 产品描述 Description

GJFJV多用途布线光缆使用多根Φ900μm阻燃紧套光纤作为光传输介质，外覆一层芳纶作为受力加强单元，最外挤制一层扁平聚氯乙烯(PVC)或低烟无卤材料(LSZH、低烟、无卤、阻燃)护套而成。

GJFJV multi-purpose distribution cable use several Φ900μm flame-retardant tight buffer fibre as optical communication medium,the tight buffer fibre wrapped with a layer of aramid yarn as strength member units,and the cable is completed with a PVC or LSZH(Low smoke,Zero halogen,Flame-retardant) jacket.

### 产品特点 Characteristics

采用紧套光纤，便于剥离使用

Tight buffer fibre ease of stripping

芳纶加强元件，使光缆有优异的抗拉性能

Aramid yarn as strength member make cable have excellent strength

外护材料耐腐蚀，防水，防紫外，阻燃，环保等优点

The jacket anti-corrosion,anti-water,anti-ultraviolet radiation,flame-retardant and harmless to environment etc.



### 产品应用 Applications

多芯光纤活动连接跳线

Multi optical fiber jumper

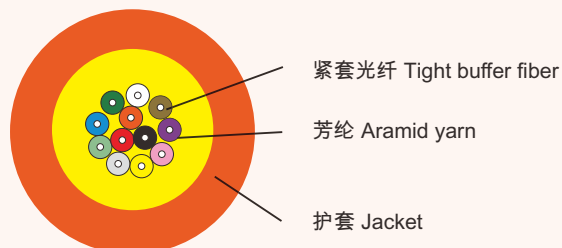
室内综合线缆

Indoor any purpose cable distribution

### 产品标准 Standards

满足YD/T 1258.4-2005、ICEA-596、GR-409、IEC 60794-2-20/21等标准；符合UL认证OFNR要求。

Comply with standard 1258.4-2005、ICEA-596、GR-409、IEC 60794-2-20/21,etc;and meet the requirements of UL approval for OFNR.



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Code	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm	护套材料 Jacket Material
GJFJV-02	4.1±0.25	12.4	200/660	300/1000	20D/10D	PVC/LSZH
GJFJV-04	4.8±0.25	16.2	200/660	300/1000	20D/10D	PVC/LSZH
GJFJV-06	5.2±0.25	20	200/660	300/1000	20D/10D	PVC/LSZH
GJFJV-08	5.6±0.25	26	200/660	300/1000	20D/10D	PVC/LSZH
GJFJV-10	5.8±0.25	28	200/660	300/1000	20D/10D	PVC/LSZH
GJFJV-12	6.4±0.25	31.5	200/660	300/1000	20D/10D	PVC/LSZH
GJFJV-24	8.5±0.30	42.1	200/660	300/1000	20D/10D	PVC/LSZH

运输 / 储存 / 使用温度：- 20°C~ + 60°C，安装温度：- 5°C~ + 50°C

Transport/Storage/Operating Temperature: - 20°C~ + 60°C，Installation Temperature: - 5°C~ + 50°C





# 室内光纤带光缆(GJFDV)

## Indoor Ribbon Fibre Cable

### 产品描述 Description

GJFDV室内光纤带光缆使用光纤带作为光传输介质，将光纤带套入高模量材料制成的松套管中，再包覆一层芳纶加强元件。最外挤制一层聚氯乙烯 (PVC) 护套而成。

GJFDV indoor ribbon fiber cable use fiber ribbon(s) as optical communication medium,Fiber ribbon(s) put in LSZH loose tube, then warpped with a layer of aramid yarn as strength member units,and the cable is completed with LSZH(Low smoke,Zero halogen,Flame-retardant) jacket.

### 产品特点 Characteristics

采用光纤带，集成度高

High-integrated fibre ribbon design

芳纶加强元件，使光缆有优异的抗拉性能

Aramid yarn as strength member making cable have excellent tensible strength performance

外护材料耐腐蚀，防水，防紫外，阻燃，环保等优点

The outer jacket material has many advantages such as anti-corrosion,waterproof,anti-ultraviolet radiation,flame-retardant and harmless to environment etc.

全介质结构，不受电磁干扰

All dielectric structure protect it from electromagnetic influence

加工工艺严谨，设计科学合理

Scientific design with serious processing art



### 产品应用 Applications

室内布线

Indoor cable distribution

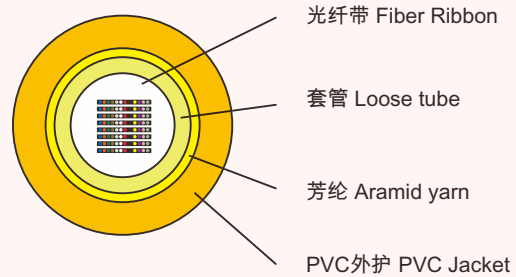
仪器、通信设备互联

Interconnect between instruments,communication equipments

### 产品标准 Standards

满足YD/T 1258.2-2003、ICEA-596、GR-409、IEC 60794-2-10/11等标准；符合UL认证OFNR、OFNP要求。

Comply with standard YD/T 1258.2-2003、ICEA-596、GR-409、IEC 60794-2-10/11,etc;and meet the requirements of UL approval for OFNR and OFNP.



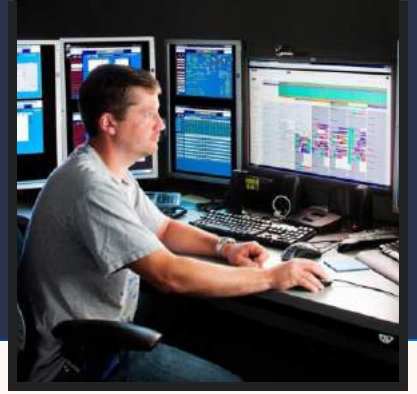
光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Code	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm
GJFDV-48	10.0	84	200N/660N	1000N	12.5D/25D
GJFDV-72	10.6	90	200N/660N	1000N	12.5D/25D
GJFDV-96	11.5	100	200N/660N	1000N	12.5D/25D
GJFDV-144	13.6	125	200N/660N	1000N	12.5D/25D

运输 / 储存 / 使用温度：- 20°C~ +60°C，安装温度：- 5°C~ + 50°C

Transport/Storage/Operating Temperature: - 20°C~ +60°C，Installation Temperature: - 5°C~ + 50°C



# 铠装软光缆

## Single core cable armouring

### 产品描述 Description

铠装单芯、双芯光缆由紧包光纤不锈钢螺旋管、凯夫拉、外护套组成。光缆具有优良的机械特性，易于布线及后续加工，是通信领域很好的传输媒介。产品在国防通信、广播电视系统、楼宇智能控制、电力控制系统、交通通讯系统、城域网和局域网中广泛应用。 Armour single core and bi-core optical cable consist of stainless steel spiral pipe wrapped closely optical fiber, Kevlar and outer jacket. The optical cable possesses excellent mechanical characteristics and is easy to wiring and process further and is good transmission medium in telecommunication field. The product is widely used for national communication, broadcast and television system, building intelligence control, electric power control system, traffic communication system, Intracity networks and local area network.

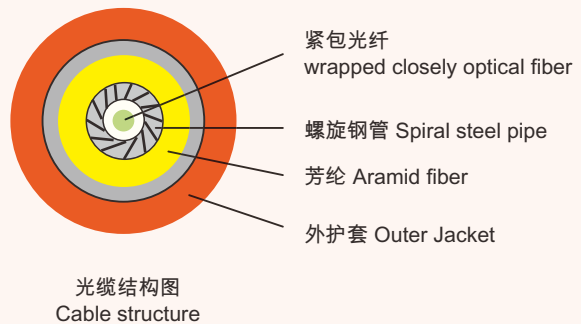
### 产品特点 Characteristics

微小不锈钢软管铠装保护,可以抵抗3000N以上的压扁力  
Being protected by armoured micro stainless steel soft pipe, it can resist more 3000N of crushed force  
进口芳纶加强,抗拉强度可以达到200N以上  
Being strengthened by imported aramid fiber, its tensile strength may reach to more 200N  
阻燃PVC/LSZH/PE/TPU等外护套可选,符合UL, RoHS等  
Fire retardant PVC/LSZH/PE/TPU, etc outer jacket may be chosen, conform to UL, RoHS, etc  
标准光缆外径,体积小重量轻,光缆集成度高  
Standard optical cable outer diameter, compact, light, high integration level



### 产品应用 Applications

加工铠装跳线  
Process armoured jumper  
室内外沿墙、顶、夹层和导管连接的直接布放光缆  
Lay out directly optical cable along with indoor wall, ceil, interlayer and conduit connection  
室内水平布线、建筑物内垂直布线  
Indoor level wiring, vertical wiring inside building  
军队野战通信布线  
Communication wiring of army field fight  
油田、采矿作业、雷达等通信传输  
Oilfield, mining operation, radar, etc communication transmission



### 产品标准 Standards

满足YD/T 1258.2-2003、ICEA-596、GR-409、IEC 60794-2-10/11等标准；符合UL认证OFNR、OFNP要求。  
Comply with standard YD/T 1258.2-2003、ICEA-596、GR-409、IEC 60794-2-10/11,etc;and meet the requirements of ULapproval for OFNR and OFNP.

