



广州市佳鑫通信光缆有限公司

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广州市佳鑫通信光缆有限公司

Guangzhou Jiaxin Communication Optical Cable Co., Ltd.

JiaXin – 中国通信光缆及线缆优秀品牌

JiaXin – Excellent Brand of Communication Cable and Low Voltage Cable in China



匠心制造

INGENUITY MANUFACTURING

卓越品质

EXCELLENT QUALITY



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COMPANY PROFILE

企业简介

JiaXin- 中国通信光缆及线缆优秀品牌

广州市佳鑫通信光缆有限公司，位于美丽的广州增城，占地 16,600 平方米。是一家专注于光缆、线缆以及通信设备的研发、生产、销售和服务为一体的高新技术企业。

公司致力于通信光缆和线缆产品的研发及应用。光缆产品类（室内外光缆，ADSS 光缆，OPGW 光缆，矿用缆，FTTH 蝶形光缆，跳线尾纤等），光电复合缆，线缆产品类（5 类网线，6 类网线，RVV，RVVP，RVS 等），以及相关的连接器和配件。广泛应用于电信运营商、安防系统、数据中心、企业网络和其他通信基础设施领域。

公司拥有先进的产品性能实验室和材料实验中心，我们对每一个产品进行严格的质量检测和控制，这一重要举措进一步展示了我们对产品质量和创新的不懈追求。产品均严格执行国家标准，获得了 ISO 认证。

我们注重研发创新，在技术上不断追求进步，以满足客户不断变化的需求。公司积极引进国外先进的生产设备和检验设备（光纤着色设备，二次套塑设备，OPGW 单元管生产设备，高速编织机，退扭对绞机，以及精密光纤光缆检测仪），并吸收国内外先进的工艺技术，以确保产品的高质量和可靠性。为进一步保障产品质量，公司建立了严格的管理制度，对每一步生产工续都层层把关。

十几年来不断的创新和发展让佳鑫获得了很多荣誉，比如“高新技术企业”、“瞪羚企业”、“专精特新企业”、“广东省优秀管理创新企业”、“AAA 信用单位”、“守合同重信用单位”等。产品销往国内 32 个省和市，以及出口非洲、东南亚、俄罗斯、欧洲、中东、南美等 23 个国家和地区。

看亿川之天下，思江海之博大，佳鑫将继续以诚信为本的经营理念，用产品、信誉、服务为全球光纤通信事业发展贡献力量。期待我们共同开创辉煌的未来！



JiaXin - Excellent Brand of Communication Optical Cables and Cables in China

Guangzhou Jiaxin Communication Optical Cable Co., Ltd. is located in the beautiful area of Zengcheng, Guangzhou, covering an area of 16,600 square meters. It is a high-tech enterprise specializing in the research, production, sales and service of optical cables, cables and communication equipment.

The company is dedicated to the research and development as well as application of communication optical cables and cables. The optical cable product category (indoor and outdoor optical cables, ADSS optical cables, OPGW optical cables, mine cables, FTTH butterfly optical cables, jumper tail fibers, etc.), optical and electrical composite cables, cable product category (5-category network cables, 6-category network cables, RVV, RVVP, RVS, etc.), as well as related connectors and accessories. They are widely used in telecommunications operators, security systems, data centers, enterprise networks and other communication infrastructure fields.

The company has an advanced product performance laboratory and a materials experimentation center. We conduct strict quality inspections and control for every product. This important measure further demonstrates our unwavering pursuit of product quality and innovation. All products strictly comply with national standards and have obtained ISO certification.

We place great emphasis on research and development, constantly striving for technological progress to meet the constantly changing needs of our customers. The company actively introduces advanced foreign production equipment and inspection equipment (fiber optic coloring equipment, secondary extrusion equipment, OPGW unit tube production equipment, high-speed knitting machines, unwinding and twisting twisting machines, as well as precision fiber optic and cable testing instruments), and absorbs advanced process technologies from both domestic and international sources to ensure the high quality and reliability of our products. To further guarantee product quality, the company has established strict management systems, conducting strict checks at each step of the production process..

Over the past decade, continuous innovation and development have earned Jiaxin many honors, such as "High-tech Enterprise", "Giraffe Enterprise", "Specialized and Innovative Enterprise", "Excellent Management Innovation Enterprise in Guangdong Province", "AAA Credit Unit", "Contract-abiding and Creditworthy Unit", etc. The products are sold to 32 provinces and cities in China, as well as Looking at the vast territory of Yichuan, and thinking of the boundless expanse of the Yangtze and the Yellow Seas, Jiaxin will continue to adhere to its business philosophy of "based on integrity", and contribute to the development of global optical fiber communication through its products, reputation and services. We look forward to jointly creating a brilliant future!

