

集团介绍

Group Introduction



综合布线系统产品制造商

Manufacturer of Integrated Cabling System Products

综合性国际化企业集团

Comprehensive International Enterprise Group



生产基地 | Production Base



20+
专利产品
Patented Product



20+
行业经验
More than 20 Years of Industry Experience



100+
国家和地区业务覆盖
Number of Countries and Regions covered



5000+
服务客户总数
Total Number of Customers Served

奥威尔集团专注于各类网线、光纤光缆、光配件产品研发/制造/营销/服务、国内贸易和进出口贸易等产业于一体的国际化企业集团。旗下拥有奥威尔通信科技、奥威尔光电、揭阳维斯科、浙江光纤光缆和浙江同轴五个工厂。

深圳奥威尔通信科技, 主要致力于新产品的研发; 惠州奥威尔光电, 专注于各类光纤光缆产品的技术研发及生产, 月生产能力可满足7万-10万公里的需求; 揭阳维斯科线缆, 专注于网线及网络布线系统需要的周边产品; 浙江光纤光缆生产基地, 专注于光纤光缆产品的研发及生产; 浙江同轴生产基地, 针对创新同轴产品的研发及生产。

- **Owire Group has five cable subsidiaries, covering the R&D, manufacturing and sales of various network cables, optical fiber cables, and accessories.**
- Shenzhen Owire focus on the production of various types of network cables, with a monthly production capacity of 20,000 boxes.
- Huizhou Owire focus on all kinds of fiber optic cables, monthly production capacity can meet the need of 70.000KM-100.000KM.
- Guangdong Vasco focus on all kinds of network cables, with a monthly production capacity of 50,000 boxes.
- Zhejiang fiber optic cable production base focus on the R&D and production of optical fiber cables.
- Zhejiang coaxial cable production base focus on the R&D and production of coaxial products.



7万+

网线月产能达7万箱
LAN Cable Monthly Production Capacity Reaches 70k Boxes

2亿+

年销售额破2亿
Annual Sales Exceeding 200 Million

5大

5大生产基地
Five Major Production Bases

10万+

光缆月产能10万公里
Fiber Optic Cable Monthly Production Capacity Reaches 100.000 KM

发展历程

Development History

创新之路 The Road to Innovation

2009 | 起势

奥威尔品牌正式创立
在深圳龙岗创办第一家工厂, 占地面积2万m²
拥有成套自动化网络布线产品生产与检测设备
至今拥有自主研发的20多项专利产品

The first factory of Owire was founded in Longgang, Shenzhen, covering an area of 20,000 square meters. It has a complete set of automated production and testing equipment for network cabling products. Up to now, it has more than 20 patented products independently developed.

2015 | 聚势

奥威尔扩张成为集团公司, 同年被评为
国家高新技术企业, 技术水平达到国际先进水平

Owire expanded to a group company. In the same year, it was evaluated as a National High-Tech Enterprise. The technical level has reached the international advanced level.

2024 | 爆发

集团总部及核心工厂完成战略性搬迁
产能和效率实现双重飞跃
外贸业务爆发式增长, 与多个国际合作伙伴
达成重要合作

The headquarters and core factory have completed a strategic relocation. Both production capacity and efficiency have achieved a major leap. Foreign trade business has grown explosively and important cooperation has been reached with multiple international partners.

1999 | 始源

奥威尔起源于深圳华强北
前身是华强北一家综合布线产品贸易商
主要销售网线及网络配件

Owire originated in Huaqiangbei, Shenzhen as a trader of network cable and accessories.

2019 | 变势

外贸业务取得重大突破, 年销售额突破2亿
同年奥威尔在深圳建立万科外贸营销中心

The foreign trade business has achieved a major breakthrough with annual sales exceeding 200 million RMB. In the same year, Vanke Foreign Trade Marketing Center was established.

2022 | 创新

奥威尔入选深圳市“专精特新”中小企业
同时在广东惠州、广东揭阳设立生产基地
精益管理旗下网线、光纤光缆、光配件、同轴
和布线系统等产品品牌

Owire was selected as a "Specialized and New" SMES. Production bases were established in Huizhou and Jieyang of Guangdong Province. We conduct management on Owire brands.

有线世界 无限未来
Cable Today · Wonderful Tomorrow



企业文化

Enterprise Culture



精彩瞬间 | Exciting Moments

· 企业使命 Mission

为员工谋福利、为企业谋发展、为社会做贡献
Create benefits for staff, Make contribution to society

· 企业目标 Goals

创国内一流、国际领先企业
Devoting to be a first-class worldwire enterprise

· 企业作风 Enterprise Style

诚 严 细 迅 实
Honest, Strict, Accurate, Rapid and Pragmatic

· 企业精神 Spirit

务实、创新
Being pragmatic and innovative

· 经营发展方针 Management and Development Policy

以终生学习发展全员素质、以持续创新提升公司产品、以职业精神栽培企业品牌
Develop the quality of all staff through lifelong learning. Improve the products with continuous innovation and cultivate the enterprise brand with professional spirit.

· 企业质量方针 Quality Policy

精益求精 真诚服务 力争超越客户期望
Keeping improving, Serving sincerely, and striving to exceed customer expectation

· 经营理念 Operational Concept

创新思维 超越自我 追求卓越 和谐发展
Promote creativity, Exceeding yourself, Pursue excellence, Harmonious development

集团实力

Group Strength

一流国际贸易服务能力

拥有一支15年以上国际贸易和出口经验的团队，提供售前、售后和海运等国际贸易一站式服务。

First-Class International Trade Service Capabilities

A team with more than 15 years experience in international trade and export, providing services such as presales, aftersales and shipping customs clearance.

以创新发展为先导，
打造研发、生产、销售、服务一体化，
形成主体产业突出、多元化发展的产业格局。

Guiding by innovation and development.
Creating the integration of R&D, production, sales and service.
Forming an prominent main business
and diversified development Industry structure.



合作品牌 Cooperation Partners

HUAWEI



期待与您合作

We sincerely look forward to your cooperation!



lenovo



PHILIPS



电子商务平台及社交媒体 E-Commerce Platform & Social Media



1688



展会经历 Exhibition Experience



Global Sources Fair — HK



Canton Fair



Asia Tech X Singapore



Netcom Brazil



Ictcomm Vietnam



Global Sources Electronic — Indonesia

广交会 Canton Fair | 美国展 CES U.S.A | 俄罗斯通讯展 Russian Communication Exhibition | 环球资源展 — 中国香港/迪拜/巴西 Global Sources Fair - Hongkong/Dubai/Brazil | 德国汉诺威通讯展 CeBIT

集团荣誉 Group Honors

荣获“2023北京安博会创新产品优秀奖”
2023 Security China Innovative Product Excellence Award

最具市场竞争力品牌
The Most Competitive Brand in The Market

中国名牌产品
Chinese Famous Brand Products

获得20多项专利认证及4个软件著作权
More Than 20 Patent Certifications and 4 Software Copyrights

通信行业最具影响力品牌
The Most Influential Brand in The Communication Industry

国内外产品认证
Product Certification at Home and Abroad

光纤光缆生产设备

Optical Fiber Equipment



检验中心

Test Center



二次元 / The two dimension



硬度计 / Shore Hardness Tester



检测设备

Testing Equipment



氧指数测定仪
Oxygen Index Tester



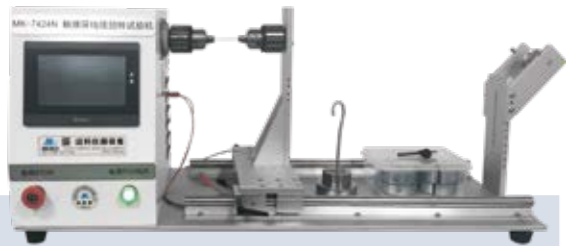
熔体流动速率仪
Melt Indexer



光纤熔接机
Fiber Optic Fusion Splicer



电子天平
Electronic Balance



扭转测试仪
Torsion Tester



印字耐磨机
Printing Wear-resistant
Machine



密度计
Densitometer



拉伸机
Tensile Machine



可程式恒温
恒湿试验机
Temp&humi
Programmable
Chamber



单根垂直
燃烧试验机
Vertical Burning Testing
Machine For Single
Wire And Cable



老化箱
Aging Chamber

认证证书

Certificates of Authentication

追求卓越 实力认证

Pursuing Excellence and Strength Certification

客户的信任源于
奥威尔对国际高标准的追求
Customers' trust comes from Owire's pursuit of
high international standards



权威的认证 源于苛刻的要求
Authoritative certification stems from stringent requirements



专精特新中小企业
Shenzhen "SRDI" Enterprise

营业执照
Business License

高新技术企业
High Tech Enterprises

认证证书

Certificates of Authentication



所有生产工艺及原材料均符合欧盟RoHS环保指令 连续多年获得多家客户的绿色伙伴认证
 All production processes and raw materials comply with the EU RoHS environmental protection directive. And obtained green partner certification from multiple customers for many years.



ISO证书/Certificate



SA8000证书/Certificate



CPR证书/Certificate



TLC证书/Certificate



RoHS for FTTH



CE for Optical Fiber Patchcord



FCC & RoHS for Optical Patch cord



CAT5E CPR



CAT6 CPR



CAT5E CE



CAT6 CE



UL 证书/Certificate



BV RV BVR CCC 证书/Certificate



CAT5E CAT6 RoHS



CE for FTTH Drop Cable



RVV CCC 证书/Certificate



RVVP AVVR AVR CCC 证书/Certificate

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Optical Fiber Cable Equipment

08 / 检验中心
Test Center

09 / 检测设备
Testing Equipment

10 / 认证证书
Certificates of Authentication

A 室内光缆

Indoor Optical Cable

P18 / 紧套光纤
Tight Buffer Fiber

P19 / 单芯光缆
(GJFJH/V-1C) Simplex Optical Fiber Cable

P20 / 迷你自承式单芯引入光缆
(GJYFJU/H-1C) Mini Self-Supporting Simplex Optical Fiber Access Cable

P21 / 双芯光缆
(GJFJBH/V-2C) Duplex Optical Fiber Cable

P22 / 配线光缆
(GJPFJH/V-(2-144)C) Distribution Optical Fiber Cable

P23 / 分支光缆
(GJBFJH/V-24C) Breakout Optical Fiber Cable

P24 / 迷你光缆
(GJIFH/V-(2-384)C) Mini Optical Fiber Cable

B 室外光缆

Outdoor Optical Cable

P27 / 管道用蝶形引入光缆
(GJYXFHA/S-(1-2)C) Bow-type Drop Cable for Duct

P28 / 松套管式非铠装光缆
(GYTA-(2-288)C) Stranded Loose Tube Non-Armored Cable

P29 / 松套管式轻铠装光缆
(GYTS-(2-288)C) Stranded Loose Tube Light-Armored Cable

P30 / 松套管式普通铠装光缆
(GYTY53-(2-288)C) Stranded Loose Tube Armored Cable

P31 / 松套管式加强铠装光缆
(GYTA53-(2-288)C) Stranded Loose Tube Armored Cable

P32 / 松套管式单层细圆钢丝铠装光缆
(GYTA53+33-(2-288)C) Stranded Loose Tube Single layer Steel Wire Armored Cable

P33 / 松套管式非金属加强件非铠装光缆
(GYFTY-(2-288)C) Stranded Loose Tube Non-metallic Strength Member Non-armored Cable

P34 / 松套管式非金属加强件非铠装光缆
(GYFTA-(2-288)C) Stranded Loose Tube Non-metallic Strength Member Non-armored Cable

P35 / 松套管式非金属加强件普通铠装光缆
(GYFTY53-(2-288)C) Stranded Loose Tube Non-metallic Strength Member Armored Cable

P36 / 松套管式非金属加强件铠装光缆
(GYFTA53-(2-288)C) Stranded Loose Tube Non-metallic Strength Member Armored Cable

P37 / 松套管式非铠装光纤带光缆
(GYDTA-(48-432)C) Stranded Loose Tube Non-Armored Ribbon Fiber Cable

P38 / 松套管式轻铠装光纤带光缆
(GYDTS-(48-432)C) Stranded Loose Tube Light-Armored Ribbon Fiber Cable

P39 / 中心管式轻铠装光缆
(GYXTW-(2-24)C) Center Loose Tube Light-Armored Optical Fiber Cable

P40 / 中心管式非铠装光缆
(GYXY-(2-24)C) Center Loose Tube Non-Armored Optical Fiber Cable

P41 / 中心管式铠装光缆
(GYXTS) Center Loose Tube Armored Optical Fiber Cable

P42 / 中心管式非金属非铠装光缆
(GYFXTY-(2-24)C) Center Loose Tube Non-metallic Non-Armored Optical Fiber Cable

P43 / 迷你全介质自承式光缆/品字缆
(ASU-(2-24)C) Mini All Dielectric Self-Supporting Optical Fiber Cable

P44 / 中心管式自承式扁平架空光缆
(GYFXTBY-(2-24)C) Center Loose Tube Flat Aerial Self-Supporting Optical Fiber Cable

P45 / 8字形层绞自承式非铠装光缆
(GYTC8A) Figure-8 Stranded Loose Tube Self-Supporting Non-armored Cable

P46 / 全介质自承式光缆
(ADSS-(2-288)C) All Dielectric Self-Supporting Optical Fiber Cable

P47 / 中心管式非金属气吹微缆
(JET) Center Loose Tube Non-metallic Air-blowing Micro Cable

P48 / 松套管式非金属气吹微缆
(JET) Stranded Loose Tube Non-metallic Air-blowing Micro Cable

P49 / 8字形中心管自承式非铠装光缆
(GYXTC8Y-(2-24)C) Figure-8 Center Loose Tube Self-Supporting Non-armored Cable

P50 / 8字形中心管自承式轻铠装光缆
(GYXTC8S-(2-24)C) Figure-8 Center Loose Tube Self-Supporting Light-armored Cable

P51 / 中心管式光纤复合架空地线
(OPGW) Center Tube Optical Fiber Composite Overhead Ground Wire

P52 / 层绞式光纤复合架空地线
(OPGW) Stranded Tube Optical Fiber Composite Overhead Ground Wire

P53 / GDVV/GDHH/GDJH型光电复合缆
The GDVV/GDHH/GDJH type Optoelectronic hybrid cable

P54 / GJXH型光电复合缆
The GJXH type Photoelectric hybrid cable

C FTTH光缆

FTTH Optical Cable

P57 / 8字形自承式圆形引入光缆
(GJYFJC8H-(1-4)C) Fig8 Self-Supporting Round Type Drop Cable

P58 / 接入网用室内蝶形引入光缆
(GJX(F)H) FTTH Indoor Bow-type Optical Fiber Cable

P59-P60 / 自承式接入网用室内外蝶形引入光缆
(GJYX(F)CH) Self-supporting Bow-type Optical Fiber Drop Cable

D 光纤跳线和尾纤

Optical fiber Patch cord and pigtail

P64 / 室内单、双芯跳线
Indoor Simplex and Duplex Patch Cord

P65 / 预制成端蝶形光缆跳线
Pre-terminated Drop Cable Patch Cord

P66 / 多芯室内外跳线
Multi-core Indoor and Outdoor Patch Cord

P67 / MPO/MTP
Multi-fiber Push On/
Multi-fiber Termination Push-on

P68 / 预端接防水连接器
Pre-terminated waterproof connector

E 光缆配件

Fiber Optic Cable Accessories

P71 / 光模块
Optical Module

P72-P74 / PLC光分路器
PLC Optical splitter

P75 / 光缆分纤箱
Optical Fiber Cable Distribution Box (ODB)

P76 / 光缆接头盒
Fiber Optical Splice Closure

P77-P81 / 光缆金具
Optical Cable Fitting

A 室内光缆

Indoor Optical Cable



光纤类型 Category	衰减 Attenuation				满注入带宽 Overfilled Lanuch Bandwidth	有效模式带宽 Effective Mode Bandwidth	10G以太网链路长度 SX	最小弯曲半径 Min Bending Radius
	1310/1550nm		850/1300nm					
条件 Condition	典型值 Typical	最大值 Max	典型值 Typical	最大值 Max	850/1300nm	850nm	850nm	/
单位 Unit	dB/km	dB/km	dB/km	dB/km	MHz.km	MHz.km	m	mm
G652D	0.36/0.22	0.4/0.3	---	---	---	---	---	16
G657A1	0.36/0.22	0.4/0.3	---	---	---	---	---	10
G657A2	0.36/0.22	0.4/0.3	---	---	---	---	---	7.5
G657B3	0.36/0.22	0.4/0.3	---	---	---	---	---	5
OM1	---	---	3.0/1.0	3.5/1.5	≥200/500	---	---	30
OM2	---	---	3.0/1.0	3.5/1.5	≥500/500	---	---	30
OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	30
OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	30
BI-OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	7.5
BI-OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	7.5



产品简介 | Product Description

◆ 紧套光纤是在被覆光纤外挤制一层缓冲材料而成。通过选择优质光纤，使用专用设备，配合精密模具，使产品具有优良的性能。
Tight buffer fiber is produced as that fiber is sheathed by buffer material. The selection of high-quality fiber, the specific production equipment and the accurately designed die make the performance of product.

产品特点 | Characteristics

- ◆ 紧套光纤外径均匀，剥离性好
Good uniformity of the outer diameter of tight buffer fiber and excellent strippability
- ◆ 高、低温特性稳定
Low induced attenuation within the operating temperature range
- ◆ 光纤的几何尺寸一致性好
Excellent geometrical dimension of the fiber

结构参数 Technical Parameters

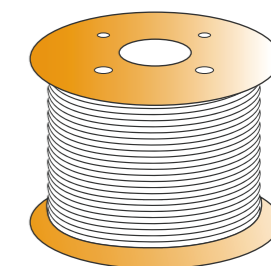
紧套光纤 型号 TBF Code	光纤涂层 直径(μm) Coating Diameter	紧套光纤 直径(μm) TBF Diameter	紧套光纤 重量 TBF Weight (kg/km)	允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic	涂层剥离力(N) Coating Strip Force
TBF - I	245±10	900±50	0.9	3/6	100/500	30/60	≤13.3
TBF - II	245±10	600±50	0.45	3/6	100/500	30/60	≤13.3

产品应用 Applications

- 室内光缆用子单元
The unit of indoor cable
- 有源及无源光器件尾纤和跳纤
Making pigtail and patchcord
- 数据通讯传输
Data communication

运输/储存/使用温度 Transport/Storage/Operating Temperature -20°C~+60°C

安装温度 Installation Temperature -5°C~+50°C





产品简介 | Product Description

◆ 单芯光缆使用单根 $\phi 900\mu\text{m}$ 或 $\phi 600\mu\text{m}$ 紧套光纤作为光学单元，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LSZH（低烟，无卤，阻燃）护套而成。
Simplex optical fiber cable(SXC) use single $\phi 900\mu\text{m}$ or $600\mu\text{m}$ tight buffer fiber as optical unit,the tight buffer fiber wrapped with a layer of aramid yarn as strength member,and the cable is sheathed by a PVC or LSZH(Low smoke, Zero halogen,Flame-retardant)material.

产品特点 | Characteristics

- ◆ 采用紧套光纤，便于剥离使用
Tight buffer fiber easy 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 tensile strength

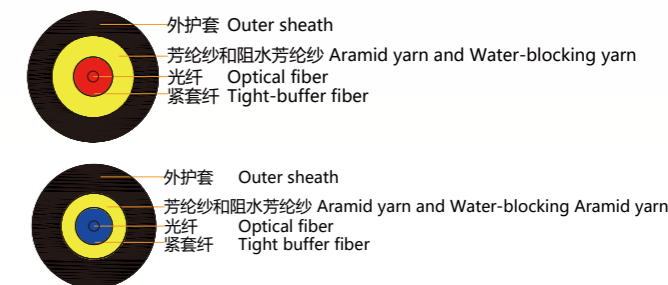
结构参数 Technical Parameters

光缆型号 Cable Code	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight		紧套光纤 直径(mm) TBF Diameter	允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
		PVC 护套 PVC Sheath	LSZH 护套 LSZH Sheath				
SXC-1.6	1.6 ± 0.1	2.3	2.4	0.6 ± 0.05	40/80	100/500	10D / 20D
SXC-2.0	2.0 ± 0.1	3.9	4.0	0.9 ± 0.05	60/100	100/500	10D / 20D
SXC-3.0	3.0 ± 0.1	6.5	6.8	0.9 ± 0.05	80/150	100/500	10D / 20D

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications	光纤活动连接跳线或尾纤 Optical fiber patchcord 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
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运输/储存/使用温度 Transport/Storage/Operating Temperature	-20°C~+60°C
安装温度 Installation Temperature	-5°C~+50°C



产品简介 | Product Description

◆ 迷你自承式单芯引入光缆使用单根 $\phi 900\mu\text{m}$ 紧套光纤作为光学单元，外覆一层芳纶作为受力加强单元，最外挤制一层热塑性聚氨酯弹性体（TPU）或LSZH（低烟，无卤，阻燃）护套而成。
Mini self-supporting simplex optical fiber access cable use single $\phi 900\mu\text{m}$ tight buffer fiber as optical unit,the tight buffer fiber wrapped with a layer of aramid yarn as self-supporting strength member,and the cable is sheathed by TPU or LSZH(Low smoke, Zero halogen,Flame-retardant)material.

产品特点 | Characteristics

- ◆ 采用紧套光纤，便于剥离使用
Tight buffer fiber easy of stripping
- ◆ 芳纶作为自承式加强元件，使光缆有优异的抗拉性能
Aramid yarn as self-supporting strength member make cable have excellent tensile strength

结构参数 Technical Parameters

光缆型号 Cable Code	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight	紧套光纤直径 (mm) TBF Diameter	允许拉伸力(N) Tensile Strength	允许压扁力 (N/100mm) Crush Resistance	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GJYFJU	3.0 ± 0.1	8.7	0.9 ± 0.05	1000	500	10D / 20D
GJYFJH	3.0 ± 0.1	10.0	0.9 ± 0.05	1000	500	10D / 20D

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

光纤入户 Fiber to the home (FTTH)

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



产品简介 | Product Description

- ◆ 双芯光缆使用φ900μm或φ600μm紧套光纤作为光学单元，外覆一层芳纶作为受力加强单元，最外挤制一层8字形聚氯乙烯(PVC)或LSZH(低烟，无卤，阻燃)护套而成。

Duplex optical fiber cable (DXC) use φ900μm or 600μm tight buffer fiber as optical unit, the tight buffer fiber wrapped with a layer of aramid yarn as strength member, and the cable is sheathed by a figure 8 PVC or LSZH (Low smoke, Zero halogen, Flame-retardant) material.