### 结构参数 Technical parameters

光纤芯数 Optical fiber core number	外径(mm) Outside diameter mm	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm	一般衰减(dB/km) The general decay 1310/1550nm 850/1300nm
1	3	150N/300N	3000N/4000N	60D/30D	≤0.4/0.3 ≤3.0/1.0
2	3.3	150N/300N	3000N/4000N	66D/33D	≤0.4/0.3 ≤3.0/1.0

运输 / 储存 / 使用温度： - 20°C~ + 60°C，安装温度： - 5°C~ + 50°C  
Transport/Storage/Operating Temperature: - 20°C~ + 60°C , Installation Temperature: - 5°C~ + 50°C



# 自承式接入网用蝶形引入室内光缆(GJYXFCH)

## Self-supporting Bow-type drop cable

### 产品描述 Description

自承式接入网用蝶形引入室内光缆是将光通信单元处于中心，两侧放置两根平行非金属加强元件 (FRP)，在外侧再附加一根钢丝加强元件，最后，挤制黑色或彩色低烟无卤护套成缆。

The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. A steel wire as the additional strength member is also applied. Then, the cable is completed with a black or color LSZH sheath.

### 产品特点 Characteristics

特种耐弯光纤，提供更大的带宽，增强网络传输性能

Special Low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property

两根平行FRP钢丝使光缆具有良好的抗压性能，保护光纤

Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber

单根钢丝附加加强元件，使光缆具有良好的抗拉性能

Single steel wire as the additional strength member ensures good performance of tensile strength

光缆结构简单，重量轻，实用性强

Simple structure, light weight and high practicability

独特的凹槽设计，易剥离，方便接续，简化安装和维护

Novel flute design, easily strip and splice, simplify the installation and maintenance

低烟无卤阻燃护套，环保

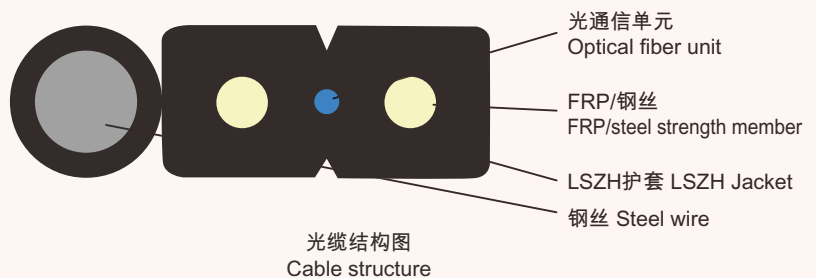
Low smoke, zero halogen and flame retardant sheath



### 产品标准 Standards

满足YD/T 1997-2009、ICEA-596、GR-409、IEC 60794等标准。

Comply with standard YD/T 1997-2009、ICEA-596、GR-409、IEC 60794, etc.



### 结构参数 Technical parameters

光缆型号 Cable Code	芯数 Fiber Count	光缆尺寸 Cable Size mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GJYXFH-1	1	(2.0±0.2)x(5.0±0.2)	21	30/60	300/1000	15/30
GJYXFH-2	2	(2.0±0.2)x(5.0±0.2)	21	30/60	300/1000	15/30
GJYXFH-4	4	(2.0±0.2)x(5.6±0.2)	21.5	30/60	300/1000	15/30
GJXH-1	1	(2.0±0.2)x(5.0±0.2)	21	30/60	300/1000	15/30
GJXH-2	2	(2.0±0.2)x(5.0±0.2)	21	30/60	300/1000	15/30
GJXH-4	4	(2.0±0.2)x(5.6±0.2)	21.5	30/60	300/1000	15/30

储存 / 使用温度：- 20°C + 60°C

Storage/Operating Temperature: - 20°C + 60°C



# 接入网用蝶形引入室内光缆(GJXFH/GJXH)

## Bow-type drop cable

### 产品描述 Description

接入网用蝶形引入室内光缆是将光通单元处于中心，两侧放置两根平行非金属加强元件(FRP)或钢丝，最后，挤制黑色或彩色低烟无卤护套成缆。

The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then, the cable is completed with a black or color LSZH sheath.

### 产品特点 Characteristics

特种耐弯光纤，提供更大的带宽，增强网络传输性能

Special Low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property

两根平行FRP/钢丝使光缆具有良好的抗压性能，保护光纤

Two parallel FRP/strength members ensure good performance of crush resistance to protect the fiber

光缆结构简单，重量轻，实用性强

Simple structure, light weight and high practicability

独特的凹槽设计，易剥离，方便接续，简化安装和维护

Novel flute design, easily strip and splice, simplify the installation and maintenance

低烟无卤阻燃护套，环保

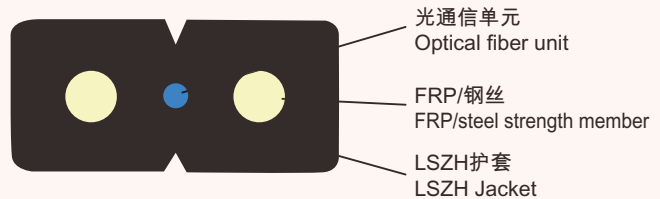
Low smoke, zero halogen and flame retardant sheath



### 产品标准 Standards

满足YD/T 1997-2009、ICEA-596、GR-409、IEC 60794等标准。

Comply with standard YD/T 1997-2009、ICEA-596、GR-409、IEC 60794, etc.



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Code	芯数 Fiber Count	光缆尺寸 Cable Size mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GJXFH-1	1	(2.0±0.2)x(3.0±0.2)	8	30/60	300/1000	15/30
GJXFH-2	2	(2.0±0.2)x(3.0±0.2)	8.5	30/60	300/1000	15/30
GJXFH-4	4	(2.0±0.2)x(4.0±0.2)	10	30/60	300/1000	15/30
GJXH-1	2	(2.0±0.2)x(3.0±0.2)	9	30/60	300/1000	15/30
GJXH-2	2	(2.0±0.2)x(3.0±0.2)	9.5	30/60	300/1000	15/30
GJXH-4	4	(2.0±0.2)x(4.0±0.2)	10	30/60	300/1000	15/30

储存、使用温度：- 20°C 至 + 60°C

Storage/Operating Temperature: - 20°C to + 60°C



# 管道用蝶形引入光缆(GJXFHA)

## Bow-type drop cable for duct

### 产品描述 Description

接入网用蝶形引入室内光缆是将光通单元处于中心，两侧放置两根平行非金属加强元件（FRP），挤制黑色低烟无卤护套。外包铝带防潮层，最后挤制PE护套成缆。

The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then, the cable is completed with a black or color LSZH sheath. APL moisture barrier, PSP enhancing moisture-proof.

### 产品特点 Characteristics

特种耐弯光纤，提供更大的带宽，增强网络传输性能

Special Low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property

两根平行FRP使光缆具有良好的抗压性能，保护光纤

Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber

光缆结构简单，重量轻，实用性强

Simple structure, light weight and high practicability

独特的凹槽设计，易剥离，方便接续，简化安装和维护

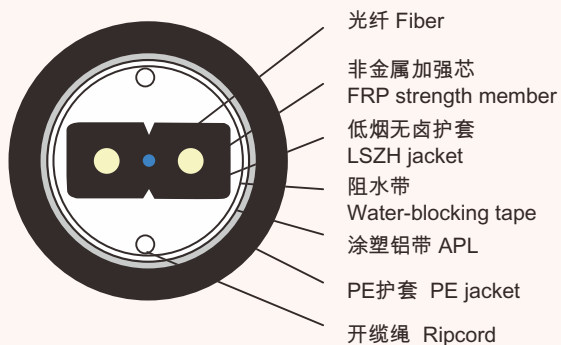
Novel flute design, easily strip and splice, simplify the installation and maintenance

低烟无卤阻燃护套，环保

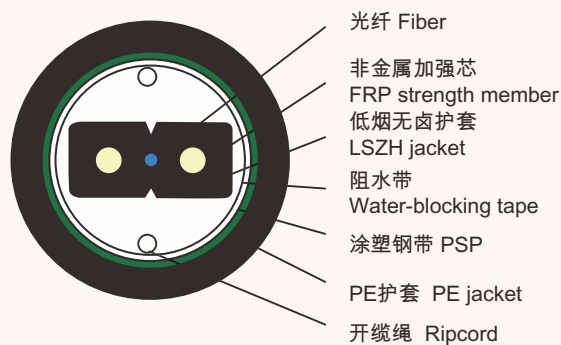
Low smoke, zero halogen and flame retardant sheath

涂塑铝带（APL）防潮层，提高光缆的抗透潮能力

APL moisture barrier, PSP enhancing moisture-proof



光缆结构图  
Cable structure



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Code	芯数 Fiber Count	光缆尺寸 Cable Size mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GJXFHA-1	1	∅ 7.0	47	30/60	300/1000	15/30
GJXFHA-2	2	∅ 7.0	47	30/60	300/1000	15/30

储存、使用温度：- 20°C 至 + 60°C

Storage/Operating Temperature: - 20°C to + 60°C



# 松套管绞装铠装光缆(GYTA/S)

## Stranded Loose Tube Armored Cable

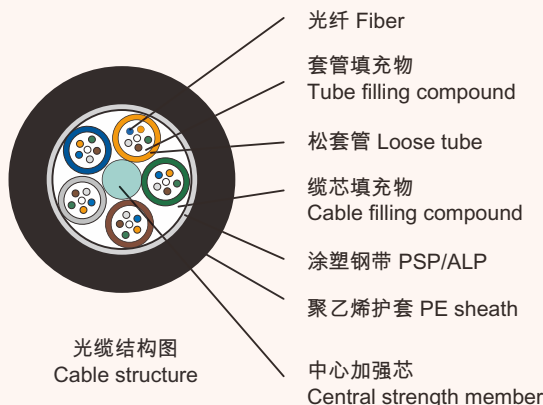
### 产品描述 Description

GYTA/S光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。缆芯的中心是一根金属加强芯，对于某些芯数的光缆来说，金属加强芯外还需挤上一层聚乙烯(PE)。松套管(和填充物)围绕中心加强芯绞合成紧凑和圆形的缆芯，缆芯内的缝隙充以阻水填充物。涂塑铝带(APL)纵包后挤制聚乙烯护套成缆，适用：管道、架空。

The fibers, 250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. then, the cable is completed with a PE sheath. Application: Duct/Aerial.