EBOCOM CULTURE 佳鑫文化

经营理念 / Business Philosophy

科技创新 诚信为本

Technological Innovation, Integrity as the Foundation.

核心价值 / Core Values

诚实守信 服务至上

Honesty and Trustworthiness, Excellent Service

企业精神 / Corporate Spirit

高效 创新 务实

Efficiency, Innovation, Pragmatism

发展战略 / Development Strategy

求新 求变 求快

Pursue Innovation, Embrace Change, Strive for Speed



注重质量

FOCUS ON QUALITY

JiaXin 始终致力于可靠质量的发展，全体员工严格遵循质量第一的原则，努力提供符合甚至超越客户需求的最优质的产品及服务。Ebocom 一直运用先进的管理方式，确保整个服务过程灵活并有效。

JiaXin has always been committed to the development of reliable quality. All employees strictly follow the principle of quality first and strive to provide the highest quality products and services that meet or even exceed customer needs. Ebocom has always used advanced management methods to ensure that the entire service process is flexible and effective.

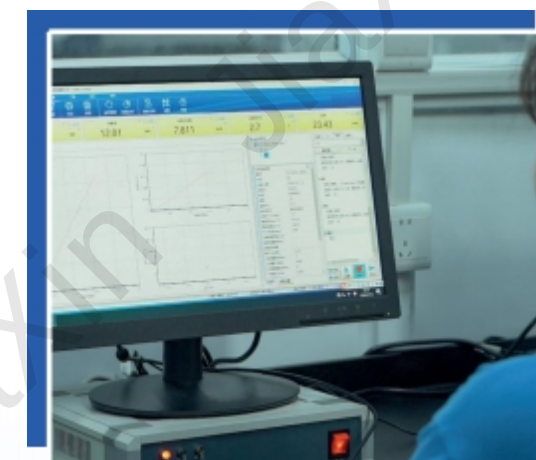


质量、环境和安全管理体系

ISO 9001、ISO 14001 and ISO 45001

JiaXin 已经建立了一整套的经过认证的质量、环境和安全保障系统，设计、生产并供应我们全套的光纤、光缆及光纤通信系统产品。整个产品服务过程严格遵循 ISO 9001、ISO 14001 和 ISO 45001 国际质量、环境和安全管理体系。

JiaXin has established a complete set of certified quality, environmental and safety assurance systems to design, produce and supply our full range of optical fiber, optical cable and optical fiber communication system products. The entire product service process strictly follows the ISO 9001, ISO 14001 and ISO 45001 international quality, environment and safety management systems.



LABORATORY

实验室

产品性能和材料实验中心

JiaXin 公司新成立了先进的产品性能和材料实验中心，彰显了我们产品质量和创新的不懈追求。实验中心由经验丰富的研发团队管理，团队具备深厚的理论知识和丰富的实操经验。我们对每批产品进行严格的质量检测和控制，确保符合国际标准和客户要求。

先进的检测设备

我们的实验中心配备了最新的检测设备，包括：

- 光纤多参数测试系统：确保高效可靠的光纤传输。
- 机械性能测试仪：评估光缆的抗拉、抗压和抗弯性能。
- 材料分析仪：保证材料的纯度和一致性。

严格的质量控制

我们对每批产品进行严格的质量检测，确保符合国际标准和客户要求，包括：

- 全方位性能测试：涵盖光纤的衰减、带宽和抗拉强度等。
- 材料一致性检测：确保每批光缆材料质量稳定。
- 持续改进和优化：根据检测结果改进生产工艺和材料配方。

实验中心的成立，不仅提升了我们产品的质量和性能，也增强了客户对我们的信任。我们承诺，将持续投入资源，不断优化检测设备和流程，致力于为客户提供最优质的光纤通信光缆产品。



Product Performance and Material Test Center

JiaXin has established a new advanced product performance and material test center, which reflects our pursuit of product quality and innovation. It is managed by an experienced R&D team with rich theoretical knowledge and practical experience. We conduct strict quality inspection and control on each batch of products to ensure compliance with international standards and customer requirements.