产品特点 | Characteristics

- ◆ 采用紧套光纤，便于剥离使用
Tight buffer fiber easy 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 tensile strength
- ◆ 8字形结构护套易于剥开分支使用
Figure 8 structure sheath facilitate embranchment

结构参数 Technical Parameters

光缆型号 Cable Code	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight		紧套光纤 直径(mm) TBF Diameter	允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
		PVC 护套 PVC Sheath	LSZH 护套 LSZH Sheath				
DXC-1.6	1.6 ± 0.1 X 3.2 ± 0.2	4.6	4.8	0.6 ± 0.05	60/120	100/500	10H / 20H
DXC-2.0	2.0 ± 0.1 X 4.0 ± 0.2	7.8	8.0	0.9 ± 0.05	90/150	100/500	10H / 20H
DXC-3.0	3.0 ± 0.1 X 6.0 ± 0.2	13.0	13.6	0.9 ± 0.05	120/225	100/500	10H / 20H

注：“H”代表单根光缆直径。 Note: “H” is diameter of the single cable.

产品应用 Applications	双工光纤活动连接跳线或尾纤 Duplex optical fiber patchcord 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
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运输/储存/使用温度 Transport/Storage/Operating Temperature	-20°C~+60°C
安装温度 Installation Temperature	-5°C~+50°C



产品简介 | Product Description

- ◆ 配线光缆使用多根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，最外挤制一层聚氯乙烯(PVC)或低烟无卤阻燃聚烯烃材料(LSZH,低烟、无卤、阻燃)护套而成。

Distribution optical fiber cable use several 900μm flame-retardant tight buffer fiber as optical communication medium, the tight buffer fiber wrapped with a layer of aramid yarn as strength member units, and the cable is sheathed by a PVC or LSZH (Low smoke, Zero halogen, Flame-retardant) material.

产品特点 | Characteristics

- ◆ 采用紧套光纤，便于剥离使用
Tight buffer fiber easy 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 tensile strength

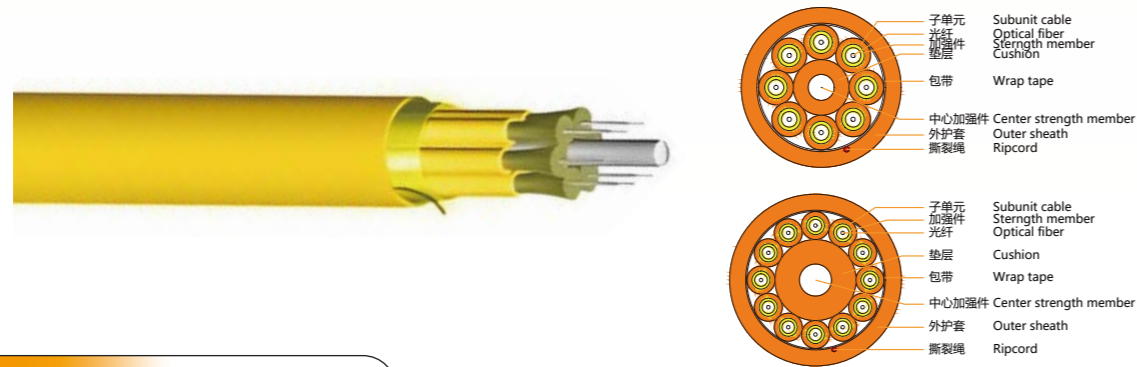
结构参数 Technical Parameters

光缆型号 Cable Code	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight		允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
		PVC 护套 PVC Sheath	LSZH 护套 LSZH Sheath			
GJPFJH/V-4C	4.5 ± 0.2	17.5	18	130/440	300/1000	10D / 20D
GJPFJH/V-6C	5.0 ± 0.2	22.5	23.5	130/440	300/1000	10D / 20D
GJPFJH/V-8C	5.5 ± 0.3	25	26	130/440	300/1000	10D / 20D
GJPFJH/V-12C	6.5 ± 0.3	37	38.5	130/440	300/1000	10D / 20D
GJPFJH/V-24C	8.0 ± 0.3	56	58	200/660	300/1000	10D / 20D

[大芯数的可定制 More cores can be customized] 注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications	室内的综合布线 Indoor any purpose Cable distribution	作为大楼的主干布线光缆 Backbone distribution Cable in a building	多芯光纤活动连接跳线 Multi optical fiber patchcord
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运输/储存/使用温度 Transport/Storage/Operating Temperature	-20°C~+60°C
安装温度 Installation Temperature	-5°C~+50°C



产品简介 | Product Description

- 分支光缆使用单芯光缆(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，最外挤制一层聚氯乙烯(PVC)或LSZH材料(低烟、无卤、阻燃)护套而成。

Breakout optical fiber cable use simplex cable(900μm tight buffer fiber,aramid yarn as strength member)as subunit. A fiber 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 sheathed by a PVC or LSZH(Low smoke,Zero halogen,Flame-retardant)material.

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
- 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

结构参数 Technical Parameters

光缆型号 Cable Code	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight		允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
		PVC 护套 PVC Sheath	LSZH 护套 LSZH Sheath			
GJBFJH/V-4C	7.0 ± 0.2	43	44	130/440	300/1000	10D / 20D
GJBFJH/V-6C	8.0 ± 0.2	62	64	200/660	300/1000	10D / 20D
GJBFJH/V-8C	9.2 ± 0.3	83	85	200/660	300/1000	10D / 20D
GJBFJH/V-12C	12.2 ± 0.3	146	150	200/660	300/1000	10D / 20D
GJBFJH/V-24C	13.8 ± 0.3	182	185	400/1320	300/1000	10D / 20D

[大芯数的可定制 More cores can be customized] 注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications	室内的综合布线 Indoor any purpose cable distribution	作为大楼的主干布线光缆 Backbone distribution cable in a building
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运输/储存/使用温度 Transport/Storage/Operating Temperature	-20°C~+60°C
安装温度 Installation Temperature	-5°C~+50°C



产品简介 | Product Description

- 室内多芯迷你光缆使用多根着色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LSZH(低烟、无卤、阻燃)护套而成。

Mini optical fiber indoor cable use several φ250μm colored fiber as optical communication medium,the colored fiber wrapped with a layer of aramid yarn as strength member units,and the cable is sheathed by a PVC or LSZH(Low smoke,Zero halogen, Flame-retardant)material.

产品特点 | Characteristics

- 采用着色光纤，集成度高
High-integrated colored bare fiber 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 tensile strength performance

结构参数 Technical Parameters

光缆型号 Cable Code	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight		允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
		PVC 护套 PVC Sheath	LSZH 护套 LSZH Sheath			
GJIFH/V-(2-12)C	2.0 ± 0.1	3.6	3.7	30/100	300/1000	10D / 20D
GJIFH/V-(2-12)C	3.0 ± 0.1	6.2	6.4	50/150	300/1000	10D / 20D
GJIFH/V-24C	2.4 ± 0.1	4.7	4.8	50/150	300/1000	10D / 20D
GJIFH/V-24C	3.0 ± 0.1	7.0	7.2	50/150	300/1000	10D / 20D

[大芯数的可定制 More cores can be customized] 注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

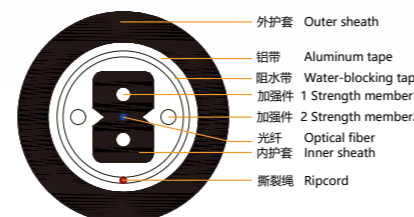
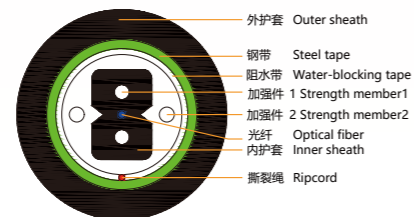
产品应用 Applications	室内的综合布线 Indoor any purpose cable distribution	数据中心 Date center cable	多芯光纤活动连接跳线 Multi optical fiber patchcord
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运输/储存/使用温度 Transport/Storage/Operating Temperature	-20°C~+60°C
安装温度 Installation Temperature	-5°C~+50°C

B 室外光缆

Outdoor Optical Cable





产品简介 | Product Description

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)，挤制黑色低烟无卤阻燃聚烯烃护套。外包铝带或者钢带防潮层，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, the cable is sheathed by a black or color LSZH sheath. After an aluminum tape or corrugated steel tape moisture barrier is applied, finally, the cable is sheathed by PE material.

产品特点 | Characteristics

- ◆ 特种耐弯光纤，提供更大的带宽，增强网络传输特性
Special bending insensitive 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
- ◆ 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
- ◆ 光缆结构简单，重量轻，实用性强
Simple structure, light weight and high practicability
- ◆ 低烟无卤阻燃聚烯烃阻燃护套，低碳环保
Low smoke, zero halogen and flame retardant sheath
- ◆ 涂塑铝带或者涂塑钢带防潮层
Aluminum tape or corrugated steel tape moisture barrier
- ◆ PE外护具有很好的抗紫外线性能
PE sheath protects cable from ultraviolet radiation

结构参数 Technical Parameters

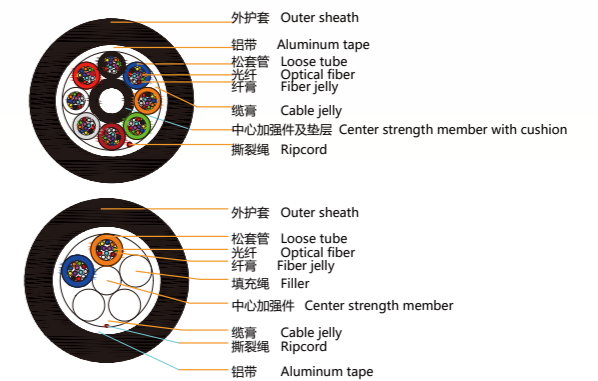
光缆型号 Cable Code	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight	允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
		PE 护套 PE Sheath			
GJYXFHA-1C	7.0 ± 0.2	35	200/600	1000/2200	10D / 20D
GJYXFHA-2C	7.0 ± 0.2	35	200/600	1000/2200	10D / 20D
GJYXFHS-1C	7.0 ± 0.2	45.5	200/600	1000/2200	10D / 20D
GJYXFHS-2C	7.0 ± 0.2	45.5	200/600	1000/2200	10D / 20D

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

室外管道引入 Outdoor duct access

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



产品简介 | Product Description

GYTA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件，对于某些芯数的光缆来说，金属加强件外还需挤上一层聚乙烯(PE)。松套管和可能的填充绳围绕中心加强件绞合成紧凑、圆形的缆芯，缆芯内的缝隙充以阻水填充物。涂塑铝带纵包后挤制聚乙烯护套成缆。

The 250μm fibers 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 by polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes and possible fillers are stranded around the strength member into a compact and circular cable core. Aluminum tape is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	600N(长期 Long-term)	1500N(短期 Short-term)
压扁性能 Crush resistance	300N/1000mm(长期 Long-term)	1000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 10D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

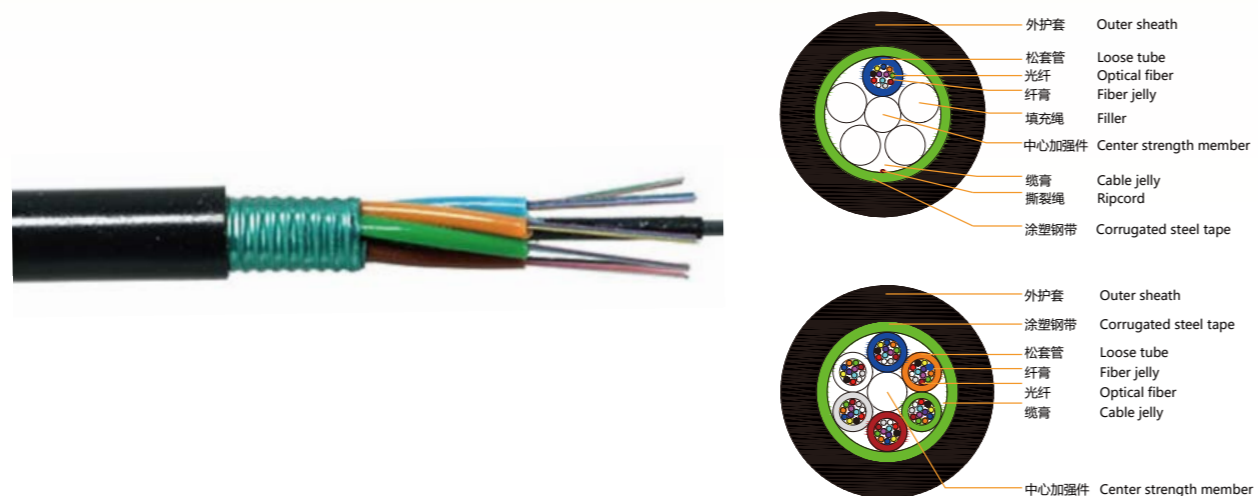
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

长途通信，局间通信，管道敷设，非自承式架空
Long-distance communication, interoffice communication, duct laying, non-self supporting aerial

松套管层绞式轻铠装光缆

(GYTS-(2-288)C)
Stranded Loose Tube Light-Armored Cable



产品简介 | Product Description

GYTS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件，对于某些芯数的光缆来说，金属加强件外还需挤上一层聚乙烯(PE)。松套管和可能的填充绳围绕中心加强件绞合成紧凑、圆形的缆芯，缆芯内的缝隙以阻水填充物。纵包涂塑皱纹钢带后挤制聚乙烯护套成缆。

The 250μm fibers 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 by polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes and possible fillers are stranded around the strength member into a compact and circular cable core. Corrugated steel tape is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	600N(长期 Long-term)	1500N(短期 Short-term)
压扁性能 Crush resistance	300N/1000mm(长期 Long-term)	1000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 10D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

长途通信，局间通信，管道敷设，非自承式架空
Long-distance communication, interoffice communication, duct laying, non-self supporting aerial

(GYTY53-(2-288)C)
Stranded Loose Tube Armored Cable

松套管层绞式普通铠装光缆



产品简介 | Product Description

GYTY53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)。松套管和可能的填充绳围绕中心加强芯绞合成紧凑和圆形的缆芯，缆芯内的缝隙以阻水填充物。缆芯外挤上一层聚乙烯内护套，双面涂塑钢带纵包后挤制聚乙烯护套成缆。

The 250μm fibers 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 possible fillers are stranded around the strength member into a compact and circular cable core. The cable core is filled with the filling compound to protect it from water ingress, over which a thin PE inner sheath is applied. After the plastic coated steel tape is longitudinally applied over the inner sheath, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	1000N(长期 Long-term)	3000N(短期 Short-term)
压扁性能 Crush resistance	1000N/100mm(长期 Long-term)	3000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 10D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

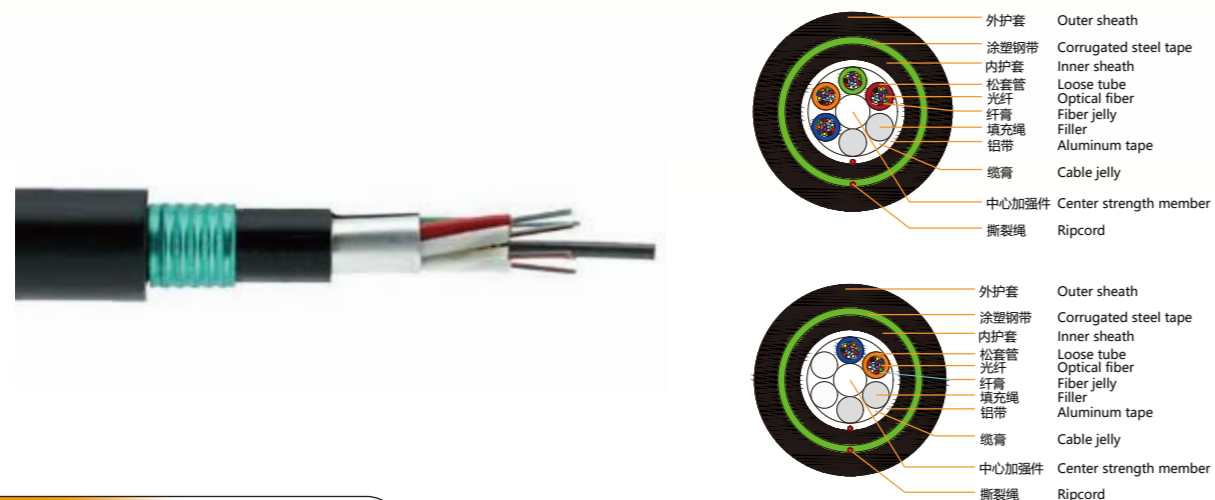
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

长途通信，局间通信，地埋敷设，特别适用于防潮、防鼠等要求高的应用场景
Long-distance communication, interoffice communication, buried laying, especially suitable for application with high requirement of anti-moisture, anti-rodent and so on

松套层绞式加强铠装光缆

(GYTA53-(2-288)C)
Stranded Loose Tube Armored Cable



产品简介 | Product 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)。松套管和可能的填充绳围绕中心加强芯绞合成紧凑、圆形的缆芯，缆芯内的缝隙以防水填充物。涂塑铝带纵包后挤制一层聚乙烯内护套，双面涂塑钢带纵包后挤制聚乙烯外护套成缆。

The 250μm fibers 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 possible fillers are stranded around the strength member into a compact and circular cable core. An Aluminum tape 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 corrugated steel tape is longitudinally applied over the inner sheath, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	1000N(长期 Long-term)	3000N(短期 Short-term)
压扁性能 Crush resistance	1000N/1000mm(长期 Long-term)	3000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 10D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

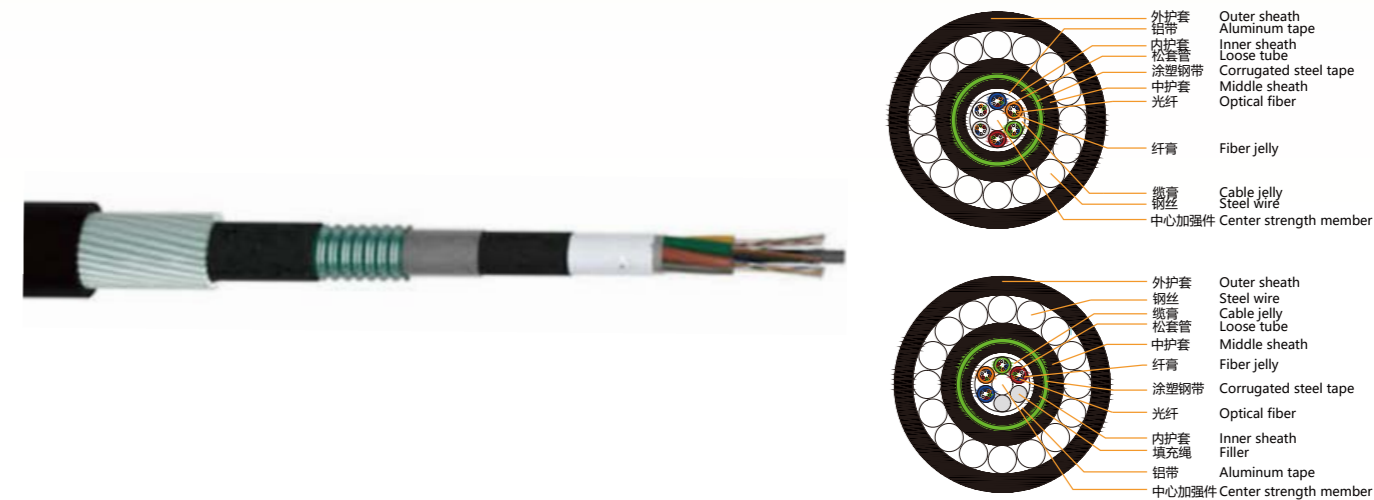
产品应用 Applications

长途通信，局间通信，地埋敷设，特别适用于防潮、防鼠等要求高的应用场景
Long-distance communication, interoffice communication, buried laying, especially suitable for application with high requirement of anti-moisture, anti-rodent and so on

(GYTA53+33-(2-288)C)

Stranded Loose Tube Single layer Steel Wire Armored Cable

松套层绞式单层细圆钢丝铠装光缆



产品简介 | Product Description

GYTA53+33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，松套管和可能的填充绳围绕中心加强芯绞合成紧凑、圆形的缆芯，缆芯内的缝隙以防水填充物。涂塑铝带纵包后挤制一层聚乙烯内护套，双面涂塑钢带纵包后挤制聚乙烯外护套。再经单层细圆钢丝铠装后，最终挤制聚乙烯外护套成缆。

The 250μm fibers 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. Tubes and possible fillers are stranded around the strength member into a compact and circular cable core. An Aluminum tape 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. And a corrugated steel tape is longitudinally applied over the inner sheath; the cable is covered with a PE outer sheath. After the single layer steel wire armored, the cable is finally sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	4000(10000)N(长期 Long-term)	10000(20000)N(短期 Short-term)
压扁性能 Crush resistance	3000N/100mm(长期 Long-term)	5000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 10D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

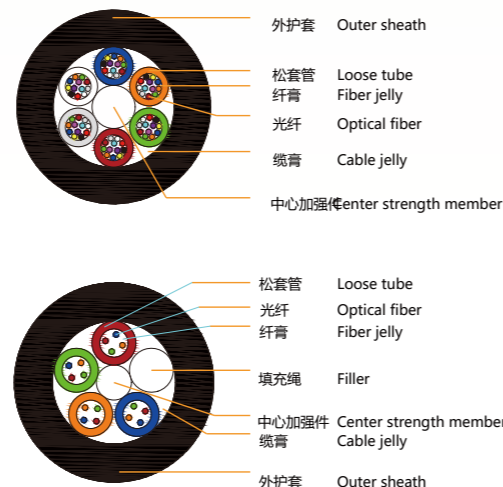
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

直埋，特别适用于爬坡、水下等要求高的应用场景
Direct buried, especially suitable for harsh environment like climbing slopes, underwater and so on

松套管绞式非金属加强件非铠装光缆

(GYFTY-(2-288)C) Stranded Loose Tube Non-metallic Strength Member Non-armored Cable



产品简介 | Product 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)，松套管和可能的填充绳围绕中心加强件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。

The 250μm fibers 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 possible 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 sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	400/600/1000N(长期 Long-term)	1000/1500/3000N(短期 Short-term)
压扁性能 Crush resistance	300N/100mm(长期 Long-term)	1000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 12.5D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

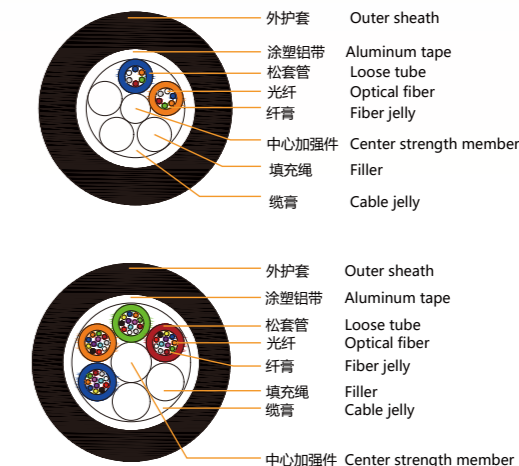
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

管道，非自承式架空，长途通信，局间通信，特别使用于电力系统、雷电及电磁干扰严重的地区
Duct, Non-self supporting aerial, Long-distance communication, inter office communication; especially applicable for electric power system, thunder and lightning and electromagnetic interference stricken area.