### 产品特点 Characteristics

- 具有很好的机械性能和温度特性  
Good mechanical and temperature performance
- 松套管材料本身具有良好的耐水解性能和较高的强度  
High strength loose tube that is hydrolysis resistant
- 管内充以特种油膏，对光纤进行了关键性的保护  
Special tube filling compound ensure a critical protection of fiber
- 特别设计的紧密的光缆结构，有效防止套管回缩  
Specially designed compact structure is good at preventing loose tubes from shrinking
- PE护套具有良好的抗紫外辐射性能  
PE sheath protects cable form ultraviolet radiation
- 采用下列措施来确保光缆的防水性能：  
The following measures are taken to ensure the cable watertight:
- 单根钢丝中心加强芯  
Steel wire used as the central strength member
- 松套管内填充特种防水化合物  
Loose tube filling compound
- 完全缆芯填充  
100% cable core filling
- PSP涂塑铝带(APL)防潮层  
APL moisture barrier



### 产品标准 Standards

符合YD/T 901-2009和IEC 60794-1标准。  
Complies with Standard YD/T 901-2009 as well as IEC 60794-1.

### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	套管数 Tubes	填充绳数 Fillers	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GYTA/S-2-6	2-6	1	4	9.5	80	600/1500	300/1000	10D/20D
GYTA/S-8-12	8-12	2	3	9.5	80	600/1500	300/1000	10D/20D
GYTA/S-14-18	14-18	3	2	9.5	80	600/1500	300/1000	10D/20D
GYTA/S-20-24	20-24	4	1	9.5	80	600/1500	300/1000	10D/20D
GYTA/S-26-30	26-30	5	0	9.5	80	600/1500	300/1000	10D/20D
GYTA/S-32-36	32-36	6	0	9.7	97	1000 / 3000	300/1000	10D/20D
GYTA/S-38-48	38-48	4	1	10.5	109	1000 / 3000	300/1000	10D/20D
GYTA/S-50-60	50-60	5	0	10.5	109	1000 / 3000	300/1000	10D/20D
GYTA/S-62-72	62-72	6	0	11.5	126	1000 / 3000	300/1000	10D/20D
GYTA/S-74-84	74-84	7	1	13.2	153	1000 / 3000	300/1000	10D/20D
GYTA/S-86-96	86-96	8	0	13.2	153	1000 / 3000	300/1000	10D/20D
GYTA/S-98-108	98-108	9	1	14.6	182	1000 / 3000	300/1000	10D/20D
GYTA/S-110-120	110-120	10	0	14.6	182	1000 / 3000	300/1000	10D/20D
GYTA/S-122-132	122-132	11	1	16.5	221	1000 / 3000	300/1000	10D/20D
GYTA/S-134-144	134-144	12	0	16.5	221	1000 / 3000	300/1000	10D/20D

储存、使用温度：-40°C至+70°C  
Storage/Operating Temperature: -40°C to +70°C



# 松套管绞式加强铠装光缆(GYTA53)

## Stranded Loose Tube Armored Cable

### 产品描述 Description

GYTA53光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。缆芯的中心是一根金属加强芯，对于某些芯数的光缆来说，金属加强芯外还需挤上一层聚乙烯(PE)。松套管(和填充物)围绕中心加强芯绞合成紧凑和圆形的缆芯，缆芯内的缝隙充以阻水填充物。涂塑铝带(APL)纵包后挤制一层聚乙烯内护套，双面涂塑钢带(PSP)纵包后挤制聚乙烯护套成缆，适用：管道、架空、直埋。

The fibers ,250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. then the cable core is covered with a thin PE inner sheath. After the PSP is longitudinally applied over the inner sheath, the cable is completed with a PE outer sheath. Application: Duct/Aerial/Direct buried.

### 产品特点 Characteristics

具有很好的机械性能和温度特性

Good mechanical and temperature performance

松套管材料本身具有良好的耐水解性能和较高的强度

High strength loose tube that is hydrolysis resistant

管内充以特种油膏，对光纤进行了关键性的保护

Special tube filling compound ensure a critical protection of fiber

良好的抗压性和柔软性

Crush resistance and flexibility

采用下列措施来确保光缆的防水性能：

The following measures are taken to ensure the cable watertight:

单根钢丝中心加强芯

Steel wire used as the central strength member

松套管内填充特种防水化合物

Loose tube filling compound

完全缆芯填充

100% cable core filling

涂塑铝带(APL)防潮层

APL moisture barrier

双面涂塑钢带(PSP)提高光缆的抗透潮能力

PSP enhancing moisture-proof

良好的阻水材料防止光缆纵向渗水

Water-blocking material

### 产品标准 Standards

符合YD/T 901-2009和IEC 60794-1标准。

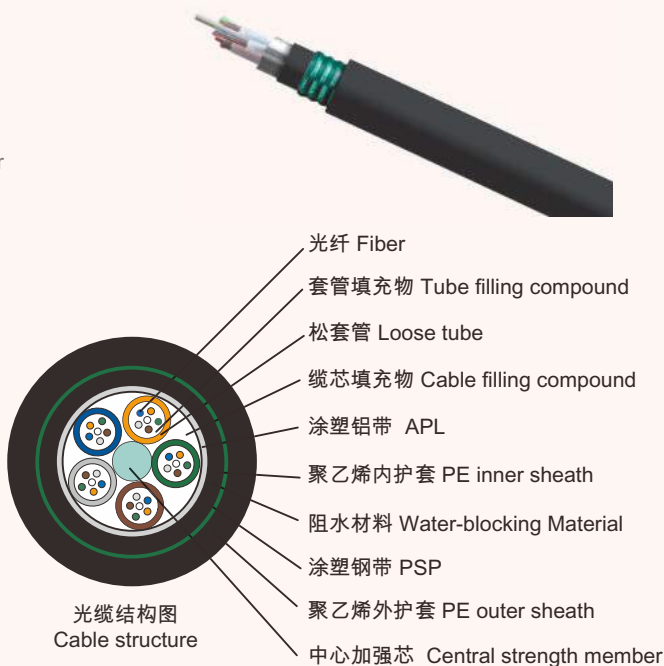
Complies with Standard YD/T 901-2009 as well as IEC 60794-1.

### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	套管数 Tubes	填充绳数 Fillers	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GYTA53-2-6	2-6	1	5	13.7	190	1000 / 3000	1000 / 3000	10D/20D
GYTA53-8-12	8-12	2	4	13.7	190	1000 / 3000	1000 / 3000	10D/20D
GYTA53-14-18	14-18	3	3	13.7	190	1000 / 3000	1000 / 3000	10D/20D
GYTA53-20-24	20-24	4	2	13.7	190	1000 / 3000	1000 / 3000	10D/20D
GYTA53-26-30	26-30	5	1	13.7	190	1000 / 3000	1000 / 3000	10D/20D
GYTA53-32-36	32-36	6	0	13.7	190	1000 / 3000	1000 / 3000	10D/20D
GYTA53-38-48	38-48	4	1	15.3	229	1000 / 3000	1000 / 3000	10D/20D
GYTA53-50-60	50-60	5	0	15.3	229	1000 / 3000	1000 / 3000	10D/20D
GYTA53-62-72	62-72	6	0	15.9	244	1000 / 3000	1000 / 3000	10D/20D
GYTA53-74-84	74-84	7	1	18.0	288	1000 / 3000	1000 / 3000	10D/20D
GYTA53-86-96	86-96	8	0	18.0	288	1000 / 3000	1000 / 3000	10D/20D
GYTA53-98-108	98-108	9	1	19.2	325	1000 / 3000	1000 / 3000	10D/20D
GYTA53-110-120	110-120	10	0	19.2	325	1000 / 3000	1000 / 3000	10D/20D
GYTA53-122-132	122-132	11	1	20.9	373	1000 / 3000	1000 / 3000	10D/20D
GYTA53-134-144	134-144	12	0	20.9	373	1000 / 3000	1000 / 3000	10D/20D
GYTA53-146-216	146-216	18	0	20.9	373	1000 / 3000	1000 / 3000	10D/20D

储存、使用温度：-40°C至+70°C

Storage/Operating Temperature: -40°C to +70°C



光缆结构图  
Cable structure



# 防水尾缆(GJA) Waterproof Pig-tail Cable

## 产品描述 Description

GJA防水尾缆使用单芯光缆(Φ900μm紧套光纤、芳纶加强元件)作为子单元,非金属中心加强芯,光缆子单元层绞于中心加强芯形成缆芯,外包铝带防潮层,最外挤制一层聚乙烯(PE)护套而成。

GJA waterproof pigtail cable use simplex cable(Φ900μm tight buffer fibre,aramid yarn as strength member) as subunits.A fibre reinforced plastic(FRP) locates in the center of core as a non-metallic strength member.The subunits are stranded around the cable core.An aluminum polyethylene laminate is applied around the cable core. The cable is completed with a PE jacket.

## 产品特点 Characteristics

层绞式光缆结构,非金属中心加强芯使光缆可以承受更大的拉力  
Stranded non-metallic strength member structure ensure the cable endure larger tensile strength

外护材料耐腐蚀、防水、防紫外等优点  
The jacket anti-corrosion,anti-water and anti-ultraviolet radiation etc.

铝带具有良好的防潮性能  
APL moisture barrier

加工工艺严谨,设计科学合理  
Scientific design with serious processing art

加工工艺严谨,设计科学合理

加工工艺严谨,设计科学合理

加工工艺严谨,设计科学合理



## 产品应用 Applications

室内综合布线

Indoor any purpose cable distribution

室外到室内光缆配线设备的连接

Interconnect from outdoor to indoor for optical cable distribution equipment

## 产品标准 Standards

满足YD/T 1258.4-2005、ICEA-596、GR-409、IEC 60794等标准。

Comply with standard YD/T 1258.4-2005、ICEA-596、GR-409、IEC 60794,etc.