Advanced Testing Equipment

Our test center is equipped with the latest testing equipment, including:

- Optical fiber multi-parameter test system: to ensure efficient and reliable fiber transmission.
- Mechanical performance tester: to evaluate the tensile, compressive and bending properties of optical cables.
- Material analyzer: to ensure the purity and consistency of materials.

Strict Quality Control

We conduct strict quality inspection on each batch of products to ensure compliance with international standards and customer requirements, including:

- All-round performance testing: covering attenuation, bandwidth and tensile strength of optical fibers.
- Material consistency testing: to ensure the stable quality of each batch of optical cable materials.
- Continuous improvement and optimization: to improve production processes and material formulations based on test results.

The establishment of the test center not only improves the quality and performance of our products, but also enhances the trust of our customers. We promise to continue to invest resources, continuously optimize testing equipment and processes, and strive to provide customers with the highest quality fiber optic communication cable products.



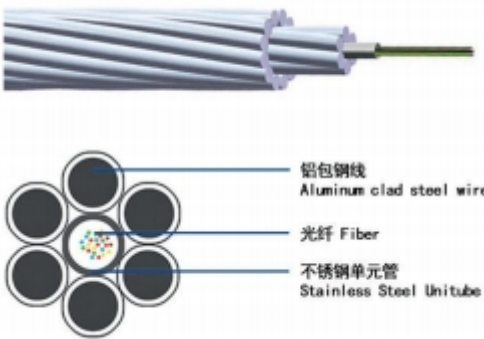


中心束管式光纤复合架空地线 OPGW

Optical Fiber Composite Overhead Ground Wire – Unitube OPGW

将光纤放置在不锈钢无缝管中，并填充吸氢纤膏。不锈钢单元管位于结构的中心，外层按照一定比例，绞合一定数量的铝包钢或者铝合金绞线。

The optical fiber is placed in a stainless steel seamless tube and filled with hydrogen absorbing compound. The stainless steel unitube is located in the center of the structure, and the outer layer is stranded with a certain number of aluminum-clad steel or aluminum alloy wires according to a certain proportion.



应用范围 Applications:

架空地线，主要在 500KV、220KV、110KV 电压等级线路上使用。

Aerial power line, mainly used on 500KV, 220KV, 110KV voltage grade lines.

产品特点 Characteristics:

1. 不锈钢单元管具有较高的机械强度，使用寿命长；
 2. 较高的抗拉伸及抗侧压能力，有效地控制光纤余长；
 3. 缆径小、重量轻，抗风荷载的能力强；
 4. 单元管中填充油膏，使得光纤在线路短路时可承受较高的热效应温度；
 5. 较高的耐张强度，不锈钢管热阻大，能承受较高的短路电流。
- Stainless steel unit tube has high mechanical strength and long service life;
 - High tensile resistance and lateral pressure resistance, effectively controlling the remaining length of the optical fiber;
 - The cable diameter is small, the weight is light, and the ability to resist wind loads is strong;
 - The unit tube is filled with grease so that the optical fiber can withstand higher thermal effect temperature when the line is short-circuited;
 - High tensile strength, stainless steel pipe has large thermal resistance and can withstand high short-circuit current.

层绞式光纤复合架空地线 OPGW

Optical Fiber Composite Overhead Ground Wire – Stranded OPGW

将光纤放置在不锈钢无缝管中，并填充吸氢纤膏。然后将含有光纤的单元管同铝包钢线绞合成缆芯，缆芯外再绞合一层或二层铝包钢线或铝合金线（铝线）。

The optical fiber is placed in a stainless steel seamless tube and filled with hydrogen absorbing compound. Then, the unit tube containing the optical fiber is stranded with the aluminum-clad steel wire to form a cable core, and one or two layers of aluminum-clad steel wire or aluminum alloy wire (aluminum wire) are stranded outside the cable core.



应用范围 Applications:

通常用于新建架空电力线路，能满足大芯数、高压送电线路要求，用于传导大的故障短路电流提供防雷击保护。

Usually used in new aerial power lines, it can meet the requirements of large-core, high-voltage power transmission lines, and is used to conduct large fault short-circuit currents and provide anti-lightning protection.