(GYFTA-(2-288)C) Stranded Loose Tube Non-metallic Strength Member Non-armored Cable

松套管绞式非金属加强件非铠装光缆



产品简介 | Product Description

◆ GYFTA 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件(FRP)，对于某些芯数光缆来说，非金属加强件外还需挤上一层聚乙烯(PE)。松套管和可能的填充绳围绕中心加强件绞合成紧凑和圆形的缆芯，缆芯内的缝隙充以阻水填充物。涂塑铝带纵包后挤制聚乙烯护套成缆。

The 250μm fibers 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 possible fillers are stranded around the strength member into a compact and circular core. After an Aluminum tape moisture barrier is applied around the cable core, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	400/600/1000N(长期 Long-term)	1000/1500/3000N(短期 Short-term)
压扁性能 Crush resistance	300N/100mm(长期 Long-term)	1000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 12.5D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

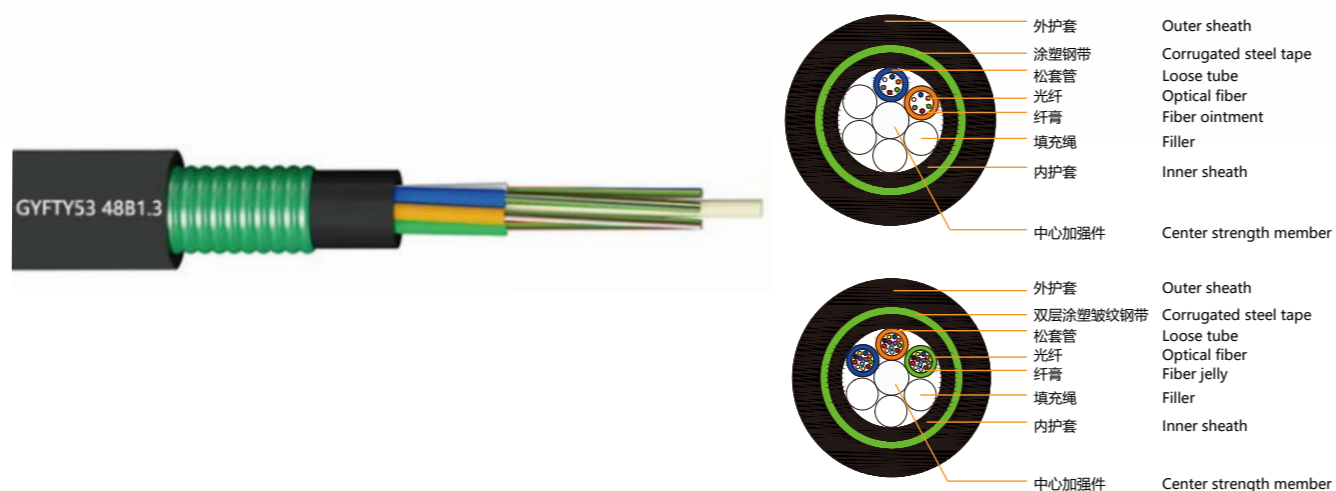
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

管道，非自承式架空
Duct, Non-self supporting aerial

松套层绞式非金属加强件普通铠装光缆

(GYFTY53-(2-288)C) Stranded Loose Tube Non-metallic Strength Member Armored Cable



产品简介 | Product 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）。松套管和可能的填充绳围绕中心加强芯绞合成紧凑和圆形的缆芯，缆芯内的缝隙填充以阻水填充物。缆芯外挤上一层聚乙烯内护套，双面涂塑钢带纵包后挤制聚乙烯外护套成缆。

The 250μm fibers 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), sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a non-metallic strength member. Tubes and possible fillers are stranded around the strength member into a compact and circular cable core. The cable core is filled with the filling compound to protect it from water ingress, over which a thin PE inner sheath is applied. After the plastic coated steel tape is longitudinally applied over the inner sheath, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	1000N(长期 Long-term)	3000N(短期 Short-term)
压扁性能 Crush resistance	1000N/100mm(长期 Long-term)	3000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 12.5D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

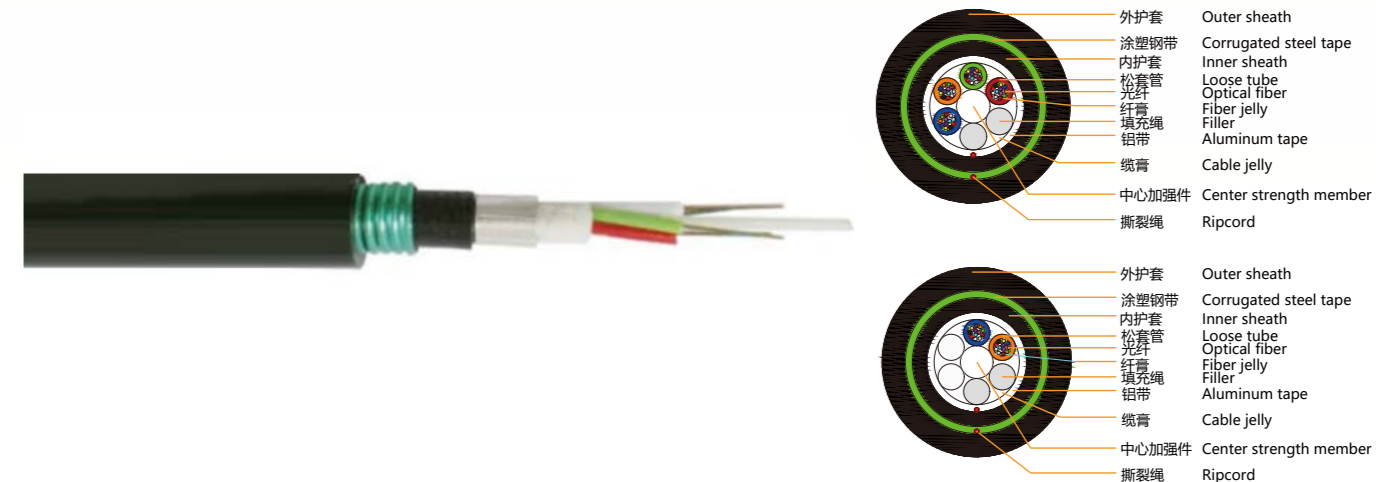
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

管道、非自承式架空、直埋
Duct、Non-self supporting aerial、Direct buried

(GYFTA53-(2-288)C) Stranded Loose Tube Non-metallic Strength Member Armored Cable

松套层绞式非金属加强件铠装光缆



产品简介 | Product Description

- GYFTA53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）。松套管和可能的填充绳围绕中心加强芯绞合成紧凑和圆形的缆芯，缆芯内的缝隙填充以阻水填充物。涂塑铝带纵包后挤制一层聚乙烯内护套，双面涂塑皱纹钢带纵包后挤制聚乙烯外护套成缆。

The 250μm fibers 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), sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a non-metallic strength member. Tubes and possible fillers are stranded around the strength member into a compact and circular cable core, which is filled with the filling compound to protect it from water ingress. An aluminum tape is applied around the cable core. Then the cable core is covered with a thin PE inner sheath. After the corrugated plastic coated steel tape is applied, finally, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	1000N(长期 Long-term)	3000N(短期 Short-term)
压扁性能 Crush resistance	1000N/100mm(长期 Long-term)	3000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 12.5D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

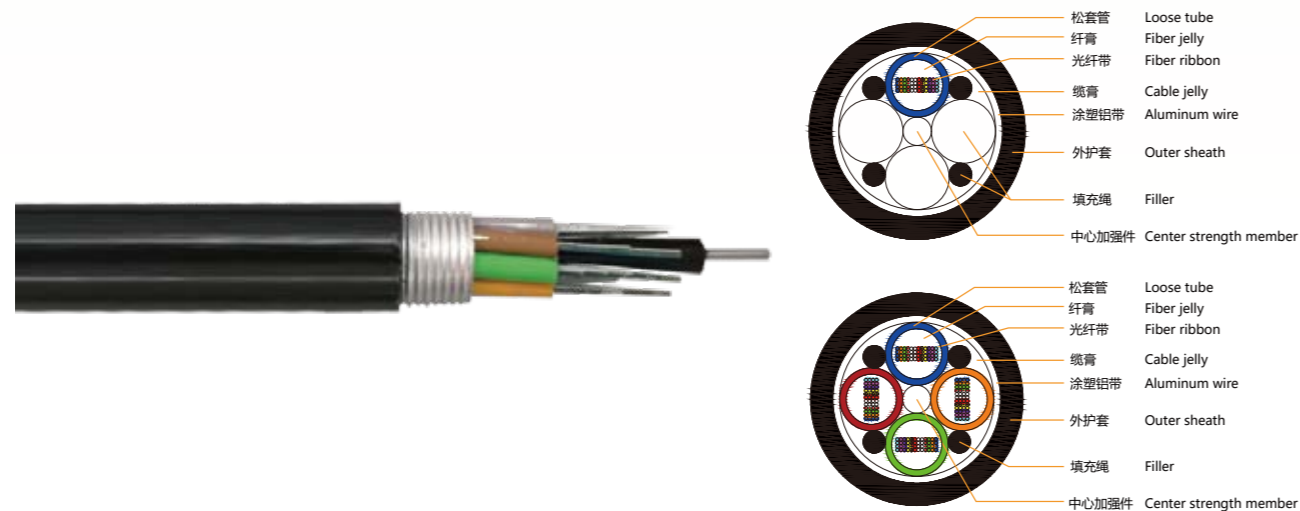
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

管道、非自承式架空、直埋
Duct、Non-self supporting aerial、Direct buried

松套管绞式非铠装光纤带光缆

(GYDTA-(48-432)C)
Stranded Loose Tube Non-Armored Ribbon Fiber Cable



产品简介 | Product Description

- GYDTA光缆的结构是将4、6、8、12芯光纤带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件，对于某些芯数的光缆来说，金属加强件外还需挤上一层聚乙烯(PE)。松套管和可能的填充绳围绕中心加强件绞合成紧凑、圆形的缆芯，缆芯内的缝隙用以阻水填充物。涂塑铝带纵包后挤制聚乙烯护套成缆。

The ribbon 4,6,8,12 fibers 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 by polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes and possible fillers are stranded around the strength member into a compact and circular cable core. Aluminum tape is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	600N(长期 Long-term)	1500N(短期 Short-term)
压扁性能 Crush resistance	300N/1000mm(长期 Long-term)	1000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 12.5D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

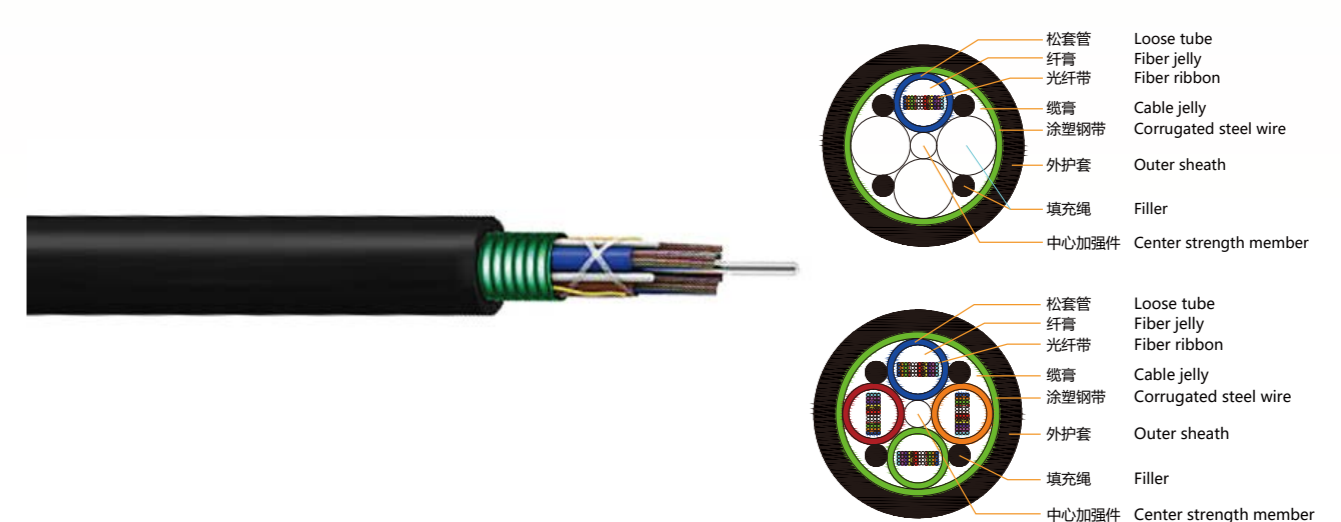
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

管道敷设，非自承式架空
Duct laying, Non-self supporting aerial

(GYDTS-(48-432)C)
Stranded Loose Tube Light-Armored Ribbon Fiber Cable

松套管绞式轻铠装光纤带光缆



产品简介 | Product Description

- GYDTS光缆的结构是将4、6、8、12芯光纤带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件，对于某些芯数的光缆来说，金属加强件外还需挤上一层聚乙烯(PE)。松套管和可能的填充绳围绕中心加强件绞合成紧凑、圆形的缆芯，缆芯内的缝隙用以阻水填充物。双面涂塑钢带纵包后挤制聚乙烯护套成缆。

The ribbon 4,6,8,12 fibers 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 by polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes and possible fillers are stranded around the strength member into a compact and circular cable core. Corrugated plastic coated steel tape is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then, the cable is sheathed by PE material.

机械和环境性能 Mechanical and Environmental performance

拉伸性能 Tensile Performance	600N(长期 Long-term)	1500N(短期 Short-term)
压扁性能 Crush resistance	300N/100mm(长期 Long-term)	1000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 12.5D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

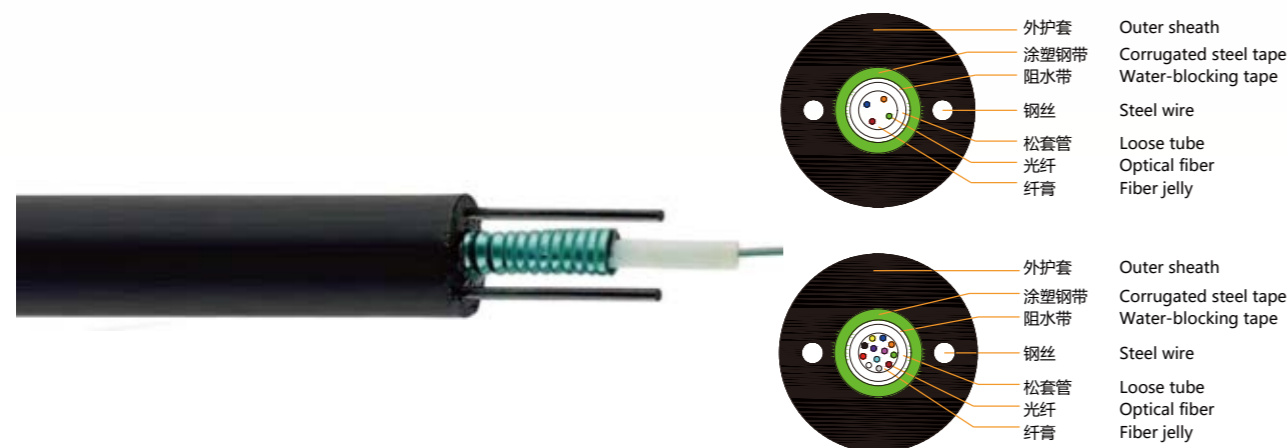
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

管道敷设，非自承式架空
Duct laying, Non-self supporting aerial

中心管式轻铠装光缆

(GYXTW-(2-24)C)
Center Loose Tube Light-Armored Optical Fiber Cable



产品简介 | Product Description

◆ GYXTW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。松套管外用一层双面涂塑钢带纵包，钢带和松套管之间加阻水材料以保证光缆的紧凑和纵向阻水，两侧放置两根平行钢丝后挤制聚乙烯护套成缆。

The 250μm fibers are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. The tube is wrapped with a layer of corrugated plastic coated steel tape longitudinally. Between the steel tape and the loose tube, water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is sheathed by PE material.

结构参数 Technical Parameters

光缆型号 Cable Type (以2纤递增 Increased by 2 fibers)	光纤芯数 Fiber Count	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GYXTW - (2-12)C	2-12	80	600 / 1500	300 / 1000	10D / 20D
GYXTW - (14-24)C	14-24	80			

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

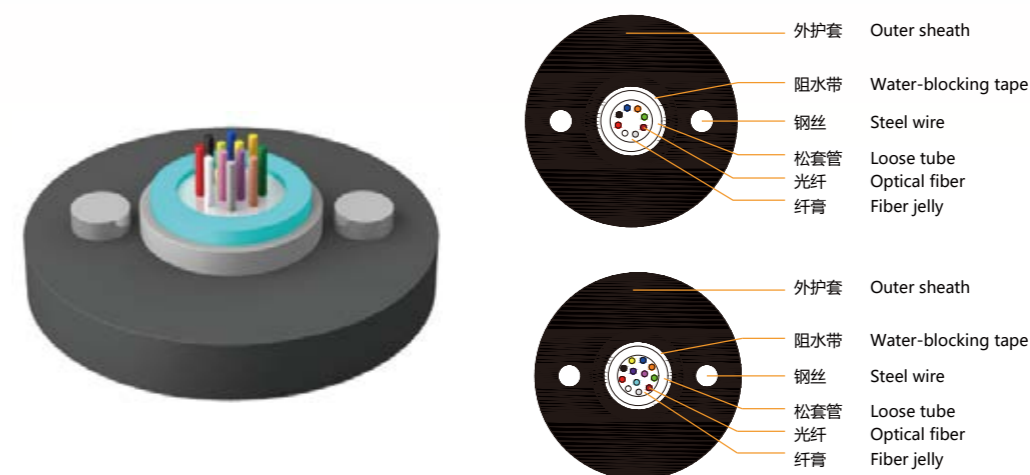
管道敷设，非自承式架空
Duct laying, Non-self supporting aerial

运输/储存/使用温度 Transport/Storage/Operating Temperature -40°C~+70°C

安装温度 Installation Temperature -20°C~+60°C

(GYXY-(2-24)C)
Center Loose Tube Non-Armored Optical Fiber Cable

中心管式非铠装光缆



产品简介 | Product 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的纵向阻水，两侧放置两根平行钢丝后挤制聚乙烯护套成缆。

The 250μm fibers are positioned in a loose tube made of a high modulus plastic. The tube is 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 of the cable. The cable is sheathed by PE material.

结构参数 Technical Parameters

光缆型号 Cable Type (以2纤递增 Increased by 2 fibers)	光纤芯数 Fiber Count	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GYXY - (2-12)C	2-12	65	600 / 1500	300 / 1000	10D / 20D
GYXY - (14-24)C	14-24	65			

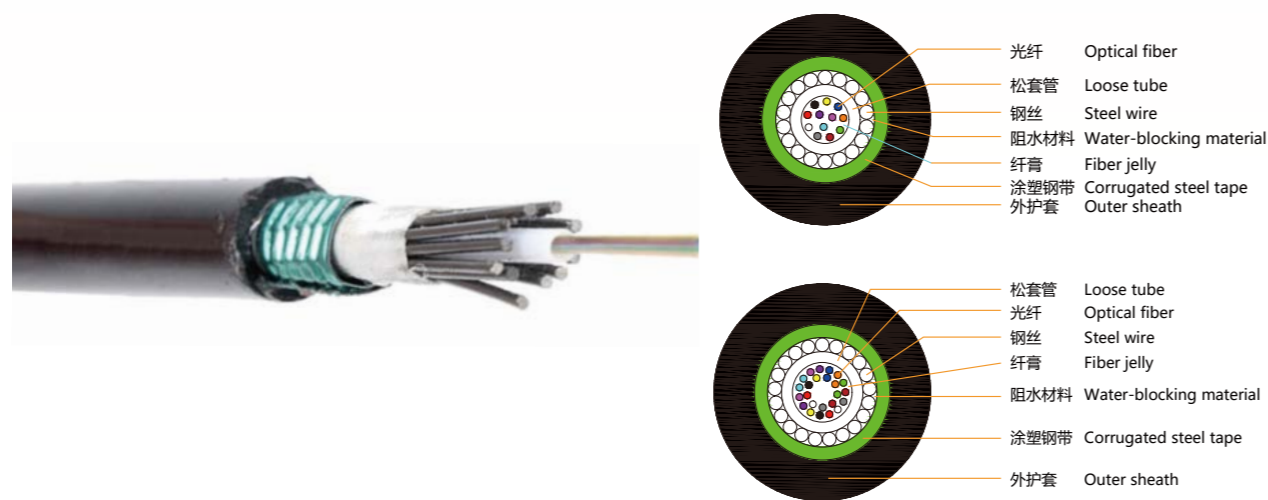
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications

非自承式架空
Non-self supporting aerial

运输/储存/使用温度 Transport/Storage/Operating Temperature -40°C~+70°C

安装温度 Installation Temperature -20°C~+60°C



产品简介 | Product Description

• GYXTS光缆结构是将单模光纤或多模光纤置于由高模量聚脂材料制作而成的松套管中，套管内填充防水化合物。松套管外加阻水材料以保证光缆的纵向渗水，钢丝绕包成缆后双面镀铬涂塑钢带纵包，最后挤制聚乙烯护套。

The single-mode or multi-mode fibers are positioned in a loose tube made of the high modulus plastic. The tube is filled with water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. After wrapping of steel braiding, the cable core is wrapped with a layer of corrugated steel tape. Finally, the cable is sheathed by PE sheath.