光缆结构图

Cable structure

注:子单元护套上打印连续数字,区分子单元

Note: The units have sequential numbering printed on the surface for identification

## 结构参数 Technical parameters

光缆型号 Cable Code	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm
GJA-02	8.9±0.5	58.1	200/660	300/1000	20D/10D
GJA-04	8.9±0.5	58.3	200/660	300/1000	20D/10D
GJA-06	9.8±0.5	73	200/660	300/1000	20D/10D
GJA-08	10.6±0.5	95.7	200/660	300/1000	20D/10D
GJA-12	13.4±0.5	155.2	200/660	300/1000	20D/10D

运输 / 储存 / 使用温度: - 20°C~ + 60°C, 安装温度: - 5°C~ + 50°C

Transport/Storage/Operating Temperature: - 20°C~ + 60°C, Installation Temperature: - 5°C~ + 50°C





# 耐火光缆(GJFZY53-FR)

## Fire Resistant Cable

### 产品描述 Description

GJFZY53耐火光缆是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。缆芯的中心是一根非金属加强芯（FRP），对于某些芯数的光缆来说，非金属加强芯外还需挤上一层聚乙烯（PE）。松套管（和填充绳）围绕中心加强芯绞合成紧凑和圆形的缆芯，纵包后挤上一层阻燃内护套，双面涂塑钢带（PSP）纵包后挤制阻燃护套成缆。

GJFZY53-Fire resistant cable: The fibres,250μm,are positioned in a loose tube made of a high modulus plastic.The tubes are filled with a water-resistant filling compound.A Fibre Reinforced Plastic (FRP) locates in the center of core as a non-metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular core. Then the cable core is covered with an inner flame-retardant sheath.After a corrugated steel tape armor is applied, the cable is completed with a outer flame-retardant sheath.

### 产品特点 Characteristics

- 具有很好的机械性能，温度特性和耐火性能  
Good mechanical,temperature performance and fire resistant property
- 松套管材料本身具有良好的耐水解性能和较高的强度  
High strength loose tube that is hydrolysis resistant
- 管内充以特种油膏，对光纤进行了关键性保护  
Special tube filling compound ensure a critical protection of fiber
- 良好的抗压性和柔软性  
Good crush resistance and flexibility
- 采用下列措施来确保光缆的防水性能：  
The following measures are taken to ensure the cable watertight:
- 单根非金属中心加强芯  
Single Fiber Reinforced Plastic as the central strength member
- 松套管内填充特种防水化合物  
Loose tube filling compound
- 完全缆芯填充  
100% cable core filling
- 双面涂塑钢带（PSP）提高光缆的抗透潮能力  
PSP enhancing moisture-proof
- 良好的阻水材料防止光缆纵向渗水  
Water-blocking material
- 加工工艺严谨，设计科学合理  
Scientific design with strict processing

### 产品应用 Applications

- 室内的综合布线  
Indoor distribution
- 室外到室内光缆配线设备的连接  
Interconnect from outdoor to indoor for optical cable distribution equipment

### 产品标准 Standards

满足YD/T 1258.4-2005、ICEA-596、GR-409、IEC60794、IEC60331-25-1999等标准；  
Comply with standard YD/T 1258.4-2005、ICEA-596、GR-409、IEC60794、IEC60331-25-1999,etc



### 结构参数 Technical parameters

光缆型号 Cable Code	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance N/100mm	弯曲半径 Bending Radius 动态 / 静态 Dynamic/Static mm
GJFZY53(FR)-6~36	14.2	239	400N/1000N	3000	20D/10D
GJFZY53(FR)-48~60	15.0	260	400N/1000N	3000	20D/10D
GJFZY53(FR)-72	15.5	277	400N/1000N	3000	20D/10D
GJFZY53(FR)-96	17.2	329	400N/1000N	3000	20D/10D

运输 / 储存 / 使用温度： - 20°C~ + 60°C，安装温度： - 5°C~ + 50°C  
Transport/Storage/Operating Temperature: - 20°C~ + 60°C，Installation Temperature: - 5°C~ + 50°C



## 松套管绞式非金属加强芯非铠装光缆(GYFTY)

### Stranded Loose Tube Non-metallic Strength Member Non-armored Cable

#### 产品描述 Description

GYFTY光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。缆芯的中心是一根玻璃纤维增强塑料 (FRP)，松套管 (和填充物) 围绕中心加强芯绞合成紧凑和圆形的缆芯，缆芯内的缝隙充以阻水填充物。缆芯外挤上一层聚乙烯护套成缆，适用：管道、架空。

The fibers ,250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound.A Fiber Reinforced Plastic (FRP) locates in the center of core as a non-metallic strength member.The tubes (and fillers) are stranded around the strength member into a compact and circular core. After the cable core is filled with the filling compound to protect it from water ingress. the cable is completed with a PE sheath.Application:Duct/Aerial.

#### 产品特点 Characteristics

具有很好的机械性能和温度特性

Good mechanical and temperature performance

松套管材料本身具有良好的耐水解性能和较高的强度

High strength loose tube that is hydrolysis resistant

管内充以特种油膏，对光纤进行了关键性的保护

Special tube filling compound ensure a critical protection of fiber

良好的抗压性和柔软性

Crush resistance and flexibility

采用下列措施来确保光缆的防水性能：

The following measures are taken to ensure the cable watertight:

单根非金属中心加强芯

Single Fiber Reinforced Plastic as the central strength member

松套管内填充特种防水化合物

Loose tube filling compound

完全缆芯填充

100% cable core filling



#### 产品标准 Standards

符合YD/T 901-2009和IEC 60794-1标准。

Complies with Standard YD/T 901-2009 as well as IEC 60794-1.

#### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	套管数 Tubes	填充绳数 Fillers	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GYFTY-2-6	2-6	1	5	10.6	88	400/1000	300/1000	10D/20D
GYFTY-8-12	8-12	2	4	10.6	88	400/1000	300/1000	10D/20D
GYFTY-14-18	14-18	3	3	10.6	88	400/1000	300/1000	10D/20D
GYFTY-20-24	20-24	4	2	10.6	88	400/1000	300/1000	10D/20D
GYFTY-26-30	26-30	5	1	10.6	88	400/1000	300/1000	10D/20D
GYFTY-32-36	32-36	6	0	10.6	88	400/1000	300/1000	10D/20D
GYFTY-2-6	2-6	1	6	11.0	97	600/1500	300/1000	10D/20D
GYFTY-8-12	8-12	2	5	11.0	97	600/1500	300/1000	10D/20D
GYFTY-14-18	14-18	3	4	11.0	97	600/1500	300/1000	10D/20D
GYFTY-20-24	20-24	4	3	11.0	97	600/1500	300/1000	10D/20D
GYFTY-26-30	26-30	5	2	11.0	97	600/1500	300/1000	10D/20D
GYFTY-32-36	32-36	6	1	11.0	97	600/1500	300/1000	10D/20D
GYFTY-38-42	38-42	7	0	11.0	97	600/1500	300/1000	10D/20D
GYFTY-38-48	44-48	4	2	12.0	113	600/1500	300/1000	10D/20D
GYFTY-50-60	50-60	5	1	12.0	113	600/1500	300/1000	10D/20D
GYFTY-62-72	62-72	6	0	12.0	113	600/1500	300/1000	10D/20D

储存、使用温度：-40℃至+70℃

Storage/Operating Temperature: -40°C to +70°C



## 松套层绞式非金属加强芯普通铠装光缆(GYFTY53) Stranded Loose Tube Non-metallic Strength Member Armored Cable

### 产品描述 Description

GYFTY53光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。缆芯的中心是一根非金属加强芯(FRP)，对于某些芯数的光缆来说，非金属加强芯外还需挤上一层聚乙烯(PE)。松套管(和填充物)围绕中心加强芯绞合成紧凑和圆形的缆芯，缆芯内的缝隙充以阻水填充物。缆芯外挤上一层聚乙烯内护套，双面涂塑钢带(PSP)纵外包后挤制聚乙烯护套成缆。适用：管道、架空、直埋。

The fibers, 250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A Fiber Reinforced Plastic (FRP) locates in the center of core as a non-metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular cable core. Then the cable core is covered with a thin Polyethylene (PE) inner sheath, which is filled with jelly to protect it from water ingress. A layer of water-blocking material is applied around the cable core to prevent it from water ingress all the same. After a corrugated steel tape armor is applied, the cable is completed with a PE outer sheath. Application: Duct/Aerial/Direct buried.

### 产品特点 Characteristics

具有很好的机械性能和温度特性

Good mechanical and temperature performance

松套管材料本身具有良好的耐水解性能和较高的强度

High strength loose tube that is hydrolysis resistant

管内充以特种油膏，对光纤进行了关键性的保护

Special tube filling compound ensure a critical protection of fiber

良好的抗压性和柔软性

Crush resistance and flexibility

采用下列措施来确保光缆的防水性能：

The following measures are taken to ensure the cable watertight:

单根非金属中心加强芯

Single Fiber Reinforced Plastic as the central strength member

松套管内填充特种防水化合物

Loose tube filling compound

完全缆芯填充

100% cable core filling

双面涂塑钢带(PSP)提高光缆的抗透潮能力

PSP enhancing moisture-proof

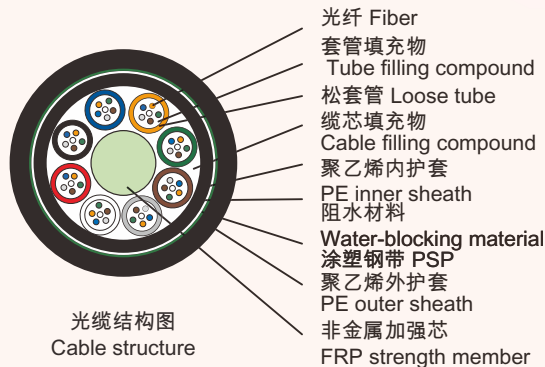
良好的阻水材料防止光缆纵向渗水

Water-blocking material

### 产品标准 Standards

符合YD/T 901-2009和IEC 60794-1标准。

Complies with Standard YD/T 901-2009 as well as IEC 60794-1.



### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	套管数 Tubes	填充绳数 Fillers	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GYFTY53-2-6	2-6	1	7	15.8	226	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-8-12	8-12	2	6	15.8	226	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-14-18	14-18	3	5	15.8	226	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-20-24	20-24	4	4	15.8	226	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-26-30	26-30	5	3	15.8	226	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-32-36	32-36	6	2	15.8	226	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-38-42	38-42	7	1	15.8	226	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-44-48	44-48	8	0	16.8	255	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-50-60	50-60	5	3	16.8	255	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-62-72	62-72	6	2	16.8	255	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-74-84	74-84	7	1	16.8	255	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-86-96	86-96	8	0	16.8	255	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-98-108	98-108	9	1	19.2	320	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-110-120	110-120	10	0	19.2	320	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-122-132	122-132	11	1	21.2	380	1000 / 3000	1000 / 3000	10D/20D
GYFTY53-134-144	134-144	12	0	21.2	380	1000 / 3000	1000 / 3000	10D/20D

储存、使用温度：-40℃至+70℃

Storage/Operating Temperature: -40℃ to +70℃



# 中心管式非铠装光缆(GYXY)

## Unitube Non-armored Cable

### 产品描述 Description

GYXY光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。松套管外加阻水材料以保证光缆纵向阻水，两侧放置两根平行钢丝后挤置聚乙烯护套成缆。

The fibers ,250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. Two parallel steel wires are placed at the two sides .The cable is completed with a polyethylene (PE) sheath.

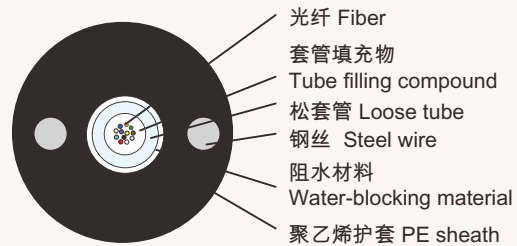
### 产品特点 Characteristics

- 具有很好的机械性能和温度特性  
Good mechanical and temperature performance
- 松套管材料本身具有良好的耐水解性能和较高的强度  
High strength loose tube that is hydrolysis resistant
- 管内充以特种油膏，对光纤进行了关键性的保护  
Special tube filling compound ensure a critical protection of fiber
- 两根平行的钢丝保证光缆的抗拉强度  
Two parallel steel wires ensure tensile strength
- PE护套具有良好的抗紫外辐射性能  
PE sheath protects cable form ultraviolet radiation
- 直径小、重量轻、容易敷设  
Small diameter, light weight and friendly installation
- 较长的交货长度  
Long delivery length



### 产品标准 Standards

符合YD/T 769-2010标准。  
Complies with Standard YD/T 769-2010.



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GYXY-2~12	2~12	8.2	77	600/1500	300/1000	10D/20D

储存、使用温度：-40℃至+70℃  
Storage/Operating Temperature: -40℃ to +70℃



# 中心管式非金属非铠装光缆(GYFXY)

## Unitube Non-metallic Non-armored Cable

### 产品描述 Description

GYFXY光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。松套管外加阻水材料以保证光缆纵向阻水，两侧放置两根平行玻璃纤维增强塑料 (FRP) 后挤置聚乙烯护套成缆。

The fibers ,250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound.Over the tube,water-blocking material is applied to keep the cable watertight. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides .The cable is completed with a polyethylene (PE) sheath.

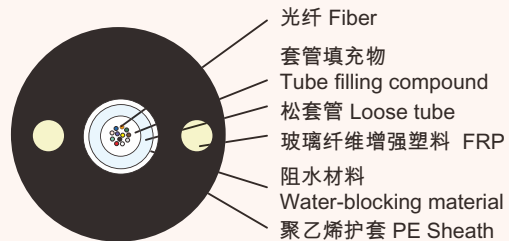
### 产品特点 Characteristics

- 具有很好的机械性能和温度特性  
Good mechanical and temperature performance
- 松套管材料本身具有良好的耐水解性能和较高的强度  
High strength loose tube that is hydrolysis resistant
- 管内充以特种油膏，对光纤进行了关键性的保护  
Special tube filling compound ensure a critical protection of fiber
- 两根平行的FRP保证光缆的抗拉强度  
Two parallel FRPs ensure tensile strength
- PE护套具有很好的抗紫外辐射性能  
PE sheath protects cable form ultraviolet radiation
- 直径小、重量轻、容易敷设  
Small diameter ,light weight and friendly installation
- 较长的交货长度  
Long delivery length



### 产品标准 Standards

符合YD/T 769-2010标准。  
Complies with Standard YD/T 769-2010.



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GYFXY-2~12	2~12	8.2	81	400/1000	300/1000	10D/20D

储存、使用温度：- 40°C至 + 70°C  
Storage/Operating Temperature: - 40°C to + 70°C



# 8字型层绞式光缆(GYTC8A)

## Figure 8 Cable

### 产品描述 Description

GYTC8A光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。缆芯的中心是一根金属加强芯，松套管（和填充绳）围绕中心加强芯绞合成紧凑和圆形的缆芯。缆芯用一层涂塑铝带（APL）纵包后，和钢丝绞线集成一个8字型的聚乙烯护套内。

本公司还可以提供Y护套或S护套的8字型光缆DCTC8Y、DCTC8S等，此类产品多应用于自承式架空敷设。

The fibers ,250μm , are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound.A steel wire locates in the center of core as a metallic strength member.The tubes (and fillers) are stranded around the strength member into a compact and circular cable core. After an Aluminum Polyethylene Laminate (APL) moisture barrier is applied around the cable core,this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene (PE) sheath to be figure 8 structure.

Figure 8 cable DCTC8Y,DCTC8S are also available on request.This type of cable is specifically applied for self-supporting aerial installation.

### 产品特点 Characteristics

钢丝绞线具有极高的抗拉强度，便于自承式架空敷设，降低安装成本

High tensile strength of stranded wires meet the requirement of self-supporting and reduce installation cost

光缆具有很好的机械性能和温度特性

Good mechanical and temperature performance

松套管材料本身具有良好的耐水解性能和较高的强度

High strength loose tube that is hydrolysis resistant

管内充以特种油膏，对光纤进行了关键性的保护

Special tube filling compound ensure a critical protection of fiber

采用下列措施来确保光缆的防水性能：

The following measures are taken to ensure the cable watertight :

单根钢丝中心加强芯

Steel wire used as the central strength member

松套管内填充特种防水化合物

Loose tube filling compound

完全缆芯填充

100% cable core filling

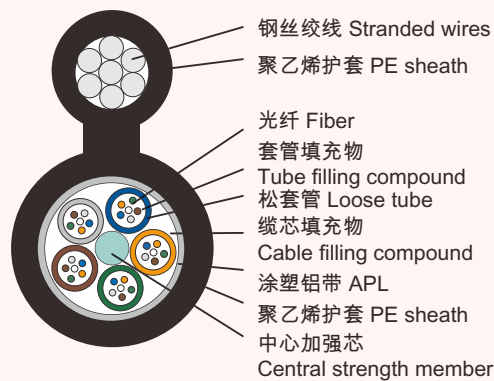
涂塑铝带(APL)防潮层

APL moisture barrier

### 产品标准 Standards

符合YD/T 1155-2001和IEC60794 - 1标准。

Complies with Standard YD/T 1155-2001 as well as IEC60794 - 1.



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	套管数 Tubes	填充绳数 Fillers	光缆重量 Cable Weight Kg/km	光缆直径 Cable Diameter mm	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
GYTC8A-2~6	2~6	1	4	214	6.8x9.2x18.0	600/1500	300/1000	10D/20D
GYTC8A-8~12	8~12	2	3	214	6.8x9.2x18.0	600/1500	300/1000	10D/20D
GYTC8A-14~18	14~18	3	2	214	6.8x9.2x18.0	600/1500	300/1000	10D/20D
GYTC8A-20~24	20~24	4	1	214	6.8x9.2x18.0	600/1500	300/1000	10D/20D
GYTC8A-26~30	26~30	5	0	214	6.8x9.2x18.0	600/1500	300/1000	10D/20D

储存、使用温度：-40℃至+70℃

Storage/Operating Temperature: -40℃ to +70℃



# 8字型中心束管式光缆(GYXTC8S)

## GYXTC8S type optical cable

### 产品描述 Description

GYXTC8S型光缆是中心管松套填充式、钢-聚乙烯粘结护套、8字型自承式的通信用室外光缆。

GYXTC8S type optical cable is center pipe loosing jacket filling type, steel-PE adhesive jacket, 8 font self undertaken type communication outdoor optical cable.