产品特点 Characteristics:

1. 精确设计的光缆截面，保证光缆的电气性能、机械物理特性和热稳定性；

2. 缆径较大，光纤较多；

3. 抗拉强度和短路电流容量较大；

4. 最佳的绞合设计，保证光纤余长；

5. 结构紧凑性好，降低了冰荷和风荷；

6. 兼具地线与通信光缆的双重功能，敷设方便。
- Precisely design the optical cable cross-section to ensure electrical performance, mechanical and physical properties and thermal stability;

– Larger cable diameter and more optical fibers;

– Larger tensile strength and short-circuit current capacity;

– Optimal stranding design to ensure the remaining fiber length;

– The structure is compact and reduces ice and wind loads;

– It has the dual functions of ground wire and communication optical cable, and is easy to lay.

常用规格技术参数 Technical Parameters of Common Model

型号 Model	光缆结构形式 Structure	最大芯数 Max fiber count	铝包钢截面 AS sectional area (mm2)	外径 Diameter (mm)	重量 Weight (kg/km)	额定拉断力 RTS(kN)	20℃直流 电阻 DC resistance (Ω/km)	40-200℃允许短路 电流容量 Allowable short circuit current capacity (kA2.s)
OPGW-24B1-40 (51;9)	6/3.0/20AS, 光单元 1/3.0	24	≈ 40	9.0	≤ 304	≥ 51	≤ 2.10	≥ 9
OPGW-24B1-50 (58;11.5)	6/3.2/20AS, 光单元 1/3.2	24	≈ 50	9.6	≤ 345	≥ 58	≤ 1.82	≥ 11.5
OPGW-48B1-70 (77;24)	6/3.8/20AS, 光单元 1/3.8	48	≈ 70	11.4	≤ 475	≥ 77	≤ 1.30	≥ 24
OPGW-48B1-70 (42;38)	6/3.8/40AS, 光单元 1/3.8	48	≈ 70	11.4	≤ 340	≥ 42	≤ 0.70	≥ 38
OPGW-48B1-90 (112;45)	1/2.6/20AS + 4/2.5/20AS + 11/2.8/20AS, 光单元 2/2.5	48	≈ 90	13.2	≤ 641	≥ 112	≤ 0.98	≥ 45
OPGW-48B1-90 (57;67)	1/2.6/40AS + 4/2.5/40AS + 11/2.8/40AS, 光单元 2/2.5	48	≈ 90	13.2	≤ 457	≥ 57	≤ 0.52	≥ 67
OPGW-24B1-100 (118;50)	1/2.6/20AS + 5/2.5/20AS + 11/2.8/20AS, 光单元 1/2.5	24	≈ 100	13.2	≤ 674	≥ 118	≤ 0.93	≥ 50
OPGW-24B1-100 (60;74)	1/2.6/40AS + 5/2.5/40AS + 11/2.8/40AS, 光单元 1/2.5	24	≈ 100	13.2	≤ 479	≥ 60	≤ 0.49	≥ 74
OPGW-24B1-110 (133;63)	1/2.6/20AS + 5/2.5/20AS + 10/3.2/20AS, 光单元 1/2.5	24	≈ 110	14	≤ 760	≥ 133	≤ 0.83	≥ 63
OPGW-24B1-110 (140;68)	1/2.8/20AS + 5/2.7/20AS + 11/3.05/20AS, 光单元 1/2.6	24	≈ 110	14.3	≤ 791	≥ 140	≤ 0.80	≥ 68
OPGW-36B1-120 (145;73)	1/3.0/20AS + 5/2.9/20AS + 12/2.9/20AS, 光单元 1/2.8	36	≈ 120	14.6	≤ 820	≥ 145	≤ 0.77	≥ 73
OPGW-36B1-120 (95;98)	1/3.0/30AS + 5/2.9/30AS + 12/2.9/30AS, 光单元 1/2.8	36	≈ 120	14.6	≤ 700	≥ 95	≤ 0.55	≥ 98
OPGW-72B1-150 (172;110)	1/3.4/20AS + 4/3.3/20AS + 12/3.3/20AS, 光单元 2/3.2	72	≈ 150	16.6	≤ 998	≥ 172	≤ 0.64	≥ 110
OPGW-72B1-150 (116;147)	1/3.4/30AS + 4/3.3/30AS + 12/3.3/30AS, 光单元 2/3.2	72	≈ 150	16.6	≤ 853	≥ 116	≤ 0.45	≥ 147

(备注： 以上参数仅供参考 Remark: The above parameters are for reference only)

双护套全介质自承式光缆 ADSS

Double Jacket All-Dielectric Self-Supporting Fiber Optic Cable

应用范围 Applications:

适用于架空高压输电系统，强电场，雷电多发地带和长途通信线路。
Power Line, dielectric needed or large span communication line.