结构参数 Technical Parameters

光缆型号 Cable Type (以2纤递增 Increased by 2 fibers)	光纤芯数 Fiber Count	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GYXTS - (2-12)C	2-12	108	600 / 1500	300 / 1000	10D / 20D
GYXTS - (14-24)C	14-24	116	1000 / 3000		

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

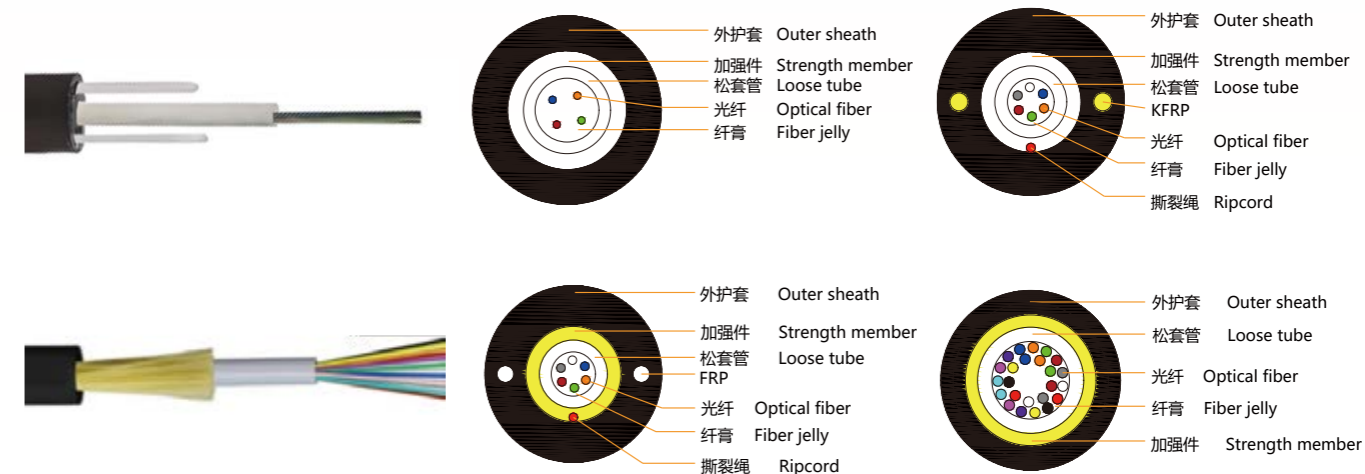
管道、架空
Duct, Aerial

运输/储存/使用温度 Transport/Storage/Operating Temperature

-40°C~+70°C

安装温度 Installation Temperature

-20°C~+60°C



产品简介 | Product Description

• GYFXTY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的纵向阻水，如有必要，可在光缆两侧放置两根平行非金属加强件（FRP或者KFRP）后，挤制聚乙烯护套成缆。

The 250μm fibers are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. If necessary, two parallel non-metallic strength member (FRP or KFRP) can be placed at the two sides of the cable. The cable is sheathed by PE material.

结构参数 Technical Parameters

光缆型号 Cable Type (以2纤递增 Increased by 2 fibers)	光纤芯数 Fiber Count	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GYFXTY - (2-12)C	2-12	22	300 / 1000	300 / 1000	10D / 20D
GYFXTY - (14-24)C	14-24	26			

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

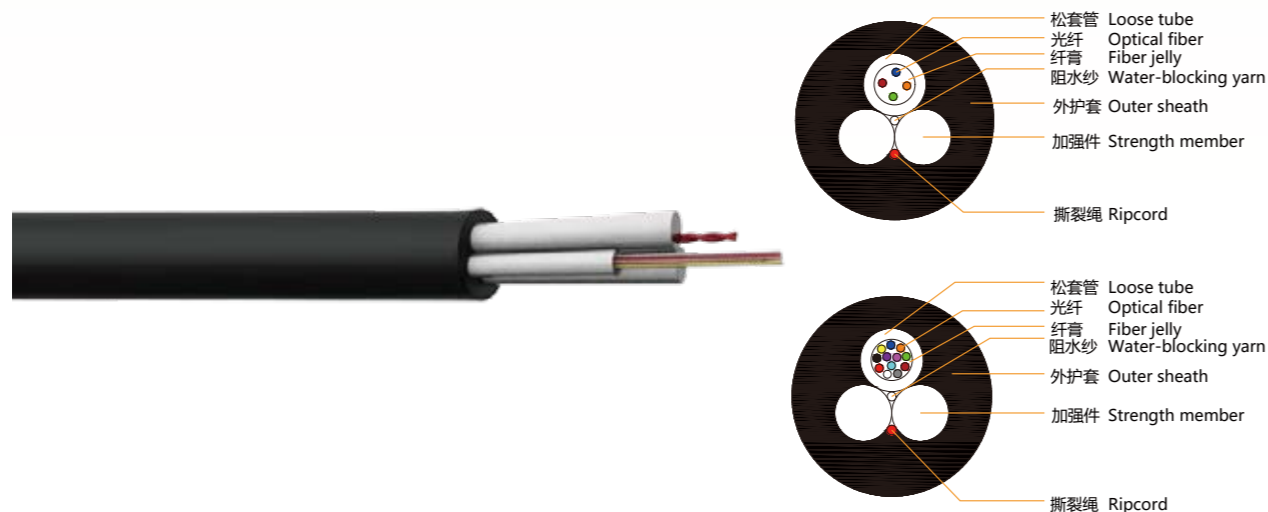
架空
Aerial

运输/储存/使用温度 Transport/Storage/Operating Temperature

-40°C~+70°C

安装温度 Installation Temperature

-20°C~+60°C



产品简介 | Product Description

◆ ASU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。松套管和两根高强度非金属中心加强件（FRP）绞合成紧凑的缆芯，外加阻水材料以保证光缆的纵向阻水，最后挤制聚乙烯护套成缆。

The 250μm fibers are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. The loose tube and two high-strength non-metallic Fiber Reinforced Plastics (FRP) twisted together to form a compact cable core. In the core, water-blocking material is applied to keep the cable watertight. Finally, the cable is sheathed by PE material.

结构参数 Technical Parameters

光缆型号 Cable Type (以2纤递增 Increased by 2 fibers)	光纤芯数 Fiber Count	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
ASU - (2-12)C	2-12	42	750 / 1250	300 / 1000	12.5D / 20D
ASU - (14-24)C	14-24	61			

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

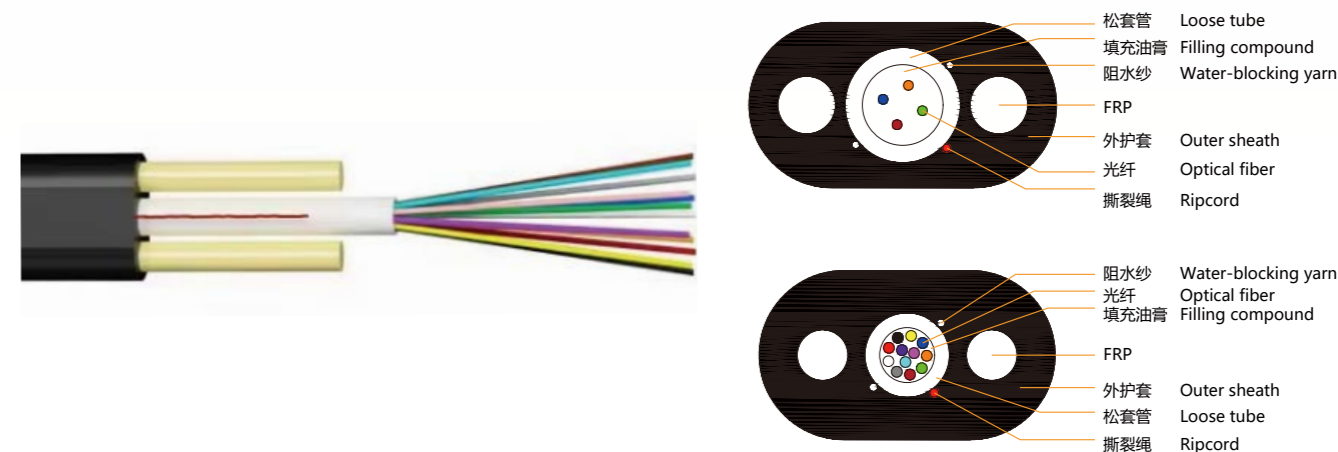
自承式架空，特别适用于电力系统，雷电及电磁干扰严重的区域
Self-supporting aerial, especially applicable
for electric power system, thunder and lightning and
electromagnetic interference stricken area.

运输/储存/使用温度 Transport/Storage/Operating Temperature

-40°C~+70°C

安装温度 Installation Temperature

-20°C~+60°C



产品简介 | Product Description

◆ GYFXTBY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。两根高强度非金属中心加强件（FRP）平行放置于松套管外，围绕松套管加阻水材料以保证光缆的纵向阻水，最后挤制聚乙烯护套成缆。

The 250μm fibers are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. Two high-strength non-metallic Fiber Reinforced Plastics (FRP) are placed outside the tube in parallel. In the core, water-blocking material is applied to keep the cable watertight. Finally, the cable is sheathed by PE material.

结构参数 Technical Parameters

光缆型号 Cable Type (以2纤递增 Increased by 2 fibers)	光纤芯数 Fiber Count	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GYFXTBY - (2-12)C	2-12	35 ± 5	400 / 1400	1000 / 5000	12.5H / 20H
GYFXTBY - (14-24)C	14-24	35 ± 5			

注：“H”代表光缆高度。 Note: “H” is height of the cable.

产品应用
Applications

自承式架空，特别适用于电力系统，雷电及电磁干扰严重的区域
Self-supporting aerial, especially applicable
for electric power system, thunder and lightning and
electromagnetic interference stricken area.

运输/储存/使用温度 Transport/Storage/Operating Temperature

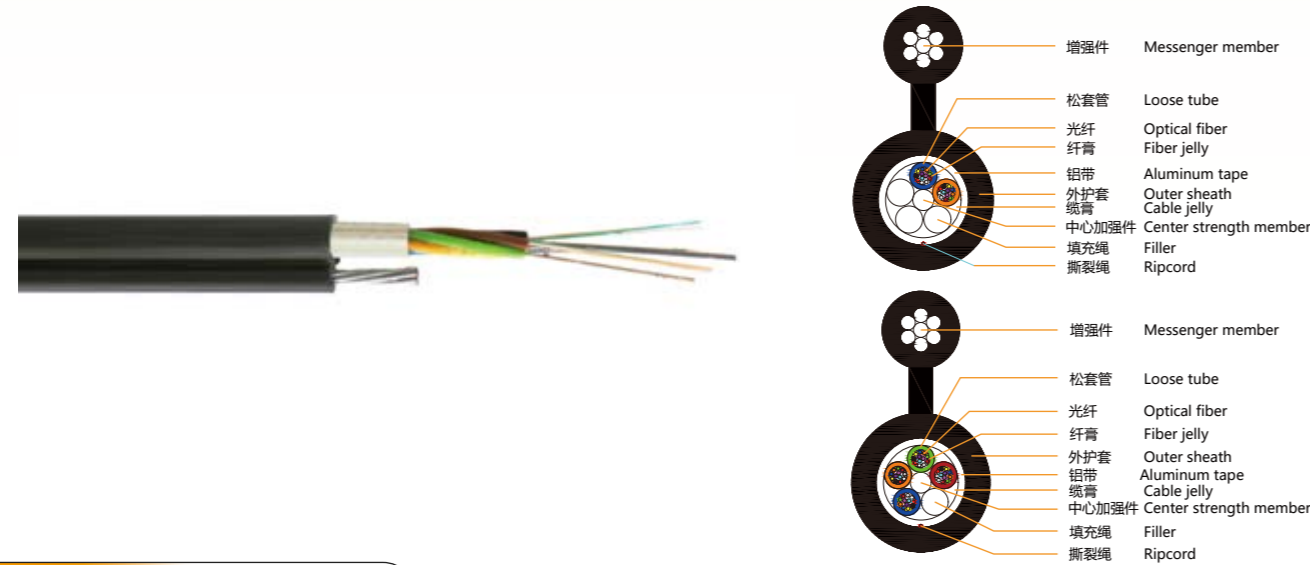
-40°C~+70°C

安装温度 Installation Temperature

-20°C~+60°C

8字形层绞自承式非铠装光缆

(GYTC8A) Figure-8 Stranded Loose Tube Self-Supporting Non-armored Cable



产品简介 | Product 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件，松套管和可能的填充绳围绕中心加强件绞合成紧凑、圆形的缆芯。缆芯用一层涂塑铝带纵包后，和钢丝或者钢绞线集成到一个8字型的聚乙烯护套内。我司还可提供Y护套或S护套的8字型光缆GYTC8Y、GYTC8S等，此类产品多应用于自承式架空敷设。

The 250μm fibers 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 possible fillers are stranded around the strength member into a compact and circular cable core. After an Aluminum Polyethylene tape moisture barrier is applied around the cable core, this part of cable accompanied with the steel wire or stranded steel wire as the self-supporting member. The cable is sheathed by PE material. The cross section of the cable is figure 8. Our company figure 8 cable GYTC8Y, GYTC8S are also available on request. This type of cable is specifically applied for self-supporting aerial installation.

机械和环境性能 Mechanical and Environmental performance

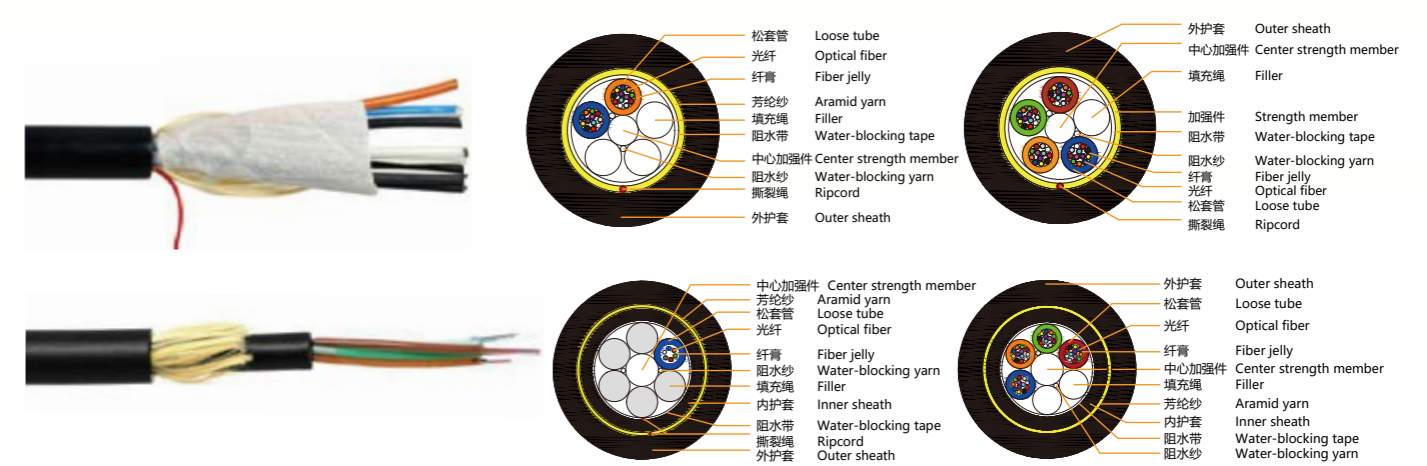
拉伸性能 Tensile Performance	根据钢丝直径 (According to diameter of steel wire)	
压扁性能 Crush resistance	300N/100mm(长期 Long-term)	1000N/100mm(短期 Short-term)
最小弯曲半径 Min bending radius(mm)	静态 Static: 10D	动态 Dynamic: 20D
温度范围 Temperature range	安装温度 Installation temperature: -20°C ~ +60°C 运行稳定 Operating temperature: -40°C ~ +70°C	

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications 自承式架空，长途通信，局间通信
Self-supporting aerial, Long-distance communication, inter-office communication

(ADSS-(2-288)C) All Dielectric Self-Supporting Optical Fiber Cable

全介质自承式光缆



产品简介 | Product Description

◆ ADSS 光缆采用松套管层绞式结构，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。松套管和可能的填充绳围绕非金属中心加强件(FRP)绞合成紧凑的缆芯，缆芯的缝隙充以阻水油膏。缆芯外可挤制聚乙烯(PE)内护套，然后绞合起加强作用的芳纶纱，最后挤制聚乙烯(PE)外护套或耐电痕(AT)外护套。ADSS cable is loose tube stranded. The 250μm fibers are positioned into a loose tube made of high modulus plastics. The tubes are filled with a water-resistant filling compound. The tubes and possible fillers are stranded around a FRP (fiber Reinforced Plastic) as a non-metallic central strength member into a compact and circular cable core. After the cable core is filled with filling compound, it is covered with thin PE (polyethylene) inner sheath. After stranded layer of aramid yarns are applied over the cable core or inner sheath as strength member, the cable is sheathed by PE or AT (anti-tracking) material.

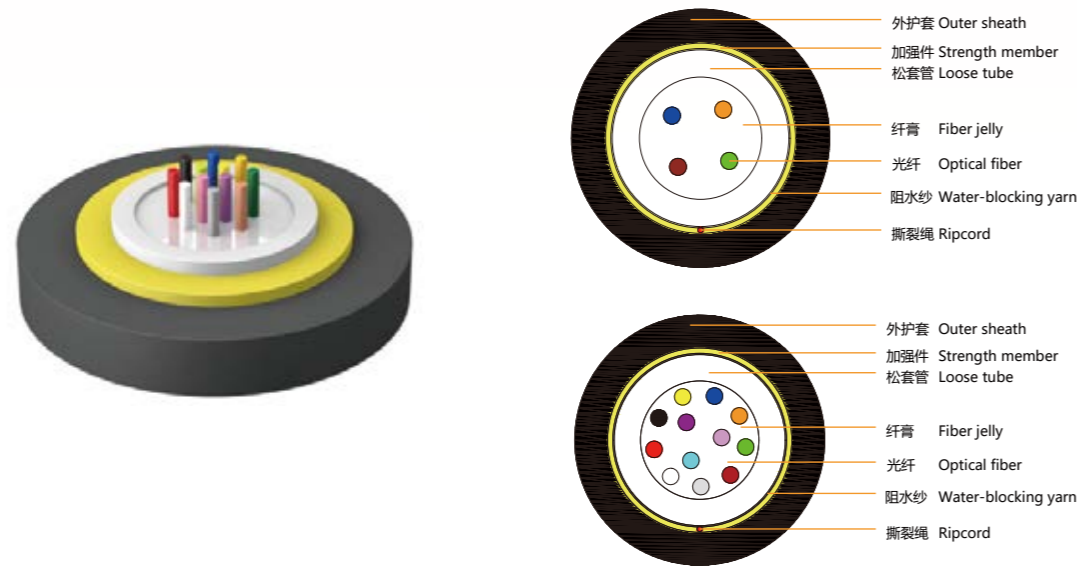
结构参数(仅供参考) Technical Parameters (Ref)

参考外径 (mm) Ref. Outer diameter	参考重量 (kg/km) Ref. weigh		推荐日常 最大工作张力 (KN) Rec. daily Max Working Tensile	最大允许 工作张力(KN) Maxl. allowable Working Tensile	断裂 强度(KN) Break Strenght	抗拉元件 截面积(mm²) Strength Member CSA	弹性模量 (KN/mm²) Modulus of Elasticity	热膨胀系数 (x10⁻⁶/K) Heat Expansion Coefficient	适度跨距离(m) Suitable Span 对应气象条件 (Nesc Standard, m)			
	PE 外护 PE Sheath	AT 外护 AT Sheath							A	B	C	D
11.8	117	124	15	4	10	4.6	7.6	1.8	160	100	140	160
12.0	121	129	2.25	6	15	7.6	8.3	1.5	230	150	200	150
12.3	126	134	3.0	8	20	10.35	9.45	1.3	300	200	290	200
12.6	133	141	3.6	10	24	713.8	10.8	1.2	370	250	350	250
12.8	138	145	4.5	12	30	14.3	11.8	1.0	420	280	400	280
13.1	145	153	5.4	15	36	18.4	13.6	0.9	480	320	460	320
13.5	155	163	6.75	18	45	220	16.4	0.6	570	380	550	380
13.8	163	171	7.95	22	53	26.4	18.0	0.3	670	460	650	460
14.4	177	186	9.0	26	60	32.2	19.1	0.1	750	530	750	510
14.6	182	191	10.5	28	70	33.0	19.6	0.1	800	560	800	560
14.8	195	204	12.75	34	85	40.0	20.1	0.1	880	650	880	650

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用 Applications 自承式架空，特别适用于与220V及以下电力输电线路同杆架设
Self-supporting aerial, especially applicable for installation on the same pole as 220V and below power transmission lines

运输/储存/使用温度 Transport/Storage/Operating Temperature -40°C~+70°C



产品简介 | Product Description

• 中心管式非金属气吹微缆是将250μm 单模或多模光纤套入高模量材料制成的松套管中，套管内填充无毒、无害的防水化合物，松套管外绞合非金属加强元件芳纶，再挤制黑色或彩色高密度聚乙烯(HDPE) 护套成缆。

The 250μm fibers are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. A layer of aramid yarn is applied around the cable core as additional strength member. Then, the cable is sheathed by HDPE material.