### 产品特点 Characteristics

全截面阻水结构，确保良好的阻水防潮性能

Being used full section water retardant structure it possesses good water retardant and dampproof property

松套管内填充特种油膏，对光纤进行关键性保护

Special factice is filled into inside of loosing jacket and takes key protection to optical fiber

纵包钢带加强光缆的抗侧压能力

Vertical wrapped steel strip strengthens resisting lateral pressure ability

8字型自承式结构抗拉强度高，便于架空敷设，安装成本低

8 font self undertaken type structure possesses high tensile strength and is convenient for aerial installation and its installation cost is cheap

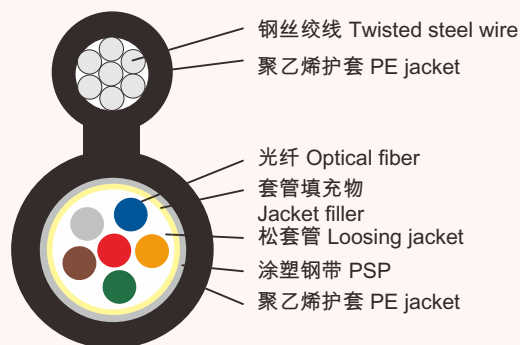
产品使用寿命30年以上

The service life of the product will be more 30 years

### 产品标准 Standards

符合YD/T 1155-2001和IEC60794 - 1标准。

Complies with Standard YD/T 1155-2001 as well as IEC60794 - 1.



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	松套管内 最大芯数 Fiber Count	光缆重量 Cable Weight Kg/km	光缆直径 Cable Diameter mm	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm
GYXTC8S-2~8	2~8	8	117	8.1x16.9	≥2000/≥6000	≥300/≥1000
GYXTC8S-10~12	10~12	12	121	8.3x17.0		

储存、使用温度：- 40°C至 + 70°C

Storage/Operating Temperature: - 40°C to + 70°C



# 接入光缆(ABC-I)

## Access Building Cable

### 产品描述 Description

ABC-I接入光缆的结构是将Φ250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。松套管外覆盖一层玻璃纤维加强元件，最外挤制一层低烟无卤材料 (LSZH、低烟、无卤、阻燃) 护套而成。  
 The fibers ,Φ250μm , are positioned in a loose tube made of high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is covered with a layer of glass yarn as strength member. The cable is completed with a LSZH (LSZH , Low smoke , Zero halogen , Flame-retardant) material Jacket.

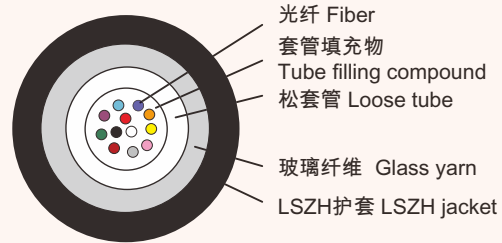
### 产品特点 Characteristics

- 具有很好的机械性能和温度特性  
Good mechanical and temperature performance
- 松套管材料本身具有良好的耐水解性能和较高的强度  
High strength loose tube that is hydrolysis resistant
- 玻璃纤维加强元件保证光缆的抗拉强度  
Glass yarn strength member ensure tensile strength
- 良好的抗压性和柔软性  
Crush resistance and flexibility



### 产品标准 Standards

符合YD/T 1258.4-2005,ICEA-596,GR-409,IEC 60794,IEC 332-1和IEC 332-3C等标准。  
 Comply with Standard YD/T 1258.4-2005,ICEA-596,GR-409,IEC 60794,IEC 332-1 and IEC 332-3C



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Type	光纤数 Fiber Count	光缆直径 Cable Diameter mm	中心束管直径 Unitube Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
ABC-I-02~12	2~12	6.8±0.5	3.0	55.5	400/1000	300/1000	10D/20D
ABC-I-14~24	14~24	7.8±0.5	4.0	67	400/1000	300/1000	10D/20D

运输 / 储存/使用温度： - 20°C~ + 60°C，安装温度： - 5°C~ + 50°C  
 Transport/Storage/Operating Temperature: - 20°C~ + 60°C，Installation Temperature: - 5°C~ + 50°C





# 接入光缆(ABC-IS)

## Access Building Cable

### 产品描述 Description

ABC-IS接入光缆的结构是将 $\Phi 250\mu\text{m}$ 光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。松套管外包覆一层玻璃纤维加强元件，再用一层双面涂塑钢带（PSP）纵包，最外挤制一层低烟无卤材料（LSZH、低烟、无卤、阻燃）护套而成。  
 The fibers,  $\Phi 250\mu\text{m}$ , are positioned in a loose tube made of high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is covered with a layer of glass yarn as strength member, then wrapped with a layer of PSP longitudinally. The cable is completed with a LSZH (LSZH, Low smoke, Zero halogen, Flame-retardant) material Jacket.

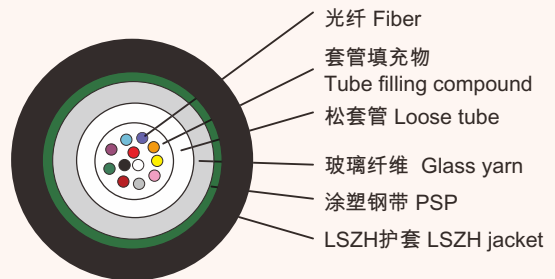
### 产品特点 Characteristics

- 具有很好的机械性能和温度特性  
Good mechanical and temperature performance
- 松套管材料本身具有良好的耐水解性能和较高的强度  
High strength loose tube that is hydrolysis resistant
- 良好的抗压性和柔软性  
Crush resistance and flexibility
- 双面涂层钢带（PSP）提高光缆的抗透潮能力  
PSP enhancing moisture-proof
- 玻璃纤维加强元件保证光缆的抗拉强度  
Glass yarn strength member ensure tensile strength
- 直径小、重量轻、容易敷设  
Small diameter, light weight and friendly installation
- 较长的交货长度  
Long delivery length



### 产品标准 Standards

符合YD/T 1258.4-2005, ICEA-596, GR-409, IEC 60794, IEC 332-1和IEC 332-3C等标准。  
 Comply with Standard YD/T 1258.4-2005, ICEA-596, GR-409, IEC 60794, IEC 332-1 and IEC 332-3C



光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Type	光纤数 Fiber Count	光缆直径 Cable Diameter mm	中心束管直径 Unitube Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
ABC-IS-02~12	2~12	9.3±0.5	3.0	110	400/1000	300/1000	10D/20D
ABC-IS-14~24	14~24	10.6±0.5	4.0	134	400/1000	300/1000	10D/20D

运输 / 储存/使用温度：- 20°C~ + 60°C，安装温度：- 5°C~ + 50°C  
 Transport/Storage/Operating Temperature: - 20°C~ + 60°C, Installation Temperature: - 5°C~ + 50°C



# 接入光缆(ABC-II)

## Access Building Cable

### 产品描述 Description

ABC-II接入光缆的结构是将 $\Phi 250\mu\text{m}$ 光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。松套管外包覆一层芳纶加强元件，最外挤制一层低烟无卤材料 (LSZH、低烟、无卤、阻燃) 护套而成。

The fibers,  $\Phi 250\mu\text{m}$ , are positioned in a loose tube made of high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is covered with a layer of aramid yarn as strength member. The cable is completed with a LSZH (LSZH, Low smoke, Zero halogen, Flame-retardant) material Jacket.

### 产品特点 Characteristics

具有很好的机械性能和温度特性

Good mechanical and temperature performance

松套管材料本身具有良好的耐水解性能和较高的强度

High strength loose tube that is hydrolysis resistant

良好的抗压性和柔软性

Crush resistance and flexibility

芳纶加强元件保证光缆的抗拉强度

Aramid yarn strength member ensure tensile strength

直径小、重量轻、容易敷设

Small diameter, light weight and friendly installation

较长的交货长度

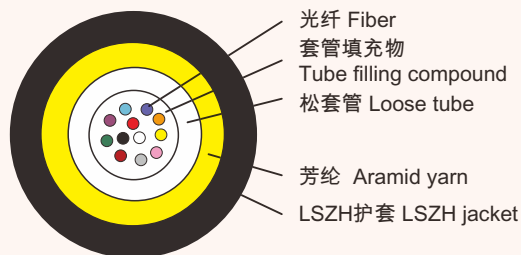
Long delivery length



### 产品标准 Standards

符合YD/T 1258.4-2005, ICEA-596, GR-409, IEC 60794, IEC 332-1 和 IEC 332-3C 等标准。

Comply with Standard YD/T 1258.4-2005, ICEA-596, GR-409, IEC 60794, IEC 332-1 and IEC 332-3C



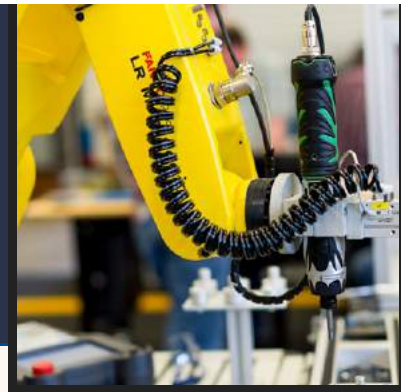
光缆结构图  
Cable structure

### 结构参数 Technical parameters

光缆型号 Cable Type (以2纤递增) (Increased by 2 fibers)	光纤数 Fiber Count	光缆直径 Cable Diameter mm	中心束管直径 Unitube Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
ABC-II-02~12	2~12	6.2±0.5	3.0	40	200/600	300/1000	10D/20D
ABC-II-14~24	14~24	7.0±0.5	4.0	50	200/600	300/1000	10D/20D

运输 / 储存/使用温度：- 20°C~ + 60°C，安装温度：- 5°C~ + 50°C

Transport/Storage/Operating Temperature: - 20°C~ + 60°C, Installation Temperature: - 5°C~ + 50°C



# 接入光缆(ABC-IIS)

## Access Building Cable

### 产品描述 Description

ABC-IIS接入光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。松套管外覆盖一层芳纶加强元件，再用一层双面涂塑钢带（PSP）纵包，最外挤制一层低烟无卤材料（LSZH、低烟、无卤、阻燃）护套而成。

The fibers ,250μm , are positioned in a loose tube made of high modulus plastic. The tubes are filled with a water-resistant filling compound.The tube is covered with a layer of aramid yarn as strength member.then wrapped with a layer of PSP longitudinally. The cable is completed with a LSZH(LSZH , Low smoke , Zero halogen , Flame-retardant)material Jacket.