产品特点 Characteristics:

1. 非金属结构绝缘性能好，安装、维护和抢修可带电作业；

2. 光缆芯数多，重量轻，减少冰雪和风的影响，减轻了杆塔等支撑物的负荷；

3. 采用抗拉强度高的芳纶纱材料能承受较强张力，既能满足架空电力线路的大跨距要求，又可防止鸟啄和枪击；

4. 热膨胀系数较小，在温度变化很大时，光缆的弧度变化很小；

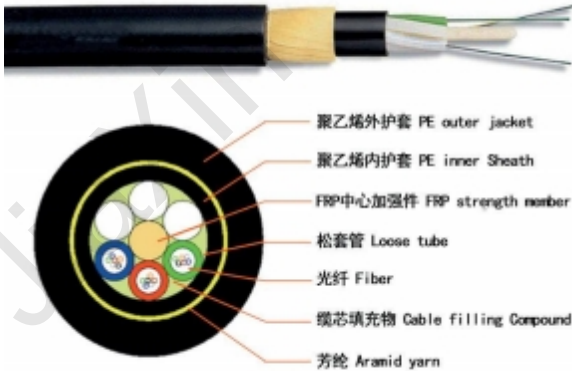
5. 双层护套，PE 或 AT。
- The non-metallic structure, good insulation performance, installation, maintenance and repair can be live work;

- Multi-core fibers and light weight, which reduces the effects of snow, ice and wind and the load of supports;

- The aramid yarn material with high tensile strength can withstand strong tension, meet the large span requirements of overhead power lines, and prevent bird pecks and artificial gunfire;

- Small thermal expansion coefficient, the arc of the optical cable changes very little when the temperature changes greatly;

- Double-layer sheathed, PE or AT.



技术参数 Technical Parameters:

Item	Unit	Parameter									
Fiber count	Core	2-36									
Span	m	100	200	300	400	500	600	700	800	900	1000
Diameter	mm	11.9	12.2	12.4	12.7	12.9	13.1	14.0	14.2	14.6	14.9
Weight	kg/kn	111	117	124	131	135	142	162	168	180	189
Modulus	kN/mm	10.3	12.2	15.0	17.6	19.1	21.3	24.0	25.4	28.4	30.5
RTS	kN	11.20	16.25	22.50	28.75	32.50	38.75	51.25	56.25	67.50	76.25
MAT	kN	4.5	6.5	8.9	114	12.9	15.4	20.4	2.24	26.8	30.3
Bending radius	mm	25D(Dynamic)/15D(Static)									
Crush	N/100mm	1100(Long term)/2200(Short term)									
Temperature range	℃	-40+70									

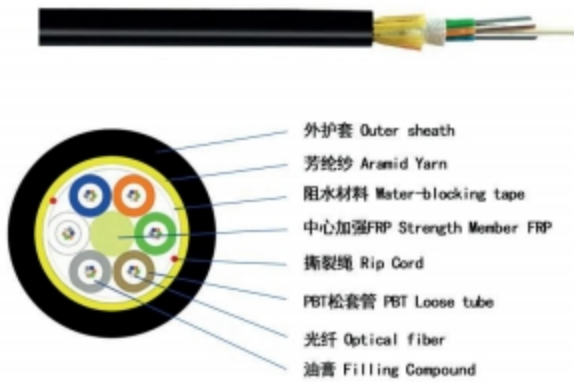
(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

单护套全介质自承式光缆 ADSS

Single Jacket All-Dielectric Self-Supporting Fiber Optic Cable

将光纤放置在 PBT 松套管中，松套管内填充特种防水化合物。松套管和填充绳围绕非金属中心加强芯（FRP）绞合成紧凑的缆芯。缆芯外加一层隔水带，然后放置芳纶纱作为加强材料，再挤出 PE 或 AT 护套成缆。

The optical fibers with special waterproof compound are placed in PBT loose tube, Loose tubes and fillers are stranded around a non-metallic central strength member (FRP) into a round compact cable core. A layer of water-proof tape is added around the cable core, and aramid yarn is placed as a reinforcing material, and then a PE or AT sheath is extruded to form a cable.



应用范围 Applications:

适用于架空高压输电系统，强电场，雷电多发地带和长途通信线路。
Power Line, dielectric needed or large span communication line.