结构参数(仅供参考) Techniacal Parameters (Ref)

光缆型号 Cable Type (以2纤递增 by 2 fibers)	光纤芯数 Fiber Count	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GCFXYTY - (2-12)C	2-12	3.5±0.3	12	60 / 1500	150 / 450	10D / 20D
GCFXYTY - (14-24)C	14-24	4.4±0.3	15	60 / 3000		

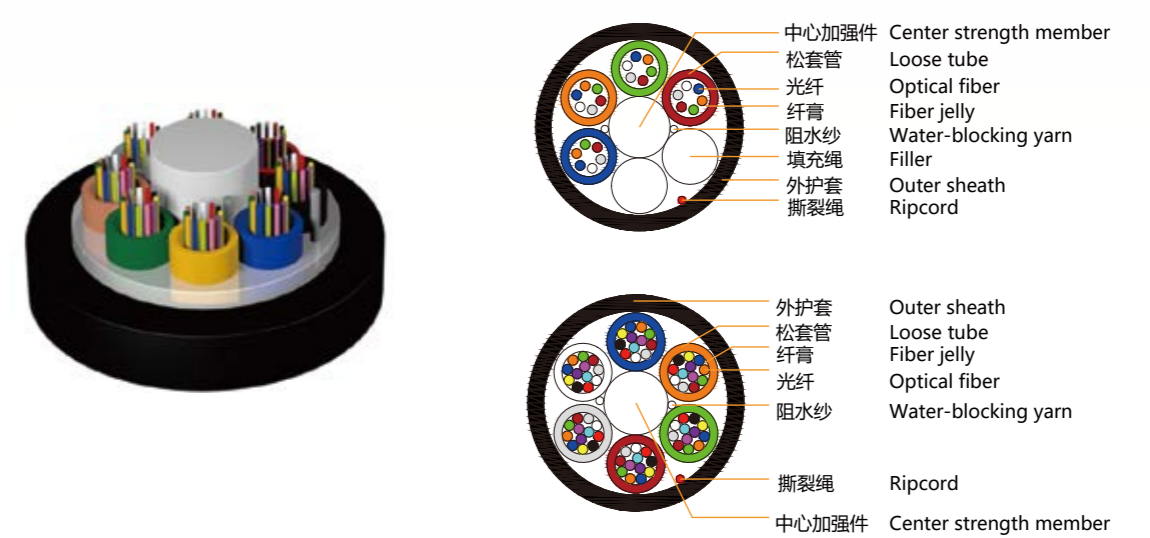
注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

利用微管资源，特别适用于骨干网、接入网和光纤到户
Adapted to backbone network, access network and fiber to the home

运输/储存/使用温度 Transport/Storage/Operating Temperature

-30°C~+70°C



产品简介 | Product Description

• 松套管层绞式非金属气吹微缆是将250μm光纤套入高模量材料制成的松套管中，套管内填充无毒、无害的防水化合物。缆芯的中心是一根非金属加强芯(FRP)，松套管和可能的填充绳围绕中心加强芯绞合成紧凑的圆形缆芯。加强芯外设有阻水纱，再挤制高密度聚乙烯(HDPE) 护套成缆。

The 250μm fibers 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 possible fillers are stranded around the strength member into a compact and circular core. The cable core is protected from water ingress by water-blocking yarn. The cable is sheathed by HDPE material.

结构参数(仅供参考) Techniacal Parameters (Ref)

光缆型号 Cable Type	光纤芯数 Fiber Count	套管数 Tubes	填充绳数 Fillers	光缆直径 Cable Diameter mm	光缆 参考重量 Cable Weight (kg/km)	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GYCFHTY-(24-72)C	24-72	2-6	4-0	5.6	21	150/500	150/450	10D/20D
GYCFHTY - 96C	96	8	0	6.4	31	250/800	150/450	10D/20D
GYCFHTY - 144C	144	12	0	8.3	49	250/800	150/450	10D/20D

注：“D”代表光缆直径。 Note: “D” is diameter of the cable.

产品应用
Applications

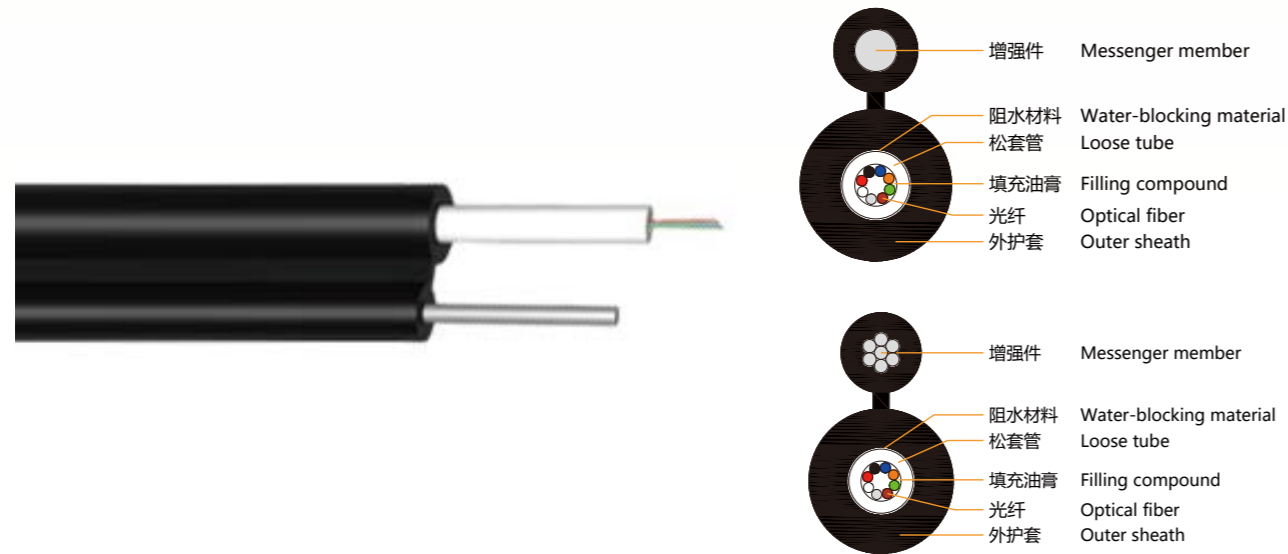
利用微管资源，特别适用于骨干网、接入网和光纤到户
Adapted to backbone network, access network and fiber to the home

运输/储存/使用温度 Transport/Storage/Operating Temperature

-30°C~+70°C

8字形中心管自承式非铠装光缆

(GYXTC8Y-(2-24)C) Figure-8 Center Loose Tube Self-Supporting Non-armored Cable



产品简介 | Product Description

◆ 8字形中心管自承式非铠装光缆是将250μm光纤套入高模量材料制成的松套管中，套管内填充无毒、无害的防水化合物。松套管位于缆的中心位置，外覆阻水纱或者阻水带，钢丝或者钢绞线作为自承式元件，再挤制聚乙烯护套成缆，光缆横截面为8字形。

The 250μm fibers are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. The tube is located in the center of the cable, covered with water-blocking yarn or water-blocking tape, steel wire or stranded steel wire as self-supporting member, the cable is sheathed by PE material. The cross section of the cable is figure 8.

结构参数(仅供参考) Technical Parameters (Ref)

光缆型号 Cable Type	光纤芯数 Fiber Count	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GYXTC8Y - (2-12)C	2-12	3.7X6.0	22	300 / 600	300 / 1000	10H / 20H
GYXTC8Y - (14-24)C	14-24	4.6X9.0	40	600 / 1500		

其他拉力要求及外径可定制 Other tensile strength and diameter can be customized.

注：“H”代表光缆外径。 Note: “H” is the height of the cable.

产品应用 Applications

自承式架空，长途通信，局间通信
Self-supporting aerial, Long-distance communication, inter-office communication

运输/储存/使用温度 Transport/Storage/Operating Temperature

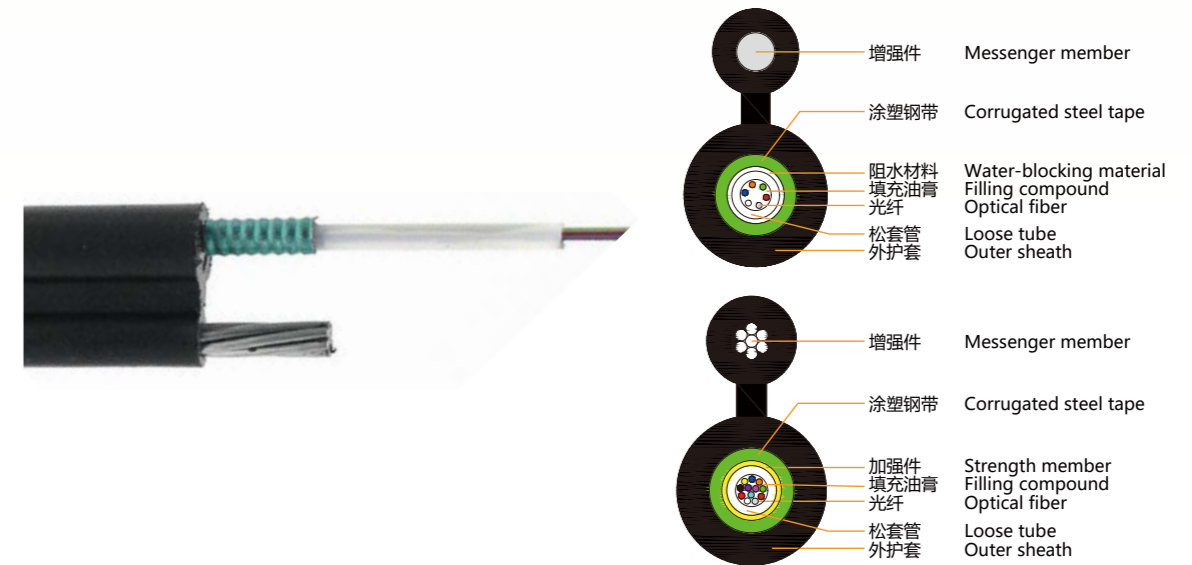
-40°C~+70°C

安装温度 Installation Temperature

-20°C~+60°C

(GYXTC8S-(2-24)C) Figure-8 Center Loose Tube Self-Supporting Light-armored Cable

8字形中心管自承式轻铠装光缆



产品简介 | Product Description

◆ 8字形中心管自承式轻铠装光缆是将250μm光纤套入高模量材料制成的松套管中，套管内填充无毒、无害的防水化合物。松套管位于缆的中心位置，外覆阻水纱或者阻水带，套管外包覆涂塑皱纹钢带，钢丝或者钢绞线作为自承式元件，再挤制聚乙烯护套成缆，光缆横截面为8字形。

The 250μm fibers are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. The tube is located in the center of the cable, covered with water-blocking yarn or water-blocking tape, plastic coated corrugated steel tape is applied around the tube. Steel wire or stranded steel wire as self-supporting member, the cable is sheathed by PE material. The cross section of the cable is figure 8.

结构参数(仅供参考) Technical Parameters (Ref)

光缆型号 Cable Type	光纤芯数 Fiber Count	光缆直径 (mm) Cable Diameter	光缆重量(kg/km) Cable Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
GYXTC8S - (2-24)C	2-24	6.0X10.8	105	600 / 1500	300 / 1000	10H / 20H

其他拉力要求及外径可定制 Other tensile strength and diameter can be customized.

注：“H”代表光缆外径。 Note: “H” is the height of the cable.

产品应用 Applications

自承式架空，长途通信，局间通信
Self-supporting aerial, Long-distance communication, inter-office communication

运输/储存/使用温度 Transport/Storage/Operating Temperature

-40°C~+70°C

安装温度 Installation Temperature

-20°C~+60°C



产品简介 | Product Description

◆ 光纤复合架空地线 (OPGW) 是一种含有光纤的架空地线, 具有架空地线和光通信等多重功能, 主要用于110KV、220KV、500KV、750KV及新建架空高压输电系统的通信线路。也可用于更换旧架空高压输电系统的现有地线, 增加光通信线路, 传导短路电流并提供抗雷击保护。可根据用户需求定制特殊结构。

Optical fiber composite overhead ground wire (OPGW) is a kind of aerial ground wire containing optical fiber, which has multiple functions such as overhead ground wire and optical communication, mainly used for 110KV, 220KV, 500KV, 750KV and new overhead high voltage transmission system communication lines. It can also be used to replace the existing ground lines of the old overhead high voltage transmission system, add optical communication lines, conduct short circuit current and provide lightning protection. Special structures can be customized according to the user's needs.

结构及性能参数 Structure and Performance Parameters

	类型 Type	材料 Material	数值 Numerical Value
结构 Structure	光纤 Optical Fiber	G652D/G655	2-48
	保护管 Protector tube	不锈钢管 Stainless Steel tube	1.5-6mm
	绞合单线 Single line	铝包钢 铝合金/铝杆 Aluminum clad steel Aluminum Alloy/Rod	1.5-6mm
	最大外径 Max Diameter		18mm
	最大截面积 Max Section Area		200mm ²
机械性能 Mechanical Performance	满足标准 DL/T 832-2016 Meet Standards DL/T 832-2016		
	最大拉力(RTS) KN Rated Tensile Strength		280
	最大压扁力(N/100mm) Max Crush Resistance		2200
	最大短路电流容量(40-200°C KA ² -S) Max Allowed Short-Circuit Current Capacity		100
	最小弯曲半径(动态) Min Bending Radius (Dynamic)		20D
环境性能 Environment Performance	安装温度范围(°C) Installation Temperature Range		-10~+50
	运行及储存温度范围(°C) Operating and Storage Temperature Range		-40~+65

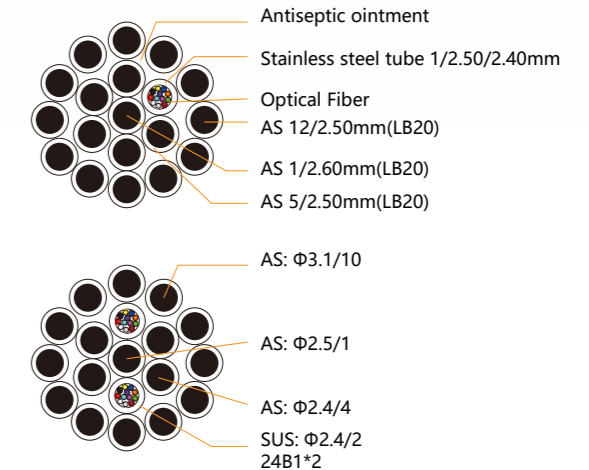
注: "D" 代表 OPGW 的缆径。 Note: "D" is diameter of OPGW.

具体型号及技术参数 Specific Type and Technical Parameters

产品型号 Product Type	光缆结构形式 Structure	铝包钢截面(mm ²) AS Section	外径(mm) Diameter	参考光缆重量(kg/km) Cable Weigh (Ref)	额定拉断力(KN) Rated Breaking Force	20°C直流电阻(Ω/km) 20°C DC Resistance	允许短路电流容量 Allowed Short-Circuits Current Capacity
OPGW-24C-40-[51;9]	6/3.0/20AS, 光单元 1/3.0	≈40	9.0	≤304	≥51	≤2.1	≥9
OPGW-24C-50-[58;11.5]	6/3.2/20AS, 光单元 1/3.2	≈50	9.6	≤345	≥58	≤1.82	≥11.5
OPGW-48C-70-[77;24]	6/3.8/20AS, 光单元 1/3.8	≈70	11.4	≤475	≥77	≤1.30	≥24
OPGW-48C-70-[42;38]	6/3.8/40AS, 光单元 1/3.8	≈70	11.4	≤340	≥42	≤0.70	≥38

产品特点 Characteristics

- ◆ 不锈钢管保护光纤, 抗拉强度大
Stainless steel tube protects optical fibers with high tensile strength
- ◆ 光单元形成适宜的一次光纤余长
Suitable excess length of primary optical fiber formed by optical unit
- ◆ 缆径小, 重量轻, 对杆塔的附加荷载低
Small diameter, Light weight and low additional load on the tower



产品简介 | Product Description

◆ 光纤复合架空地线 (OPGW) 是一种含有光纤的架空地线, 具有架空地线和光通信等多重功能, 主要用于110KV、220KV、500KV、750KV及新建架空高压输电系统的通信线路。也可用于更换旧架空高压输电系统的现有地线, 增加光通信线路, 传导短路电流并提供抗雷击保护。可根据用户需求定制特殊结构。

Optical fiber composite overhead ground wire (OPGW) is a kind of aerial ground wire containing optical fiber, which has multiple functions such as overhead ground wire and optical communication, mainly used for 110KV, 220KV, 500KV, 750KV and new overhead high voltage transmission system communication lines. It can also be used to replace the existing ground lines of the old overhead high voltage transmission system, add optical communication lines, conduct short circuit current and provide lightning protection. Special structures can be customized according to the user's needs.

结构及性能参数 Structure and Performance Parameters

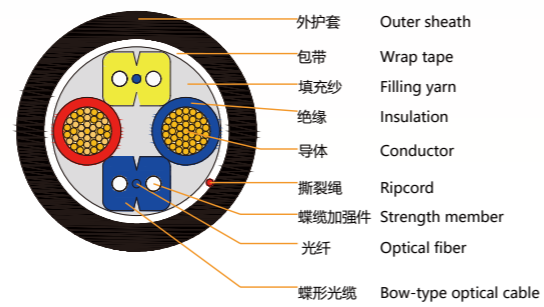
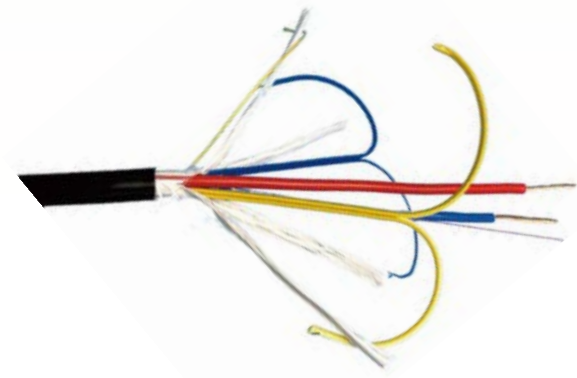
	类型 Type	材料 Material	数值 Numerical Value
结构 Structure	光纤 Optical Fiber	G652D/G655	2-144
	保护管 Protector tube	不锈钢管 Stainless Steel tube	1.5-6mm
	绞合单线 Single line	铝包钢 铝合金/铝杆 Aluminum clad steel Aluminum Alloy/Rod	1.5-6mm
	最大外径 Max Diameter		30mm
	最大截面积 Max Section Area		500mm ²
机械性能 Mechanical Performance	满足标准 DL/T 832-2016 Meet Standards DL/T 832-2016		
	最大拉力(RTS) KN Rated Tensile Strength		700
	最大压扁力(N/100mm) Max Crush Resistance		3000
	最大短路电流容量(40-200°C KA ² -S) Max Allowed Short-Circuit Current Capacity		2000
	最小弯曲半径(动态) Min Bending Radius (Dynamic)		20D
环境性能 Environment Performance	安装温度范围(°C) Installation Temperature Range		-10~+50
	运行及储存温度范围(°C) Operating and Storage Temperature Range		-40~+65

注: "D" 代表 OPGW 的缆径。 Note: "D" is diameter of OPGW.

光纤芯数、光纤种类及绞线类型均可设计。 Fiber cores, fiber type and stranded type can be designed.

产品特点 Characteristics

- ◆ 最佳的绞合设计, 可获取二次光纤余长
Optimal stranded design, can obtain secondary fiber length
- ◆ 单丝可为铝包钢线和/或铝合金线、铝线的组合
A single wire can be a combination of aluminum clad steel wire and / or aluminum alloy wire and aluminum wire
- ◆ 抗拉强度和短路电流容量较大, 可达到机械和电气性能最佳平衡
Tensile strength and short-circuit current capacity is large, which can achieve the best balance of mechanical and electrical performance
- ◆ 绞线层数可设计两层或三层
The number of strand layers can be designed with two or three layers
- ◆ 缆径较大, 可设计大光纤芯数
The cable diameter is large, which can design a large optical fiber core number
- ◆ 结构稳定, 可靠性高
Stable structure and high reliability



产品简介 | Product Description

- GDVV/GDHH/GDJH型光电复合缆的结构是由单模光纤、钢丝、低烟无卤阻燃聚烯烃材料挤塑成型的蝶缆和铜芯电源线成缆组成内部光电系统，外护套使用非极性阻燃塑料挤塑成型。
The structure of GDVV / GDHH / GDJH photoelectric composite cable is composed of single-mode optical fiber, steel wire, butterfly cable with low-smoke halogen-free flame retardant polyolefin material and copper core power cable. The outer sheath is extrusion molded with non-polar flame retardant plastic.

结构参数(仅供参考) Techniacal Parameters (Ref)

产品规格 Product Specifications	参考外径 (mm) Reference Outer Diameter	参考重量(kg/km) Reference Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term
GDVV/GDHH/GDJH-2G.657A2(BOW-type)+2X1.5mm ²	9.0±0.2	95.3	300 / 600	600 / 1200
GDVV/GDHH/GDJH-2G.657A2(BOW-type)+2X2.5mm ²	10.0±0.2	125		
GDVV/GDHH/GDJH-2G.657A2(BOW-type)+2X4mm ²	11.0±0.2	153		
GDVV/GDHH/GDJH-2G.657A2(BOW-type)+2X6mm ²	12.2±0.2	200		

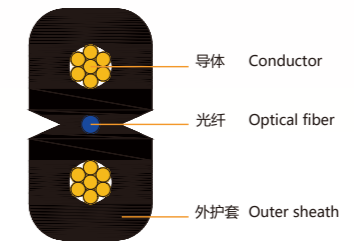
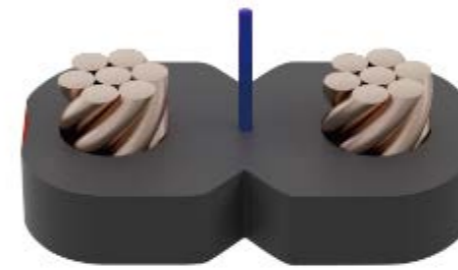
绝缘体电气性能 Electrical properties of the insulators

导体面积 (mm ²) Conductor area	单根导体20℃最大直流电阻 (Ω/km) Max DC resistance of a single conductor at 20℃	每根绝缘导线与缆内相连的其他金属之间20℃绝缘电阻 (MΩ·km) 20 °C insulation resistance between each insulated wire and other metals connected inside the cable	导体间绝缘耐压强度 (KV, DC 1min) Insulation and withstand voltage strength between conductors
1.5	13.3	> 5000	2
2.5	7.98		
4.0	4.95		
6.0	3.30		

运输/储存/使用温度 Transport/Storage/Operating Temperature: -20°C~+60°C

产品特点
Characteristics

- ◆主要用于室内，为通信室内配电站提供电力输送和信号传输
Mainly used indoors to provide power transmission and signal transmission for communication indoor distribution station
- ◆降低采购成本，节约施工费用
Reduce the procurement cost and save the construction cost
- ◆光电一体化，解决设备用电和信号传输问题，提供对设备电源的集中监控和维护
Photoelectric integration, to solve the problem of equipment electricity consumption and signal transmission, to provide centralized monitoring and maintenance of equipment power supply
- ◆适合管道敷设
Suitable for duct laying



产品简介 | Product Description

- GJXH型光电复合缆的结构是由单模光纤、铜丝、低烟无卤阻燃聚烯烃材料挤塑成型，由光单元、电单元和护套组成，其外形呈“蝶缆”形状。
The structure of GJXH type photoelectric composite cable is made of single-mode optical fiber, copper wire, and low-smoke, zero halogen, flame retardant polyolefin material. It is composed of optical unit, electrical unit and sheath, and the shape is "bow-type cable".