### 产品特点 Characteristics

具有很好的机械性能和温度特性

Good mechanical and temperature performance

松套管材料本身具有良好的耐水解性能和较高的强度

High strength loose tube that is hydrolysis resistant

良好的抗压性和柔软性

Crush resistance and flexibility

芳纶加强元件保证光缆的抗拉强度

Aramid yarn strength member ensure tensile strength

双面涂层钢带（PSP）提高光缆的抗透潮能力

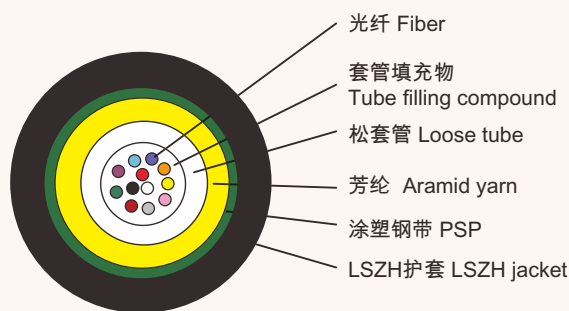
PSP enhancing moisture-proof

直径小、重量轻、容易敷设

Small diameter, light weight and friendly installation

较长的交货长度

Long delivery length



光缆结构图  
Cable structure

### 产品标准 Standards

符合YD/T 1258.4-2005,ICEA-596,GR-409,IEC 60794,IEC 332-1和IEC 332-3C等标准。

Comply with Standard YD/T 1258.4-2005,ICEA-596,GR-409,IEC 60794,IEC 332-1 and IEC 332-3C

### 结构参数 Technical parameters

光缆型号 Cable Type	光纤数 Fiber Count	光缆直径 Cable Diameter mm	中心束管直径 Unitube Diameter mm	光缆重量 Cable Weight Kg/km	允许拉伸力 Tensile Strength 长期 / 短期 Long/Short term N	允许压扁力 Crush Resistance 长期 / 短期 Long/Short term N/100mm	弯曲半径 Bending Radius 静态 / 动态 Static/Dynamic mm
ABC-IIS-02~12	2~12	7.3±0.5	3.0	54	200/660	300/1000	10D/20D
ABC-IIS-14~24	14~24	8.6±0.5	4.0	70	200/660	300/1000	10D/20D

运输 / 储存/使用温度： - 20°C~ + 60°C，安装温度： - 5°C~ + 50°C

Transport/Storage/Operating Temperature: - 20°C~ + 60°C , Installation Temperature: - 5°C~ + 50°C



# FOC系列熔融拉锥型光纤分路器

## FOC series of fused-tapered optical fiber branching device

### 产品描述 Description

由光纤构造通过拉锥实现光信号按比例分离和组合，用于通信系统及有线电视的分路或双向工作。具有优异的光学性能和高可靠性。附加损耗低、方向性好、波长平坦性好、环境稳定性好，适用于各种恶劣环境、多种封装形式可选。

The separation and combination of optical signal pro rata can be realized by tapered optical fiber structure, used for the branch or bidirectional work of telecom system and CATV. With excellent optical property and high reliability, low additional loss, good directionality, good flatness of wave length, good environmental stability, suitable for various bad environments, various packing form for choosing.

### 产品分类 Product classification



### 结构参数 Technical parameters

分路器性能表：

产品类型(type of product)	标准型(standard type)	宽带型(broad band type)	双窗口(bi-window)
工作波长(working wave length)	1310或1550nm	1310或1550nm	1310或1550nm
带宽(bandwidth)	±20nm	±40nm	±40nm
附件损耗(accessory loss)	≤0.10dB	≤0.15dB	≤0.15dB
均匀性(uniformity)	≤0.6dB	≤0.6dB	≤0.6dB
偏振平坦度(polarization flatness)	≤0.1dB	≤0.1dB	≤0.1dB
方向性(directionality)	≥55dB	≥55dB	≥55dB

分路器同附加损耗值的分配图

N	附加损耗值 (additional loss value)	N	附加损耗值 (additional loss value)	N	附加损耗值 (additional loss value)	N	附加损耗值 (additional loss value)	N	附加损耗值 (additional loss value)
3	< 0.3(db)	4	< 0.4(db)	5	< 0.45(db)	6	< 0.5(db)	7	< 0.55(db)
8	< 0.6(db)	9	< 0.7(db)	10	< 0.8(db)	11	< 0.9(db)	12	< 1.0(db)
16	< 1.2(db)								

环境测试

可靠性试验条件(test condition of reliability)	
高温试验(high temperature test)	85±2°C, 2000小时(85±2°C, 2000 hr)
湿热试验(damp heat test)	75±2°C, 90±5%RH, 2000小时(75±2°C, 90±5%RH, 2000 hr)
低温试验(low temperature test)	- 40±5°C, 2000小时(- 40±5°C, 2000 hr)
浸水试验(water immersion test)	43±2°C, PH5.5±0.5, 168小时(43±2°C, PH5.5±0.5, 168 hr)
温度循环试验(temperature cycling test)	-40±2°C至75±2°C, 500个周期(-40±2°C to 75±2°C, 500 cycles)
振动试验(vibration test)	10Hz至2000Hz, 振动幅度1.52mm, 3个方向, 4小时/方向 10Hz to 2000Hz, amplitude of vibration 1.52mm, tri-direction, 4hr/direction
冲击试验(impact test)	1.8m高, 3个方向, 8次/方向(1.8m height, tri-direction, 8times/direction)



# 光纤适配器系列

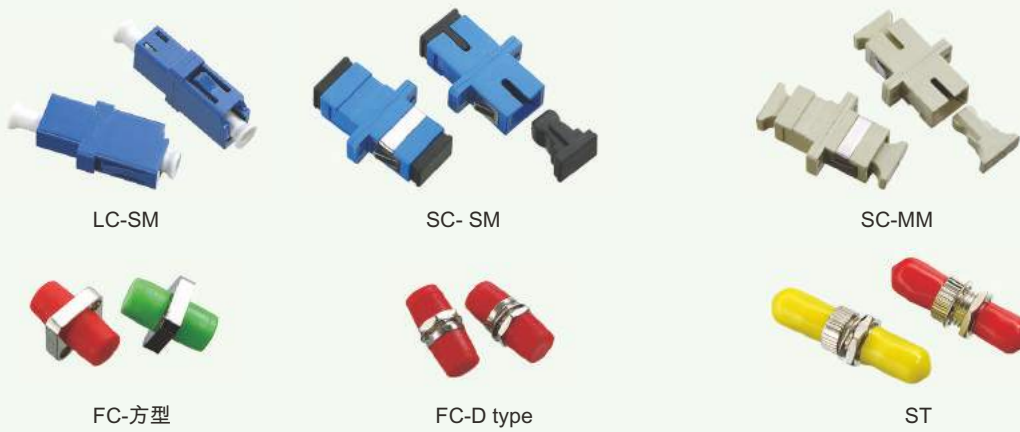
## Optical fiber adapter series

### 产品描述 Description

根据光纤活动连接器的连接头选择型号。按连接头结构形式可分为：FC、SC、ST、LC、MTRJ、MPO、MU、SMA、DDI、DIN4、D4、E2000各种形式，利用良好烧结技术确保优异强度、稳定度（200~600gf插拔力）。

Choose type in accordance with connecting head of optical fiber movable connector. According to the structural form of connecting head, it can be divided into FC、SC、ST、LC、MTRJ、MPO、MU、SMA、DDI、DIN4、D4、E2000 various types. The excellent strength and stability (200~600gf insertion and extraction force) can be got by good sintered technology.

### 光纤适配器 AOC type optical fiber adapter



### 转接光纤适配器 AOC type switching optical fiber adapter



### 双工光纤适配器 AOC type duplex optical fiber adapter





# 铠装光纤跳线

## Armored fiber optic patch cord

### 产品描述 Description

该光缆是在光纤外加一微小的不锈钢管作保护。与传统光缆相比，该光缆具有高抗压强度、抗拉强度高、防鼠咬、直径小、柔软易弯曲等特性，可用于各种恶劣环境，广泛应用于光纤温度传感系统工程；该光缆可与标准3.0mm光纤连接器匹配，用其加工成的铠装光纤跳线可像电缆线一般轻松使用，成为光纤到桌面的解决方案。

This optical cable is used micro stainless steel pipe as protection at outside of optical fiber. Compared with traditional optical fiber, this optical cable features high compressive resistance, high tensile strength, anti-rat bite, small diameter, flexible, etc., may be used for various bad environments, wide used for optical fiber temperature sensor system engineering; this optical cable may be matched with standard 3.0 mm optical fiber connector. The armor fiber optic jumper can be used as cable easily and has become a solution from optical fiber to table board.