结构参数(仅供参考) Techniacal Parameters (Ref)

产品规格 Product Specifications	参考外径 (mm) Reference Outer Diameter	参考重量(kg/km) Reference Weight	允许拉伸力(N) Tensile Strength 长期/短期 Long/Short Term	允许压扁力 (N/100mm) Crush Resistance 长期/短期 Long/Short Term
GJXH - 1B6b3 + 2x (10*0.20mm)	(3.2 ± 0.2) X (1.7 ± 0.1)	11	60 / 120	500 / 1000

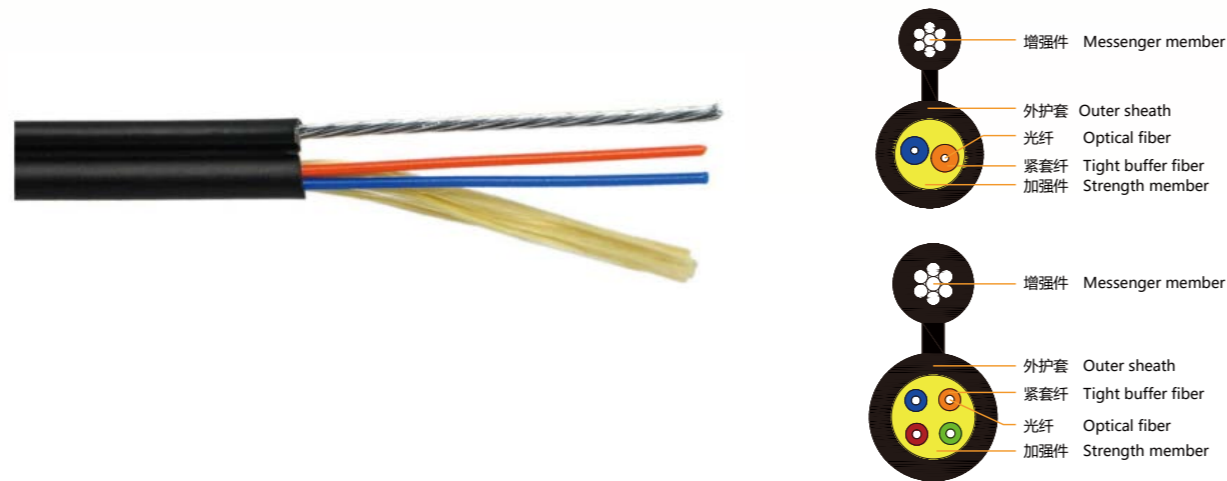
绝缘体电气性能 Electrical properties of the insulators

导体规格 (mm) Conductor Specification	单根导体20℃最大直流电阻 (Ω/km) Max DC resistance of a single conductor at 20℃	每根绝缘导线与缆内相连的其他金属之间20℃绝缘电阻 (MΩ·km) 20 °C insulation resistance between each insulated wire and other metals connected inside the cable	导体间绝缘耐压强度 (KV, DC 1min) Insulation and withstand voltage strength between conductors
10 X 0.20	57.8	> 500	2

C FTTH光缆

FTTH Optical Cable





产品简介 | Product Description

◆ 8字形自承式圆形引入光缆使用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，钢丝或者钢绞线作为自支撑元件，最外挤制一层LSZH(低烟、无卤、阻燃)护套而成。
Fig8 self-supporting round type drop cable use several tight buffer fiber as optical communication medium,the tight buffer fiber wrapped with a layer of aramid yarn as strength member units,steel wire or stranded steel wire as the messenger member,and the cable is sheathed by a LSZH(Low smoke,Zero halogen, Flame-retardant)material.

产品特点 | Characteristics

- ◆ 结构简单，重量轻，实用性强
Simple structure, light weight, very practical
- ◆ 钢丝作为自支撑元件，具有优异的抗拉性能
Steel wire as self-supporting member making cable have excellent tensile strength performance

结构参数 Technical Parameters

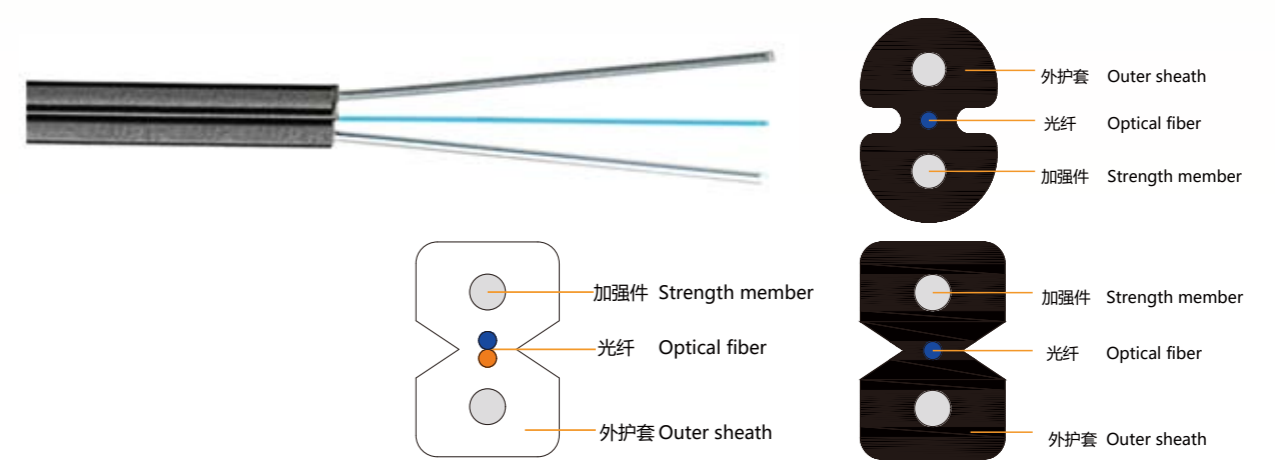
光缆型号 Cable Code	光缆直径 (mm) Cable Diameter	紧套纤 外径(mm) Tight Buffer Fiber Diameter	光缆 参考重量(kg/km) Cable Weight	允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
			LSZH 护套 LSZH Sheath			
GJYRC8H-2C	(3.5 ± 0.2)*(6.5 ± 0.3)	0.6/0.9	24	400/800	300/1000	10H / 20H
GJYRC8H-4C	(3.5 ± 0.2)*(6.5 ± 0.3)	0.6	24	400/800	300/1000	10H / 20H
GJYRC8H-4C	(5.0 ± 0.2)*(8.0 ± 0.3)	0.9	33	400/800	300/1000	10H / 20H

大芯数的可定制 More cores can be customized
注：“H”代表光缆高度。 Note: “H” is the height of the cable.

产品应用
Applications

- ◆ 室外引入楼宇 Access to the building from outside
- ◆ 光纤入户 Fiber to the home (FTTH)

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



产品简介 | Product Description

◆ 接入网用室内蝶形引入光缆是将光通信单元处于中心，两侧放置两根平行金属或非金属加强元件，最后挤制低烟无卤阻燃聚烯烃护套成缆。
There are two parallel metal or non-metallic strength members at two sides of the indoor bow-type drop cable to protect the fiber in the center of the cable, Then,the cable is sheathed by a LSZH material.

产品特点 | Characteristics

- ◆ 特种弯曲损耗不敏感光纤，提供更大的带宽，增强网络传输特性
Special bending insensitive fiber provides high bandwidth and excellent communication transmission property
- ◆ 低烟无卤阻燃护套，环保
Low smoke,zero halogen and flame retardant sheath
- ◆ 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
- ◆ 光缆结构简单，重量轻，实用性强
Simple structure,light weight and high practicability
- ◆ 两根平行加强件使光缆具有良好的抗压性能，保护光纤
Two parallel strength members ensure good performance of crush resistance to protect the fiber

结构参数 Technical Parameters

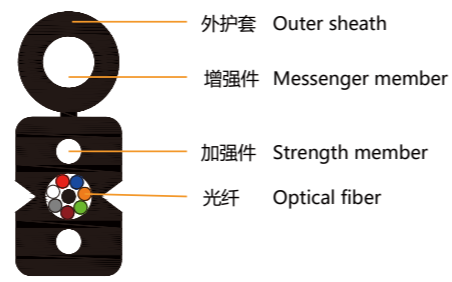
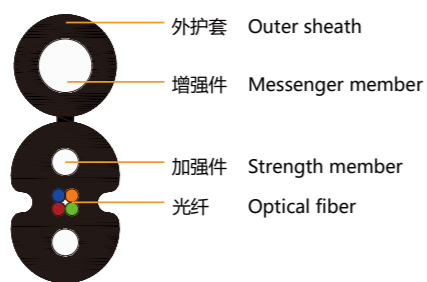
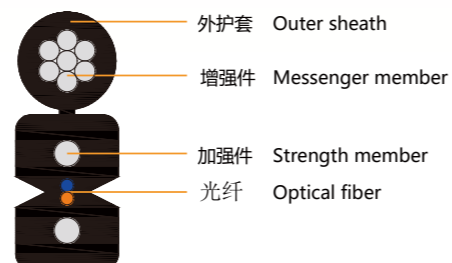
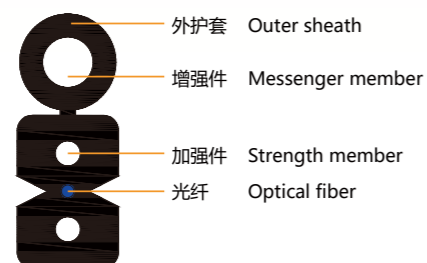
光缆型号 Cable Code	光缆参考直径 (mm) Cable Diameter	加强件类型 Strength Member Type	光缆 参考重量(kg/km) Cable Weight	允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
			LSZH 护套 LSZH Sheath			
GJXFH-(1-4)C	(3.0 ± 0.1)*(2.0 ± 0.1)	0.5mm FRP	9.0	40/80	500/1000	10H / 20H
GJXH-(1-4)C	(3.0 ± 0.1)*(2.0 ± 0.1)	0.4mm 钢丝 Steel wire	10.3	60/120	1000/2200	10H / 20H
GJXH-(1-4)C	(3.0 ± 0.1)*(2.0 ± 0.1)	0.45mm 钢丝 Steel wire	10.5	100/200	1000/2200	10H / 20H

钢丝可以是镀锌钢丝或者磷化钢丝。 Steel wire can be Galvanized steel wire or Phosphating steel wire.
注：“H”代表光缆高度。 Note: “H” is the height of the cable.

产品应用
Applications

- ◆ 室内综合布线 Indoor any Purpose Cable Distribution
- ◆ 光纤入户 Fiber to the home (FTTH)

运输/储存/使用温度 Transport/Storage/Operating Temperature	-20°C~+60°C
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产品简介 | Product Description

- ◆ 自承式接入网用蝶形引入室内外通用光缆是将光通信单元处于中心，两侧放置两根平行金属或非金属加强元件，在外侧再附加一根钢丝或者钢绞线加强元件，最后挤制低烟无卤阻燃聚烯烃护套成缆。
The optical fiber unit is positioned in the centre. Two parallel strength member are placed at the two sides. A steel wire or stranded steel wire as the messenger member is also applied. Then, the cable is sheathed by a LSZH material.

产品特点 | Characteristics

- ◆ 特种弯曲损耗不敏感光纤，提供更大的带宽，增强网络传输特性
Special bending insensitive fiber provides high bandwidth and excellent communication transmission property
- ◆ 低烟无卤阻燃护套，环保
Low smoke, zero halogen and flame retardant sheath
- ◆ 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
- ◆ 光缆结构简单，重量轻，实用性强
Simple structure, light weight and high practicability
- ◆ 单根钢丝附加增强元件，使光缆具有良好的抗拉性能
Single steel wire as the additional messenger member ensures good performance of tensile strength
- ◆ 两根平行加强件使光缆具有良好的抗压性能，保护光纤
Two parallel strength members ensure good performance of crush resistance to protect the fiber

结构参数 Technical Parameters

光缆型号 Cable Code	光缆参考直径 (mm) Cable Diameter	增强件类型 Messenger Member Type	加强件类型 Strength Member Type	光缆参考重量(kg/km) Cable Weight	允许拉伸力(N) 长期/短期 Tensile Strength Long/Short Term	允许压扁力 (N/100mm) 长期/短期 Crush Resistance Long/Short Term	弯曲半径(mm) 静态/动态 Bending Radius Static/Dynamic
				LSZH 护套 LSZH Sheath			
GJYXFCH-(1-6)C	(5.1 ± 0.2)*(2.0 ± 0.1)	1.0/1.2mm 钢丝 Steel wire	0.5mm FRP	18.5/21.0	300/600	1000/2200	10H / 20H
GJYXFCH-8C	(5.1 ± 0.2)*(2.0 ± 0.1)	1.0/1.2mm 钢丝 Steel wire	0.5mm FRP	18.5/21.0	300/600	1000/2200	10H / 20H
GJYXFCH-12C	(5.5 ± 0.2)*(2.8 ± 0.1)	1.0/1.2mm 钢丝 Steel wire	0.5mm FRP	23.0/25.5	300/600	1000/2200	10H / 20H
GJYXCH-(1-6)C	(5.1 ± 0.2)*(2.0 ± 0.1)	1.0/1.2mm 钢丝 Steel wire	0.4mm 钢丝 Steel wire	20.5/22.0	300/600	1000/2200	10H / 20H
GJYXCH-8C	(5.1 ± 0.2)*(2.0 ± 0.1)	1.0/1.2mm 钢丝 Steel wire	0.4mm 钢丝 Steel wire	20.5/22.0	300/600	1000/2200	10H / 20H
GJYXCH-12C	(5.5 ± 0.2)*(2.8 ± 0.1)	1.0/1.2mm 钢丝 Steel wire	0.4mm 钢丝 Steel wire	25/27.5	300/600	1000/2200	10H / 20H

增强件可以是钢绞线，钢丝可以是镀锌钢丝或者磷化钢丝
Messenger member can be stranded steel wire, then, steel wire can be Galvanized steel wire or Phosphating steel wire

注：“H”代表光缆高度。 Note: “H” is the height of the cable.

产品应用
Applications

- ◆ 室外引入楼宇 Access to the building from outside
- ◆ 光纤入户 Fiber to the home (FTTH)

运输/储存/使用温度 Transport/Storage/Operating Temperature

-20°C~+60°C

D 光纤跳线和尾纤

Optical fiber Patch cord and pigtail





产品简介 | Product Description

◆ 我司跳线和尾纤产品涵盖FC、SC、LC、ST、MU、MT-RJ、E2000、MPO/MTP等标准和定制产品，可选配单工、双工、微型双并结构的单模、多模光缆。具有低插损、高回损、高可靠性和稳定性，可以为客户带来方便、快捷、优良的光性能连接。

Our company patch cord and pigtail products cover standard and customized products such as FC, SC, LC, ST, MU, MT-RJ, E2000, MPO/MTP, and can be optionally equipped with single mode and multi mode optical cables with simplex, duplex and micro dual parallel structures. Having low insertion loss, high return loss, high reliability and stability, it can provide customers with Users bring convenient, fast, and excellent optical performance connections.

产品特点 | Characteristics

- ◆ 低插损,高回损
Low insertion loss, high return loss
- ◆ 机械耐久性500次
Mechanical durability for 500 times
- ◆ 三种端面研磨方式: PC、UPC、APC
Three end surface grinding methods: PC, UPC, APC
- ◆ 光缆材料满足OFNR、OFNP阻燃等级
Optical cable material meets the flame retardant grades of OFNR, OFNP

产品参数 Product Parameters

光纤连接器类型 Connector Type	FC、SC、LC、ST、MU、MT-RJ、E2000、MPO/MTP等 FC、SC、LC、ST、MU、MT-RJ、E2000、MPO/MTP and so on	
端面类型 End Surface	PC / UPC / APC	
光纤类型 Optical Fiber Category	单模 Single Mode	多模 Multi Mode
插入损耗 (dB) Insertion Loss	典型值0.20 Typical 0.20 最大值0.30 Max.0.30	典型值0.20 Typical 0.20 最大值0.30 Max.0.30
回波损耗 (dB) Return Loss	PC≥40, UPC≥50, APC≥60	≥35
产品标准 Product Standard	满足GR-326, IEC61754系列, YD/T1272系列标准及ROHS标准 Meets GR-326, IEC61754, YD/T1272 series standards and ROHS standards	
工作温度范围 Operation Temperature Range	-25℃~+70℃	
环保 Environmental	符合ROHS要求 Meet the requirements of ROHS	



产品简介 | Product Description

- ◆ 室内单、双芯跳线由室内单、双芯光缆制成，光缆两端装有连接器。
Indoor simplex and duplex patch cord are made of indoor simplex/duplex optical cable with connectors fitted at both ends.
- ◆ 跳线按连接器类型、光缆外径、端面类型、光纤类型进行分类。
Patch cords are classified by connector construction/cable diameter/end face type/type of fiber.

连接器类型 / Connectors	FC, SC, LC, ST	光缆外径 / Cable Diameter	0.9mm, 2.0mm, 3.0mm
光纤类型 / Fiber Type	单模 Single-mode 多模 Multi-mode	端面类型 / End Surface Type	UPC, APC

产品特点 | Characteristics

- ◆ 符合IEC-61754、YD/T1272系列标准
Satisfy IEC-61754, YD/T 1272 series standard.
- ◆ 良好的环境适应性
Excellent environmental adaptability
- ◆ 连接器抗拉强度 > 70N
Connector tensile strength > 70N.
- ◆ 即插即用，使用方便，插损低，优良的可重复性、可互换性及温度稳定性
Plug and play, easy to use, low insertion loss, excellent repeatability, interchangeability, and temperature stability
- ◆ 工作温度范围: -40℃~+80℃
Working Temperature range: -40℃~+80℃

连接器端面几何参数 Connector End Face Geometric Parameters

类型 Type	曲率半径 Radius of curvature	顶点偏移 Vertex offset	光纤高度 Fiber Height	角度 Angle
LC/UPC	7-12mm	+50 / 0 nm	±50μm	0
LC/APC	5-12mm	+50 / 0 nm	±50μm	8±0.3°
SC/UPC	10-25mm	+50 / 0 nm	±50μm	0
SC/APC	5-12mm	+50 / 0 nm	±50μm	8±0.3°

光学性能 Optical Performance

测试项目 Test Item	标准 Standard	测试方法 Test Method
插入损耗 (dB) Insertion Loss	< 0.30dB	IEC61300-3-34
回波损耗 (dB) Return Loss	单模光纤 SM UPC≥50dB APC≥60dB	IEC61300-3-6
	多模光纤 (MM) ≥35dB	

建议长度 Suggested Length: 1~150m 或者依客户标准 1~150m or customer standard

产品应用
Applications

光纤通信系统, 光纤接入网, 光纤数据传输, 局域网, 接线柜等
Optical fiber communication system, optical fiber access network, optical fiber data transmission, local area network, wiring cabinet, etc.



产品简介 | Product Description

- ◆ 预制成端蝶形光缆跳线是由蝶形光缆和连接器组成
Pre-terminated patch cord is assembled by drop cable and connector.
- ◆ 蝶形光缆的外径通常为3.0x2.0mm或者5.0x2.0mm
The outer diameter of the drop cable is usually 3.0x2.0mm or 5.0x2.0mm.
- ◆ 光纤数量为1芯或者2芯
Fiber count is 1 core or 2 cores.
- ◆ 连接器为SC或者FC
The connector is SC or FC.

产品特点 | Characteristics

- ◆ 光缆护套环保、阻燃、耐腐蚀
Cable sheath is environmentally friendly, flame retardant and corrosion resistant
- ◆ 选择弯曲损耗不敏感光纤，提供更大的带宽，增强网络传输特性
Select bending insensitive fiber to provide larger bandwidth and enhance network transmission characteristics
- ◆ 符合IEC-61754、YD/T1272系列标准
Satisfy IEC-61754、YD/T 1272 series standard
- ◆ 连接器抗拉强度 > 50N
Connector tensile strength > 50N
- ◆ 光缆结构简单，重量轻，实用性强
Simple cable structure, light weight and strong practicability

连接器端面几何参数 Connector End Face Geometric Parameters

类型 Type	曲率半径 Radius of curvature	顶点偏移 Vertex offset	光纤高度 Fiber Height	角度 Angle
FC/UPC	10-25mm	+50 / 0 nm	±50µm	0
FC/APC	5-12mm	+50 / 0 nm	±50µm	8±0.3°
SC/UPC	10-25mm	+50 / 0 nm	±50µm	0
SC/APC	5-12mm	+50 / 0 nm	±50µm	8±0.3°

光学性能 Optical Performance

测试项目 Test Item	标准 Standard	测试方法 Test Method
插入损耗 (dB) Insertion Loss	< 0.30dB	IEC61300-3-34
回波损耗 (dB) Return Loss	单模光纤 SM	UPC≥50dB APC≥60dB
		IEC61300-3-6

建议长度 Suggested Length 1~300m 或者依客户标准 1~300m or customer standard

产品应用 Applications FTTH、智能建筑、数字社区、校园网、局域网等
FTTH, smart building, digital community, campus network, local area network, etc.

工作温度范围 Working Temperature range -40°C ~ +70°C



产品简介 | Product Description

- ◆ 多芯室内外跳线由室内或者室外多芯数光缆和连接器组装。根据光缆结构分为分支光缆跳线和集束光缆跳线。
These patch cords are assembled by indoor or outdoor multi-core optical fibers and connectors. According to the optical cable structure, they are classified as branch cable patch cord and bundled cable patch cord.
- ◆ 光缆的外径为3.0mm、3.5mm、4.5mm、5.0mm、5.5mm、6.0mm等。
Optical fiber cable diameter : 3.0mm、3.5mm、4.5mm、5.0mm、5.5mm、6.0mm etc.
- ◆ 光纤数量为4芯、6芯、8芯、12芯、24芯、36芯、48芯等。
Fiber count : 4,6,8,12,24,36,48etc.
- ◆ 连接器为SC、FC、LC或者ST
The connector is SC or FC or LC or ST.

产品特点 | Characteristics

- ◆ 符合IEC-61754、YD/T1272系列标准
Satisfy IEC-61754、YD/T 1272 series standard.
- ◆ 连接器抗拉强度 > 70N
Connector tensile strength > 70N.
- ◆ 分支拉力 > 150N
Branch pull strength > 150N.
- ◆ 高密度集成，节省空间，提高安装效率。
High-density integration, save space, improve installation efficiency.
- ◆ 工作温度范围：-40°C ~ +80°C
Working Temperature range : -40°C ~ +80°C

连接器端面几何参数 Connector End Face Geometric Parameters

类型 Type	曲率半径 Radius of curvature	顶点偏移 Vertex offset	光纤高度 Fiber Height	角度 Angle
LC/UPC	7-12mm	+50 / 0 nm	±50µm	0
LC/APC	5-12mm	+50 / 0 nm	±50µm	8±0.3°
SC/UPC	10-25mm	+50 / 0 nm	±50µm	0
SC/APC	5-12mm	+50 / 0 nm	±50µm	8±0.3°

光学性能 Optical Performance

测试项目 Test Item	标准 Standard	测试方法 Test Method
插入损耗 (dB) Insertion Loss	< 0.30dB	IEC61300-3-34
回波损耗 (dB) Return Loss	单模光纤 SM	UPC≥50dB APC≥60dB
	多模光纤 (MM) ≥35dB	IEC61300-3-6

建议长度 Suggested Length 1~300m 或者依客户标准 1~300m or customer standard

产品应用 Applications FTTH、智能建筑、数字社区、校园网、局域网等
FTTH, smart building, digital community, campus network, local area network, etc.



产品简介 | Product Description

- ◆ MPO/MTP由多芯迷你光缆和连接器组装而成，广泛应用于数据中心。它实现了高密度连接。IEEE802.3标准规定的40G和100G模块接口均基于MPO连接器的标准尺寸。因此，在当前的数据中心布线系统中，MPO/MTP连接器越来越多的被使用，以满足线路传输和未来升级、扩展的需求。

MPO/MTP are assembled by multi-core mini cables and connectors, it is widely use in data centers. It realize high-density connections. The 40G and 100G module interfaces specified by the IEEE802.3 standard are all based on the standard size of MPO connector. So in the current data center wiring network, MPO/MTP connector is used more and more to meet the needs of line transmission and future upgrades and expansion.

- ◆ 光纤芯数：主要以8、12、16、24、32芯为主。
Fiber count: mainly are 8, 12, 16, 24, and 32 core.
- ◆ 光纤外径：3.0mm、3.5mm、4.5mm、5.0mm、9.5mm等。
Outer diameter of the cable : 3.0mm, 3.5mm, 4.5mm, 5.0mm, 9.5mm, etc.
- ◆ 类型：带状MPO跳线和束状MPO跳线。
Types: ribbon MPO patch cord and bundle MPO patch cord.
- ◆ 传输类型可从2-48芯0.9mm或者2.0mm光缆分支中传输出来，分支连接器为SC/FC/LC等。
The transfer type can be transferred out of a 2-48 core 0.9mm or 2.0mm optical cable branch, and the branch connector is SC/FC/LC, etc.

产品特点 | Characteristics

- ◆ 符合IEC-61754、YD/T1272系列标准，具有良好的机械性能
Satisfy IEC-61754, YD/T 1272 series standard, Optical cable has good mechanical characteristics
- ◆ 高密度集成，精度高，低损耗，节省空间，提高安装效率
High-density integration, high precision, low loss, save space, improve installation efficiency
- ◆ 分支拉力 > 150N
Branch pull strength > 150N.
- ◆ 连接器抗拉强度 > 70N
Connector tensile strength > 70N

参数 Parameters

MPO/MTP 连接器 MPO / MTP Connector		单模光纤标准 Standard SM	低损耗单模光纤 Low Loss(Elite) SM	多模光纤标准 Standard MM	低损耗单模光纤 Low Loss MM
插入损耗 (dB) Insertion Loss	典型值 Typical	0.35dB	0.20dB	0.35dB	0.20dB
	最大值 Maximum	0.75dB	0.35dB	0.60dB	0.35dB
回波损耗 (dB) Return Loss		≥60dB for APC (8 Angle Polish) ≥50dB for PC		≥20dB for PC —	
公/母头 Male/Female		公头有Pin针，母头无Pin针 Male: With Pins, Female: Without Pins			
抗拉强度 Tensile Strength		≤0.3 (MAX 66N)			
温度循环 Temperature Cycle		≤0.3 (-40°C ~ +75°C, 21Cycles)			

产品应用
Applications

数据中心，光纤到楼（FTTB），光模块和其他收发器设备的内部连接等
Internal connection of data center, fiber to the building, optical module and other transceiver equipment, etc

工作温度范围 Working Temperature range	-25°C ~ +70°C
建议长度 Suggested Length	1~300m 或者依客户标准 1~300m or customer standard



产品简介 | Product Description

- ◆ 一款小型高防水性能的SC单芯防水连接器。内置SC连接器内芯，采用耐高低温，耐酸碱腐蚀，抗紫外线的特种塑料制作外壳，辅助防水橡胶垫，其密封防水性能可达IP68级别。适用于3.0~5.0mm的单芯圆形光缆或者FTTH蝶形引入光缆。

A small, high waterproof SC single core waterproof connector. The internal core of the built-in SC connector is made of special plastic that is resistant to high and low temperatures, acid and alkali corrosion, and UV rays. It is equipped with an auxiliary waterproof rubber pad, and its sealing and waterproof performance can reach IP68 level. Suitable for 3.0-5.0mm single core circular optical cables or FTTH bow-type drop optical cables.

产品特点 | Characteristics

- ◆ 低插损,高回损
Low insertion loss, high return loss
- ◆ 密封设计：具有防水、防尘、防腐蚀等特点
Sealing design: with waterproof, dustproof, corrosion-resistant and other characteristics
- ◆ 螺旋卡口紧结构可保证长期可靠的连接
The spiral locking structure ensures long-term reliable connection
- ◆ 外形小巧、操作方便、坚固耐用
Compact in appearance, easy to operate, sturdy and durable
- ◆ 满足ROHS标准
Meets ROHS standards
- ◆ 导向结构，可以单手盲插，简单快捷的安装
Guiding structure, capable of blind insertion with one hand, simple and fast installation

产品参数 Product Parameters

光纤连接器类型 Connector Type	SC	
端面类型 End Surface	PC / UPC / APC	
光纤连接器类型 Optical Fiber Category	单模 Single Mode	多模 Multi Mode
插入损耗 (dB) Insertion Loss	典型值0.20 Typical 0.20 最大值0.30 Max.0.30	典型值0.20 Typical 0.20 最大值0.30 Max.0.30
回波损耗 (dB) Return Loss	PC≥40, UPC≥50, APC≥60	≥35
产品标准 Product Standard	满足GR-326, IEC61754系列, YD/T1272系列标准及ROHS标准 Meets GR-326, IEC61754, YD/T1272 series standards and ROHS standards	
工作温度范围 Operation Temperature Range	-25°C ~ +70°C	
环保 Environmental	符合ROHS要求 Meet the requirements of ROHS	



产品简介 | Product Description

光模块是进行光电和电光转换的光电子器件。光模块的发送端把电信号转换为光信号，接收端把光信号转换为电信号。光模块按照封装形式分类，常见的有SFP、SFP+、XFP、SFP28、QSFP+、QSFP28、CFP、QSFP-DD、SFF，千兆以太网网界面转换器（GBIC）等。

Optical modules are optoelectronic devices that perform photoelectric and electro-optical conversion. The transmitting end of the optical module converts electrical signals into optical signals, while the receiving end converts optical signals into electrical signals. Optical modules are classified according to their packaging forms, commonly including SFP, SFP+, XFP, SFP28, QSFP+, QSFP28, CFP, QSFP-DD, SFF, Gigabit Interface Converter (GBIC), etc.

产品特点 | Characteristics

- ◆ 符合SFP+封装并兼容SC/LC光接口
Compliant with SFP+ packaging and compatible with SC/LC optical interfaces
- ◆ 符合Telcordia GR-468-CORE可靠性要求
Complies with Telcordia GR-468-CORE reliability requirements
- ◆ 可热插拔，具备数字诊断和控制能力
Hot swappable, with digital diagnostic and control capabilities
- ◆ 满足EMI、ESD要求
Meet EMI and ESD requirements
- ◆ Class1/1M规范产品，符合IEC60825-1要求
Class1/1M standard products, compliant with IEC60825-1 requirements
- ◆ 符合ROHS标准
ROHS compliant

产品参数 Products Parameter

备注 Note	封装 Package	连接器 Connector	速率 Rate	工作波长 Working Wavelength	传输距离 Transmission Distance	激光器类型 Laser Type	探测器类型 Detector Type
XGSPON OLT N1	SFP+	SC	10G	1577nm/1270nm	20KM	EML	APD
XGSPON OLT N2a	SFP+	SC	10G	1577nm/1270nm	20KM	EML	APD
XGSPON OLT E1	SFP+	SC	10G	1577nm/1270nm	20KM	EML	APD
Combo XGS&GPON OLT C+	SFP+	SC	10G/2.5G/ 10G/1.25G	1577nm/1490nm/ 1270nm/1310nm	20KM	EML/DFB	APD
Combo XGS&GPON OLT D	SFP+	SC	10G/2.5G/ 10G/1.25G	1577nm/1490nm/ 1270nm/1310nm	20KM	EML/DFB	APD
10G EPON OLT	SFP+	SC	10G/2.5G/ 10G/1.25G	1577nm/1490nm/ 1270nm/1310nm	20KM	EML/DFB	APD
10G EPON ONU PR30	SFP+	SC	10G	1577nm/1270nm	20KM	DFB	APD
XGSPON ONU	SFP+	SC	10G	1577nm/1270nm	20KM	DFB	APD
10G EPON ONU	SFP+	SC	10G	1577nm/1270nm	20KM	DFB	APD
25G PON OLT 对此	SFP+	SC	25G	1358nm/1310nm	20KM	EML	APD
25G PON OLT 非对此	SFP+	SC	50G/25G	TBD	20KM	EML	APD



产品简介 | Product Description

PLC Splitters 是一种基于平面光波导技术的产品。产品具有低插入损耗和偏振相关损耗以及高通道均匀性等特点。

PLC Splitters is a product based on planar optical waveguide technology. The product has the characteristics of low insertion loss, polarization related loss, and high channel uniformity.

产品特点 | Characteristics

- ◆ 体积小，结构紧凑，插入损耗低，偏振损耗、功率分配均匀
Small size, compact structure, low insertion loss, uniform polarization loss and power distribution
- ◆ 连接器可提供SC/LC/FC，其他类型可定制
The connector can provide SC/LC/FC, and other types can be customized

产品标准
Standard

满足Telcordia GR-1209-CORE Issue 4及Telcordia GR-1221-CORE Issue 3标准，满足YD/T2000.1-2014标准及ROHS规范
Meet the standards of Telcordia GR-1209-CORE Issue 4, Telcordia GR-1221-CORE Issue 3, YD/T2000.1-2014 and ROHS standard

钢封分路器封装尺寸 (Packaging dimensions of steel sealed splitters)

规格 Specifications	1: 2	1: 4	1: 8	1: 16	1: 32	1: 64	2: 2	2: 4	2: 8	2: 16	2: 32	2: 64
L (mm)		40		50	60		40			50		60
W (mm)		4		7	12		4			7		12
H (mm)		4		4	4		4			4		4

微型分路器封装尺寸 (Packaging dimensions of miniature splitters)

规格 Specifications	1: 2	1: 4	1: 8	1: 16	1: 32	1: 64	2: 2	2: 4	2: 8	2: 16	2: 32	2: 64
L (mm)	60		60	80	100	60		60	80	80		
W (mm)	7		12	20	40	7		12	20	40		
H (mm)	4		4	6	6	4		4	6	6		

盒式分路器封装尺寸 (Packaging dimensions of box splitters)

规格 Specifications	1: 2	1: 4	1: 8	1: 16	1: 32	1: 64	2: 2	2: 4	2: 8	2: 16	2: 32	2: 64
L (mm)	100		120	140	100		120	140				
W (mm)	80		80	80	80		80	80				
H (mm)	10		18	29	100		120	120				

插片式分路器封装尺寸 (Packaging dimensions of plug-in splitters)

规格 Specifications	1: 2	1: 4	1: 8	1: 16	1: 32	1: 64	2: 2	2: 4	2: 8	2: 16	2: 32	2: 64
L (mm)	130		130	130	130	130		130	130	130		
W (mm)	100		100	100	100	100		100	100	100		
H (mm)	25		50	102	206	25		50	102	206		

托盘片式分路器封装尺寸 (Packaging dimensions of tray type splitters)

规格 Specifications	1: 2	1: 4	1: 8	1: 16	1: 32	1: 64	2: 2	2: 4	2: 8	2: 16	2: 32	2: 64
L (mm)	302		302	302	302		302		302	302		
W (mm)	180		180	180	180		180		180	180		
H (mm)	25		50	100	25		50		100			

机架式分路器封装尺寸 (Packaging dimensions of rack mounted type splitters)

规格 Specifications	1: 2	1: 4	1: 8	1: 16	1: 32	1: 64	2: 2	2: 4	2: 8	2: 16	2: 32	2: 64
L (mm)	483		483	483		483		483				
W (mm)	200		200	200		200		200				
H (mm)	44.45		89	44.45		89		44.45				

产品参数 Products Parameters

1xN分路器技术指标 Technical specifications of 1xN splitters

项目 Item	单位 Unit	规格 Specifications						
分光比 Splitting Ratio	/	1: 2	1: 4	1: 8	1: 16	1: 32	1: 64	
工作波长 Working Wavelength	nm	1260~1650						
插入损耗 Insertion Loss	典型值 Typical	dB	≤3.6	≤7.0	≤10.3	≤13.6	≤16.6	≤20.1
	最大值 Maximum	dB	≤4.0	≤7.4	≤10.5	≤13.7	≤16.9	≤20.4
插损均匀性 (Max.) Uniformity of insertion Loss	dB	0.8	0.8	0.8	1.0	1.5	2.0	
偏振相关损耗 (Max.) Polarization Related Loss	dB	0.2	0.3	0.3	0.3	0.3	0.4	
回波损耗 Return Loss	dB	UPC≥50, APC≥60						
方向性 Directivity	dB	≥55						
光纤类型 Fiber Category	/	G652D, G657A or customized						
工作温度 Working Temperature	°C	-40~+85						
储存温度 Storage Temperature	°C	-40~+85						
连接器类型 Connector Type	/	SC, FC, LC						
封装模式 Encapsulation Mode	/	钢管封装、Mini封装、模块封装、插片、机架 Steel sealed, Miniature, Module, Plug-in, Rack mounted						

产品参数 Products Parameters

2xN分路器技术指标 Technical specifications of 2xN splitters

项目 Item	单位 Unit	规格 Specifications						
分光比 Splitting Ratio	/	2: 2	2: 4	2: 8	2: 16	2: 32	2: 64	
工作波长 Working Wavelength	nm	1260~1650						
插入损耗 Insertion Loss	典型值 Typical	dB	≤4.2	≤7.2	≤10.6	≤13.8	≤17.0	≤20.5
	最大值 Maximum	dB	≤4.5	≤7.6	≤11.0	≤14.8	≤17.9	≤21.5
插损均匀性 (Max.) Uniformity of insertion Loss	dB	0.8	0.8	1.0	1.2	1.8	2.5	
偏振相关损耗 (Max.) Polarization Related Loss	dB	0.3	0.3	0.3	0.3	0.3	0.4	
回波损耗 Return Loss	dB	UPC≥50, APC≥60						
方向性 Directivity	dB	≥55						
光纤类型 Fiber Category	/	G652D, G657A or customized						
工作温度 Working Temperature	°C	-40~+85						
储存温度 Storage Temperature	°C	-40~+85						
连接器类型 Connector Type	/	SC, FC, LC						
封装模式 Encapsulation Mode	/	钢管封装、Mini封装、模块封装、插片、机架 Steel sealed, Miniature, Module, Plug-in, Rack mounted						



产品简介 | Product Description

- 光缆分纤箱是一种用来对光缆、光纤进行终接、分歧、配线、分光；并提供对光纤光缆保护及管理的设备。其主要用于FTTH-ODN网络的用户接入点，按其安装场景，可分为室内和室外型，按其功能又可分为配线型和分光型。

The optical fiber cable distribution box (ODB) is used for terminating, branching, wiring, and splitting optical cables and fibers; And provide equipment for the protection and management of fiber optic cables. It is mainly used as a user access point for FTTH-ODN networks. According to its installation scenario, it can be divided into indoor and outdoor types, and according to its function, it can be divided into distribution type and splitter type.

产品特点 | Characteristics

- 各线余长以卷绕的方式收容保护
The excess length of each line is stored and protected by winding
- 标识清楚，每芯光纤的接续及分配有明显的标识
Clearly identification, with clear markings on the splicing and distribution of each fiber core
- 内部结构布局合理，熔接区与配线区单独分开
The internal structure layout is reasonable, and the fusion area and wiring area are separated separately
- 走纤规范，满足光纤弯曲半径大于30mm，具有安全可靠的光纤连接、储纤功能
Fiber routing specifications, meeting the requirement of fiber bending radius greater than 30mm, with safe and reliable fiber connection and storage functions
- 产品采用高强度工程塑料注塑成型或优质钣金成型，有较好的机械强度，外型美观大方，坚固耐用。
The product adopts high-strength engineering plastic injection molding or high-quality sheet metal molding, which has good mechanical strength, beautiful and generous appearance, and is sturdy and durable.
- 钣金成型产品适用于室内挂壁安装，塑料注塑成型产品适用于室内外抱杆、挂壁安装。
Sheet metal formed products are suitable for indoor wall mounting installation and plastic injection molded products are suitable for indoor and outdoor pole and wall mounting
- 可安装SC、LC、双工LC适配器，模块化配线单元设计，安装维护方便
Can install SC, LC, duplex LC adapters, modular wiring unit design, easy installation and maintenance

产品参数 Products Parameter

类别 Category	塑料注塑成型 Plastic injection molding	钣金成型 Sheet metal molding
工作温度 Operating Temperature	-45°C~+65°C	-25°C~+55°C
环境温度 Environment Temperature	≤85% (+30°C时) ≤85% (At +30°C)	≤95% (+40°C时) ≤95% (At +40°C)
大气压力 Atmospheric Pressure	70kpa~106kpa	
防护等级 Protection Grade	IP65	IP53
绝缘电阻 Insulation Resistance	接地装置与箱体绝缘，绝缘电阻不小于2x10 ⁴ MΩ/500V (DC) The grounding device is insulated from the box, and the insulation resistance is not less than 2x10 ⁴ MΩ/500V(DC)	接地装置与箱体金属构件之间的绝缘电阻不小于2x10 ⁴ MΩ/500V (DC) The insulation resistance between the grounding device and the metal components of the box shall not be less than 2x10 ⁴ MΩ/500V
耐电压 (V) Voltage-Withstanding	接地装置与箱体金属构件之间的耐电压不小于3000V (DC) /1min The withstand voltage between the grounding device and the metal components of the box shall not be less than 3000V (DC)/1min	
连接器衰减 (dB) Connector Attenuation	≤0.3	
回波损耗 (dB) Return Loss	PC≥40dB, UPC≥50dB, APC≥60dB	
产品标准 Standards	满足YD/T2150-2010、GB/T2423-2008、GB/T3873-1998、GB/T9286-1998等国内标准及IEC61300-3-15、IEC61300-3-16、IEC61300-3-17、IEC61300-3-23等国际标准 Meet domestic standards of YD/T2150-2010、GB/T2423-2008、GB/T3873-1998、GB/T9286-1998 and the International standards of IEC61300-3-15、IEC61300-3-16、IEC61300-3-17、IEC61300-3-23	



产品简介 | Product Description

- 光缆接头盒设计用于室外光纤光缆的接头和连接。它为光缆的拼接和连接提供了空间和保护，使光缆具有优良的机械强度和机械性能，坚固的外壳，确保接头不受恶劣环境的破坏。主要有两种类型，卧式和立式（也称为帽式）。

The fiber optic splice closure is designed for the joint and connection of outdoor fiber optic cables. It provides space and protection for the splicing and connection of optical cables, make the optical fiber cable has excellent mechanical strength and mechanical performance. The sturdy casing ensures that the joints are not damaged by harsh environments. There are mainly two types, horizontal and vertical (also known as cap type).

产品特点 | Characteristics

- 卧式接头盒适用于架空、管道人井壁挂及直埋安装；立式接头盒适用于架空、管道人井壁挂及抱杆安装。
The horizontal splice closure is suitable for aerial, pipeline manhole wall hanging, and direct burial installation; Vertical splice closure are suitable for aerial, pipeline manhole walls hanging, and suspension poles installation.
- 选择熔接盘，适合带状光纤或集成束状光纤，可在最大容量内任意配置
Choose a fusion tray that is suitable for ribbon fiber or integrated bundle fiber, and can be configured freely within the maximum capacity
- 走纤规范，确保光纤、光缆在任何位置的弯曲曲率半径大于30mm
Fiber routing standards ensure that the bending curvature radius of optical fibers and cables is greater than 30mm at any position
- 可提供光缆的直通、分歧、熔接功能。
It can provide direct, branching, and fusion functions for optical cables.
- 内装层叠式熔接盘，开启方便，可以取下操作，便于线路安装及维护
Equipped with a stacked fusion tray inside, it is easy to open and can be removed for easy installation and maintenance of the circuit.