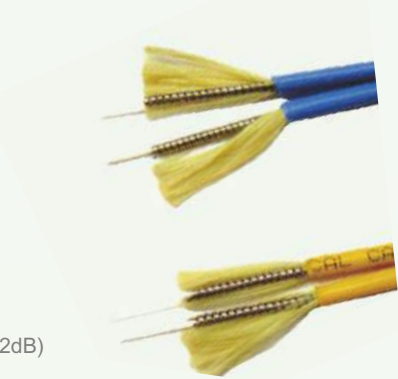
### 适用范围 Scope of application

- 光纤到户 (FTTH)
- Optical fiber to the home (FTTH)
- 光纤CATV
- Optical fiber CATV
- 光纤通讯系统
- Optical fiber communication system
- 国防战备光纤系统
- Optical fiber of national defense combat readiness



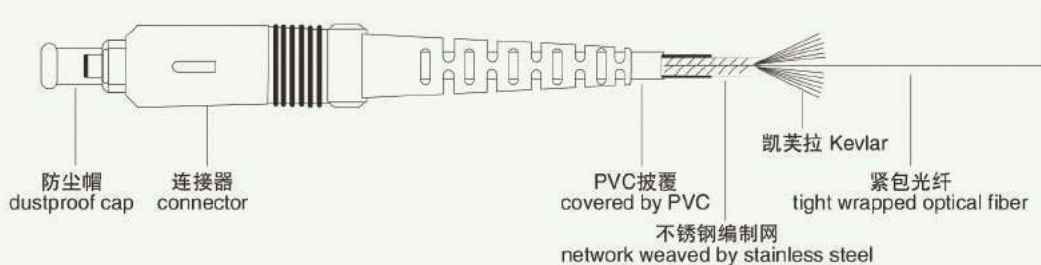
### 原材料组成 Raw material composition

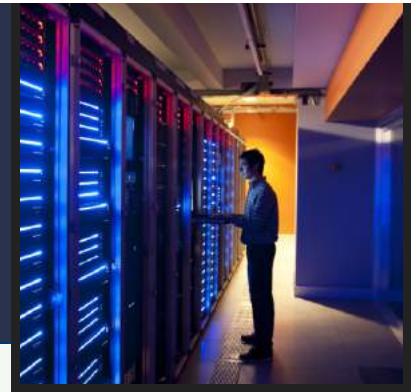
- 符合IEC和YD-T826/1996标准
- Conform to IEC and YD-T826/1996 standard
- 高回波衰减、低插入损耗
- High echo attenuation, low insertion loss
- 不锈钢护套管保护
- Stainless steel jacket protection
- PC、UPC、APC三种形式
- PC, UPC, APC three types
- 双芯与单芯两种光缆
- Bi-core and single core two kinds of optical cable
- 光缆直径Φ2.0、Φ3.0等
- Diameter of optical cable Φ2.0, Φ3.0, etc.



### 技术指标 Technical index

- 插入损耗：单模(PC≤0.3dB, UPC≤0.2dB, APC≤0.2dB)，多模(PC≤0.2dB)
- Insertion loss: single mould (PC≤0.3dB, UPC≤0.2dB, APC≤0.2dB), multi-mould (PC≤0.2dB)
- 回波损耗：PC≥45dB, UPC≥50dB, APC≥65dB
- Echo attenuation: PC≥45dB, UPC≥50dB, APC≥65dB
- 重复性：(1000次)：≤0.2dB
- Repeatability: (1000 times)：≤0.2dB
- 温度范围：-40°C~+80°C
- Scope of temperature：-40°C~+80°C





## 标准光纤跳线 Standard optical fiber patch cord

### 适用范围 Scope of application

光纤到户 (FTTH)  
Optical fiber to the home  
光纤CATV  
Optical fiber CATV  
光纤通讯系统  
Optical fiber communication system

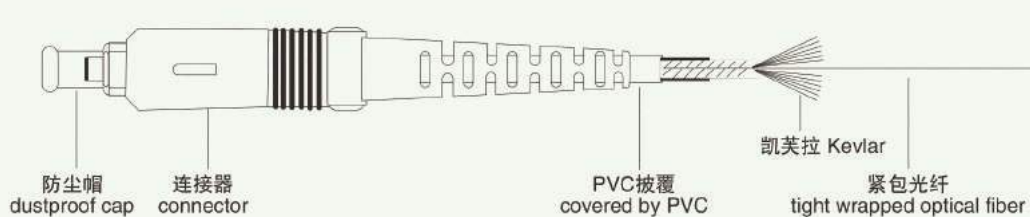
### 原材料组成 Raw material composition

符合IEC和YD-T826/1996标准  
Conform to IEC and YD-T826/1996 standard  
高回波衰减、低插入损耗  
High echo attenuation, low insertion loss  
不锈钢护套管保护  
Stainless steel jacket protection  
PC、UPC、APC三种形式  
PC, UPC, APC three types  
双芯与单芯两种光缆  
Bi-core and single core two kinds of optical cable  
光缆直径 $\Phi 2.0$ 、 $\Phi 3.0$ 等  
Diameter of optical cable  $\Phi 2.0$ ,  $\Phi 3.0$ , etc.



### 技术指标 Technical index

插入损耗：单模 (PC $\leq 0.3$ dB, UPC $\leq 0.2$ dB, APC $\leq 0.2$ dB)，多模 (PC $\leq 0.2$ dB)  
Insertion loss: single mould (PC $\leq 0.3$ dB, UPC $\leq 0.2$ dB, APC $\leq 0.2$ dB), multi-mould (PC $\leq 0.2$ dB)  
回波损耗：PC $\geq 45$ dB, UPC $\geq 50$ dB, APC $\geq 65$ dB  
Echo attenuation: PC $\geq 45$ dB, UPC $\geq 50$ dB, APC $\geq 65$ dB  
重复性：(1000次)： $\leq 0.2$ dB  
Repeatability: (1000 times)： $\leq 0.2$ dB  
温度范围：-40 $^{\circ}$ C~+80 $^{\circ}$ C  
Scope of temperature：-40 $^{\circ}$ C~+80 $^{\circ}$ C





# 帽式接续盒

## Dome type fiber splice closure

### 概述 Description

这一系列的帽式接头盒系列为二进二出的机械密封的立式光缆接头盒，适用于光缆的架空和直埋的直通、分歧连续。本产品为开起式的优质工程塑料箱体，箱体与底座采用抱压紧硅橡胶的密封结构。进缆孔采用螺纹机械密封。本产品密封后可重复开启。本产品适用于直埋、空架安装。

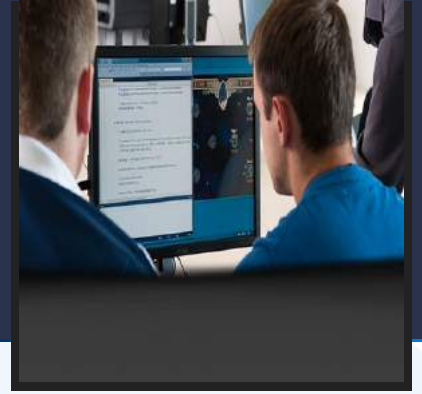
This series closure is two-in-two-out mechanical seal vertical optical cable connector box and is suitable for straight way and branch connection of optical cable aerial and buried directly splicing. This product adapts opening high quality engineering plastic closure body. The closure body and base adapt pressed silicon rubber seal structure. Cable incoming hole adapts mechanical screw seal. After sealing, the product can be opened repeatedly. This product is suitable for buried directly and aerial installation.



### 结构参数 Technical parameters

型号(type)	BF-CB-A
尺寸:长x宽x高length× width× height (mm)	435xΦ160
适合光缆直径suitable optical cable diameter(mm)	Φ10~Φ22
材料(material)	ABS/PC
熔纤盘最多芯( Max core of fiber-melting reel)	24
最多熔纤盘数量(Max quantity of fiber-melting reel)	4
最大容量(芯)Max capacity (core)	96
密封方式(seal way)	自粘胶带螺纹机械密封 硅橡胶 ( self adhesive tape screw mechanical seal, silicon rubber )
工作温度working temperature (°C)	-40 °C~+85°C





# 卧式接续盒

## Horizontal type fiber splice closure

### 概述 Description

这一系列的卧式接头盒为二进二出；采用复合工程塑料盒体和密封材料填充结构，可用于极端气候；外部结构采用不锈钢材料；本产品可重复开启；适用于埋地、架空、管道安装。

This series horizontal closure is two-in-two-out; adapting compound engineering plastic box body and seal material filling structure, may be used for extreme climate; outside material adapts stainless steel. The product may be opened repeatedly. This product is suitable for buried, aerial and pipeline installation.



BF-HB-D



BF-HB-C



BF-HB-E





# FTTH楼道分光箱

## FTTH corridor box

### 概述 Description

广泛应用于FTTH网络，电信网络，CATV网络，数据通信网络，局域网等。

Wide used for FTTH network, telecom network, CATV network, data communication network, local area network, etc.

### 产品特征 Product features

产品由优质的抗冲击塑料制成，具有标准的用户适用界面。

The product is made of anti-impact plastic and possesses standard customer applied interface

能容纳安装1x4或1x8或1x16PLC分路器。具有抗紫外线，冲击，和防水的功能。

Can hold and install 1x4 or 1x8 or 1x16PLC splitter, possess anti UV radiation, anti-impact and waterproof function

可容纳16根FTTH用户电缆。

May hold 16 pieces of FTTH customer cable

可挂墙和抱杆安装。

May be wall mounted and pole held installation

有2光缆入口，和16光缆出口。

Possess 2 optical cable inlets and 16 optical cable outlets



### 结构参数 Technical parameters

型号 (type)	BF-FTTH-E	BF-FTTH-F
尺寸 (mm) 高x深x宽 (height x depth x width)	550x450x220	550x450x220
适用光缆直径 (suitable optical cable diameter mm)	Φ10-Φ22	Φ10-Φ22
光缆进出口数 (optical cable inlet and outlet quantity)	2	2
熔纤盘最大芯数 (Melt fine dish some largest)	24单芯 (single core)	24单芯 (single core)
最多熔纤盘数量 (Max molten fiber reel quantity)	3	3
主干光纤最大容量 (Max wiring optical fiber capacity)	12单芯 (single core)	12单芯 (single core)



For more information, please visit us at:  
[www.zion-communication.com](http://www.zion-communication.com)



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**Skype:** abc1.2

**ICQ:** 640846810

**Whatsapp:** +86 13777460328

**Email:** [james@zion-communication.com](mailto:james@zion-communication.com)