产品参数 Products Parameter

防护等级 Protection Grade	IP68
工作温度 Operating Temperature	-40°C~+60°C
存储温度 Storage Temperature	-40°C~+70°C
大气压力 Atmospheric Pressure	70kpa~106kpa
常温密封性 Room Temperature Sealing Performance	内部充气100kpa，24小时，气压不下降 The internal inflation pressure is 100kpa, and within 24 hours, the pressure does not decrease
温度循环 Temperature Cycling	光缆接头盒在高低温为-40°C~+65°C，内部气压60kpa±5kpa，进行20次温度循环后，外观和密封性良好 The optical cable splice closure has good appearance and sealing after 20 temperature cycles at high and low temperatures ranging from -40 °C to +65 °C, with an internal air pressure of 60kPa ± 5kpa
压扁 Crush Resistance	光缆接头盒能承受2000N/100mm的压力 The optical cable splice closure can withstand the pressure of 2000N/100mm
光缆拉伸 Tensile Performance	光缆接头盒能承受不小于800N的轴向拉力 The optical cable splice closure can withstand an axial tensile force of not less than 800N
光缆弯曲 Bending	光缆接头盒能承受弯曲张力为150N，弯曲角度为±45°的10个循环的弯曲 The optical cable splice closure can withstand 10 cycles of bending with a bending tension of 150N and a bending angle of ± 45°
寿命 Lifetime	光缆接头盒材料老化寿命20年以上 The aging life of the optical cable splice closure material is more than 20 years
产品标准 Standards	满足YD/T814.1-2013、YD/T814.2-2005等国内标准及ITU-T L.13-2003、UL94等国际标准 Meet domestic standards of YD/T814.1-2013、YD/T814.2-2005 and the International standards of ITU-T L.13-2003、UL94

预绞式耐张线夹 Pre Twisted Tension Clamp

产品简介 | Product Description

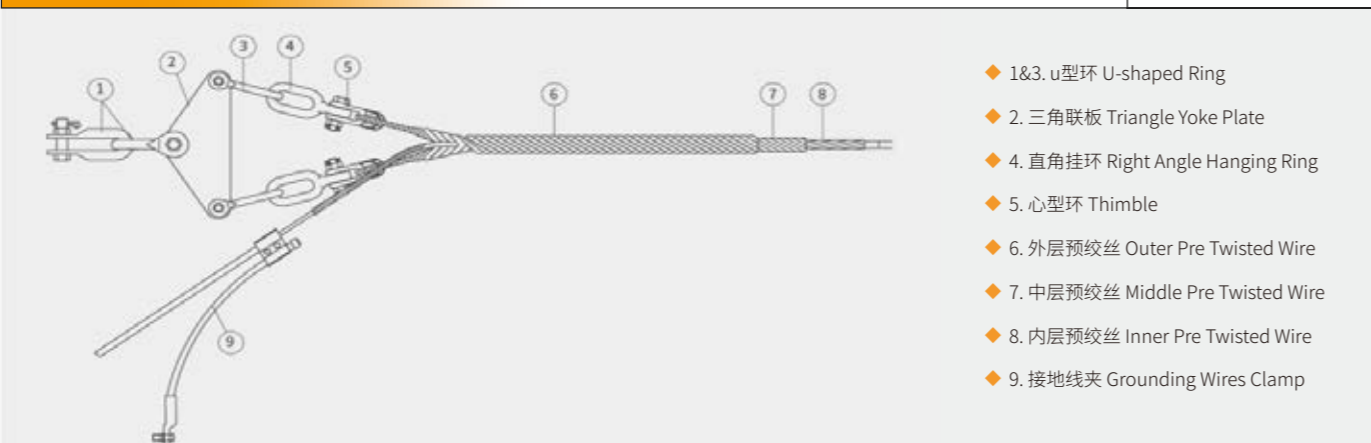
• 预绞式耐张线夹主要用于光缆在耐张杆塔、转角杆塔及终端杆塔的架设。线夹材料为铝包钢丝或镀锌钢丝，具有良好的机械和电气性能，以保证线夹具有较强的抗电化学腐蚀的能力和抗疲劳性；线夹握力不小于光缆额定抗拉强度的95%。
 预绞式耐张线夹安装简单、方便、快捷，无需任何专用工具，一人操作即可完成安装，可大大缩短施工时间，提高施工效率，降低施工成本；线夹的安装质量容易得到保证，现场用肉眼即可进行检验，不需要经过专业培训及专门的施工检验工具。整套预绞式耐张线夹包括：外层预绞丝、内层预绞丝、配套连接件、接地线等。

Pre twisted tension clamps are mainly used for the installation of optical cables on tension towers, corner towers, and terminal towers. The material of the wire clamp is aluminum clad steel wire or galvanized steel wire, which has good mechanical and electrical properties to ensure that the wire clamp has strong resistance to electrochemical corrosion and fatigue resistance; The gripping force of the cable clamp shall not be less than 95% of the rated tensile strength of the optical cable. The installation of pre twisted tension clamps is simple, convenient, and fast, without the need for any special tools. It can be completed by one person, greatly reducing construction time, improving construction efficiency, and reducing construction costs; The installation quality of wire clamps is easily guaranteed, and can be inspected on-site with the naked eye without the need for professional training or specialized construction inspection tools. The complete set of pre twisted tension clamps includes: outer pre twisted wire, inner pre twisted wire, matching connectors, grounding wires, etc.

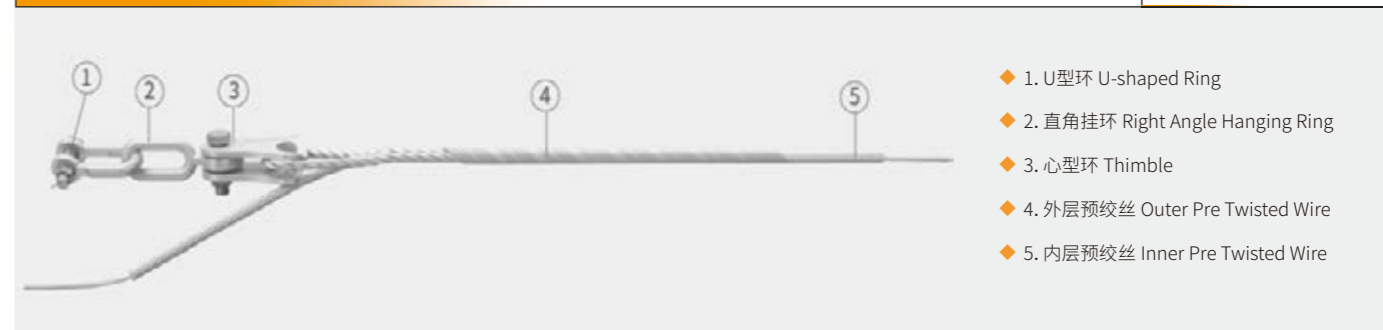
OPGW光缆用耐张线夹 | Tension clamp for OPGW optical cable



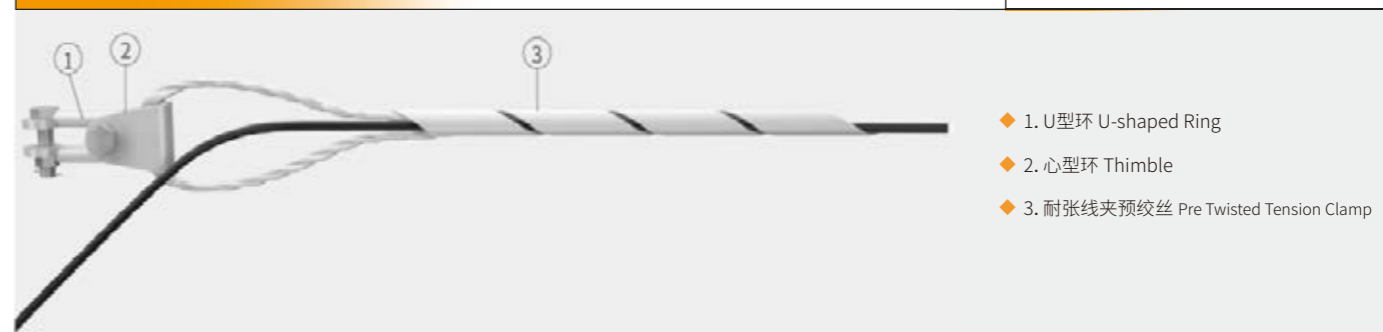
OPGW光缆用加强型双耐张线夹 | Reinforced double Tension clamp for OPGW optical cable



ADSS光缆用中/长跨距耐张线夹 | Medium/long span tension clamp for ADSS optical cable



ADSS光缆用小跨距耐张线夹 | Small span tension clamp for ADSS optical cable



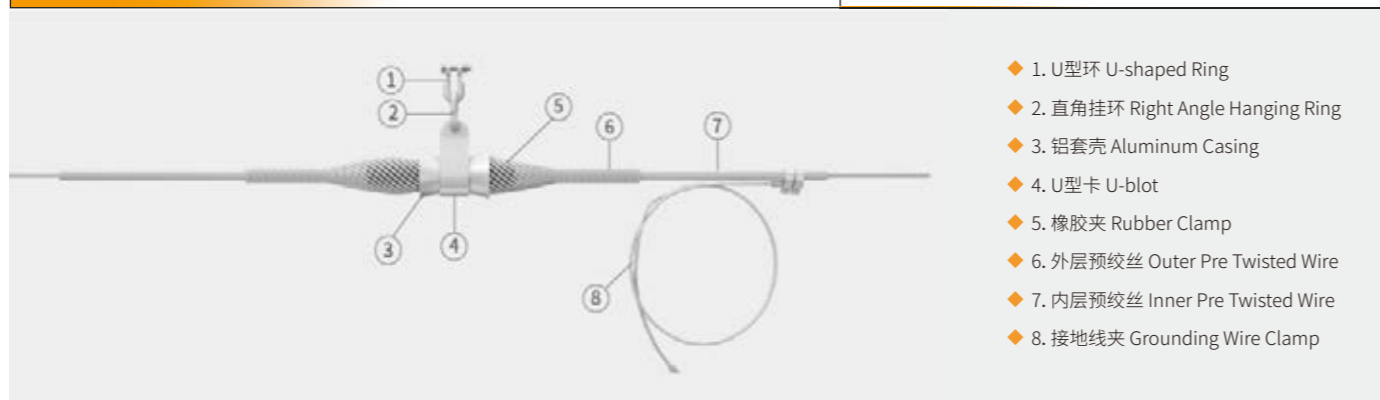
预绞式悬垂线夹 Pre twisted suspension clamp

产品简介 | Product Description

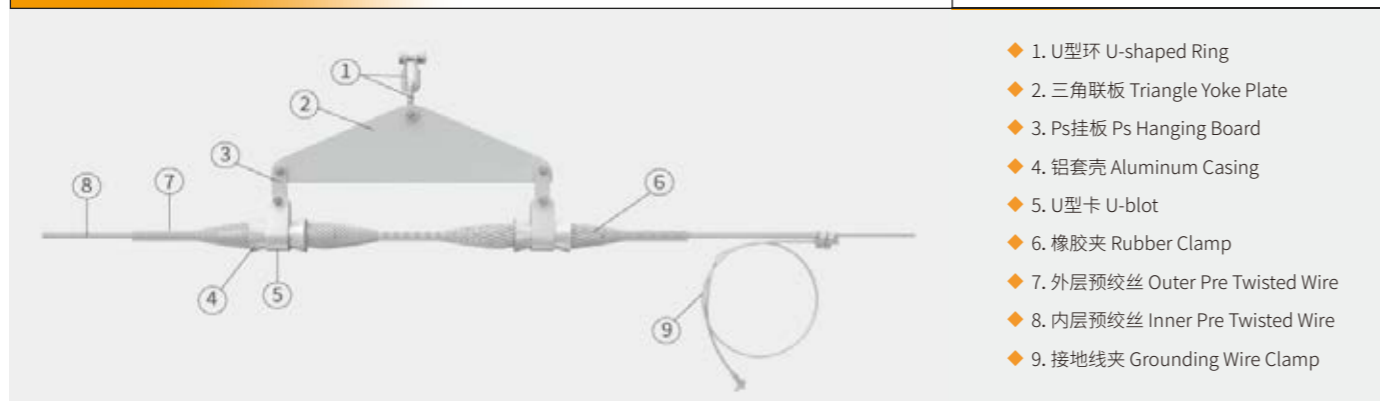
• 预绞式悬垂线夹用于光缆在直线杆塔上的悬挂和支撑。线夹用于传递轴向载荷，并分散径向压应力，对光缆起到良好的保护作用，避免光缆产生过小的弯曲半径和应力集中的异常情况发生。线夹握力大于光缆额定抗拉强度的15%-20%，具有优异的抗疲劳性，对电力光缆还可起到辅助减震的作用。

Pre twisted suspension clamps are used for hanging and supporting optical cables on straight towers. Wire clamps are used to transmit axial loads and disperse radial compressive stress, providing good protection for optical cables and avoiding abnormal situations such as small bending radius and stress concentration. The grip strength of the cable clamp is greater than 15% -20% of the rated tensile strength of the optical cable, and it has excellent fatigue resistance. It can also play an auxiliary role in shock absorption for power optical cables.

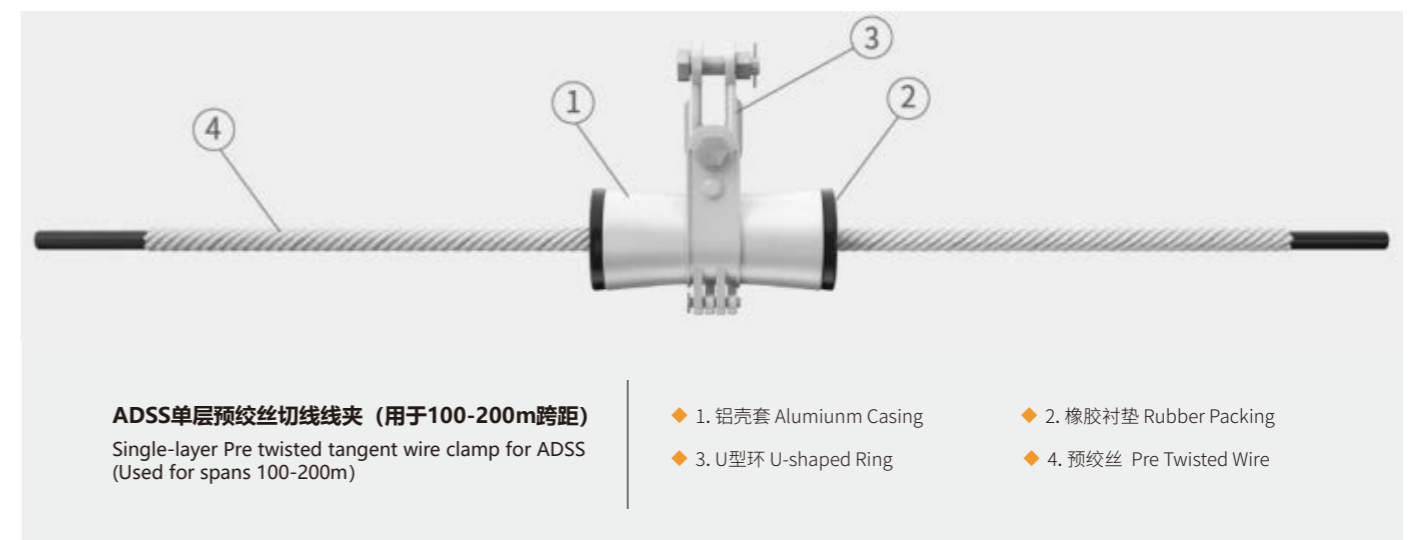
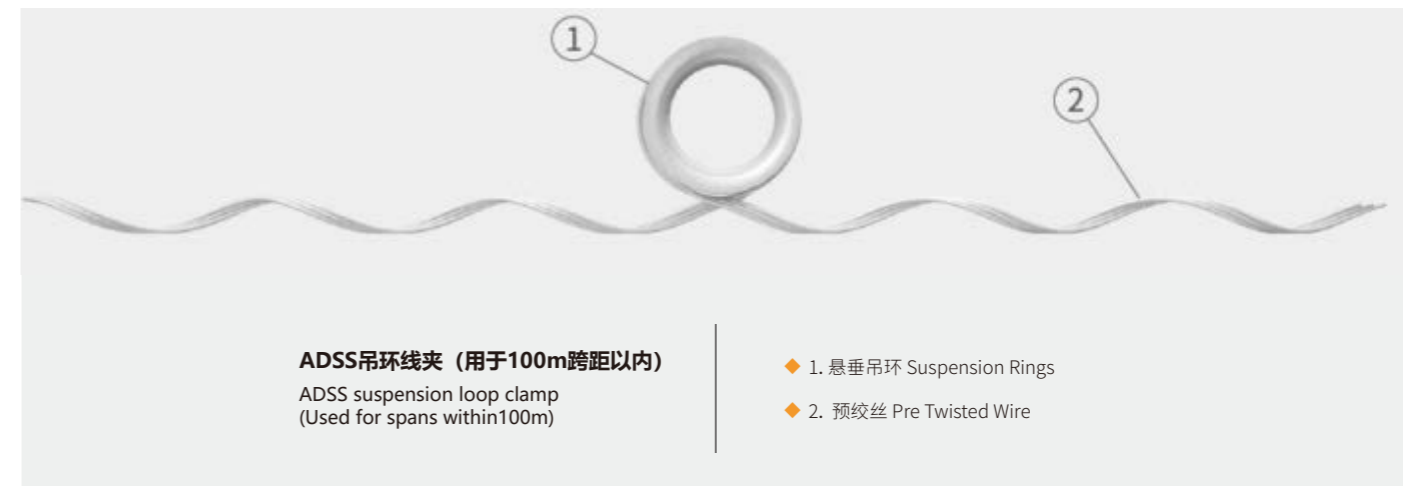
OPGW光缆用悬垂线夹 | Suspension clamp for OPGW optical cable



OPGW光缆用双悬垂线夹 | Double Suspension clamp for OPGW optical cable



ADSS光缆用小跨距悬垂线夹和单层预绞丝悬垂线夹 | Medium/long span tension clamp for ADSS optical cable



ADSS光缆用单悬垂线夹 Single suspension clamp for ADSS optical cable

产品简介 | Product Description

◆ ADSS光缆用悬垂线夹若采用双层预绞丝设计，一般用于200m以上跨距的悬挂。ADSS光缆悬垂线夹主要由铝合金预绞丝、悬挂头及连接件组成。

If the suspension clamp for ADSS optical cable adopts a double-layer pre twisted wire design, it is generally used for suspension with a span of more than 200m. The ADSS optical cable suspension clamp mainly consists of aluminum alloy pre twisted wire, suspension head, and connectors.

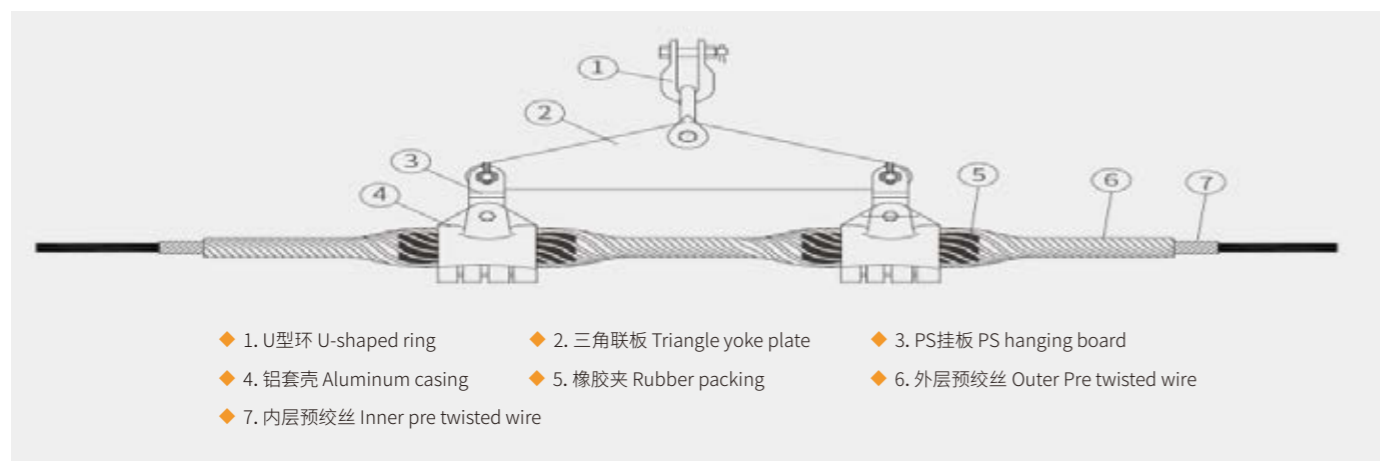


ADSS光缆用双悬垂线夹 Double suspension clamp for ADSS optical cable

产品简介 | Product About

◆ ADSS光缆用双悬垂线夹主要用于光缆在高落差及跨距大于800米或者线路角度大于30°时的直线塔的悬垂或支撑。

The double suspension clamp for ADSS optical cables is mainly used for the suspension or support of straight towers when the height difference and span are greater than 800 meters or the line angle is greater than 30°.



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Our product sales have covered the whole country and are exported to the United States, United Kingdom, Italy, Mexico, Denmark, South Korea, Russia, Singapore, South Africa, Brazil, Venezuela, Egypt, United Arab Emirates



工程案例 Engineering Projects

竣工项目类 Completed Project



综合布线类 Integrated Cabling

- * 龙岗公安分局办公大楼 Longgang Public Security Bureau
- * 深圳华南城智能布线项目 Shenzhen South China City
- * 上海迪士尼 Shanghai Disneyland
- * 河北仁德口腔医院布线工程 Hebei Rende Dental Hospital
- * 河源市东源县人民医院系统集成工程 Dongyuan People's Hospital, Heyuan City

运营商项目类 Operator Project

- * 柳州广电2015年网络产品光纤材料集中采购 Liuzhou Radio and Television
- * 中国移动河北分公司2017-2018年集采 China Mobile Hebei Branch
- * 菲律宾国家电信 Philippine National Telecommunications
- * 泰国电信国营运营商TOT布线 Thai Telecom TOT
- * 马来西亚移动WLAN项目基站综合布线 Malaysia Mobile WLAN