产品特点 Characteristics:

1. 非金属结构绝缘性能好，安装、维护和抢修可带电作业，节约资源；

2. 光缆芯数大，重量轻，减少冰雪和风对光缆的影响，减轻了杆塔等支撑物的负荷；

3. 采用抗拉强度高的芳纶纱材料能承受较强张力，能满足架空电力线路的大跨距要求；

4. 热膨胀系数较小，在温度变化很大时，光缆的弧度变化很小；

5. PE 外护套具有很好的抗紫外辐射性能。
- The non-metallic structure, good insulation performance, installation, maintenance and repair can be live work;

- Multi-core fibers and light weight, which reduces the effects of snow, ice and wind and the load of supports;

- The aramid yarn material with high tensile strength can withstand strong tension, meet the large span requirements of overhead power lines;

- Small thermal expansion coefficient, the arc of the optical cable changes very little when the temperature changes greatly;

- PE outer sheath has good Anti-UV performance.

光电复合缆 (OPLC/GDTA/GDTS)

Optic – Electric Composite Fiber Optic Cable

应用范围 Applications:

电信网建设 / 乡村城镇偏远地区通信基站建设 / 城市住宅社区及楼宇的光纤入户 / 安防监控项目
Telecom network construction/communication base station construction in rural remote areas
fiber-to-home installation in urban residential communities and buildings/security monitoring projects

产品特点 Characteristics:

1. 实现了终端供电和信息传输的双重功能；
2. 光缆和电力线于一体，避免二次布线，降低工程费用；
3. 适用于多种业务类型，扩展性强，产品适应面广；
4. 具有良好的弯曲和耐侧压性能；
5. 电缆与光缆部分保持相对独立的结构，便于安装的引入、引出和连接
- Realizes the dual functions of terminal power supply and information transmission;
– Optical cables and power lines are integrated to avoid secondary wiring and reduce project costs;
– Suitable for a variety of business types, with strong scalability and wide product adaptability;
– Good bending and side pressure resistance;
– The wire cable and optical cable parts maintain relatively independent structures to facilitate the introduction, extraction and connection of installation.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
		长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
6-24	10	1500	600	1000	300	20D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

光电复合缆 GDTA/GDTS

Optic – Power Composite Fiber Optic Cable

应用范围 Applications:

室外架空，管道敷设
Aerial/Duct laying
长途通信和局间通信
LAN and Long distance communication

产品特点 Characteristics:

1. 涂塑皱纹铝带（钢带），提供强力的拉伸力和压扁力
2. 管内填充特种油膏，保护光纤
3. 单根金属钢丝中心加强芯
4. PE 外皮具有很好的防紫外线辐射性能
5. 外径细，重量轻，光缆部分与电缆部分保持相对独立便于安装
- Corrugated aluminum(steel)tape offers high tension and crush resistance
– Special gel in the tube offers protection for the fibers
– With steel wire central strength member
– Anti-UV PE jacket
– Small diameter, light weight, fiber optic cable part and cable part are kept relatively independent, convenient for installation.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	导体截面积 Conductor cross-section (mm ²)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
GDTA-24B1+2*1.5mm ²	12.7	2*1.5	600	1500	300	1000	25D	12.5D
GDTA-24B1+2*2.5mm ²	13.6	2*2.5	600	1500	300	1000	25D	12.5D
GDTA-24B1+2*4mm ²	14.9	2*4	600	1500	300	1000	25D	12.5D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

中心束管式光缆 (GYXTW)

GYXTW Central Loose Tube Outdoor Fiber Optic Cable

应用范围 Applications:

室外架空，管道敷设 Outdoor Aerial and Duct laying
传输设备，数据处理设备连接 Connecting communication equipment
长途通信 / 局间通信 Long distance communication and LAN



产品特点 Characteristics:

1. 适用于架空、管道安装
 2. 中心束管式设计，管内填充以特种油膏，更好的保护光纤；
 3. 直径小、重量轻、容易敷设；
 4. 双面涂塑钢带（PSP）提高光缆的防潮能力；
 5. 两根平行钢丝保证光缆的抗拉强度；
 6. PE 外护套具有很好的抗腐蚀和紫外线辐射。
- Suitable for aerial and duct installation;
 - Central loose tube structure, special gel in the tube to better protect the optical fiber;
 - Small diameter, light weight, easy to lay;
 - Double-sided coated plastic steel strip(PSP) increases the moisture resistance of the cable;
 - Two parallel steel wires ensure the tensile strength of the optical cable;
 - The PE outer sheath has good resistance to corrosion and ultraviolet radiation.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2-12	8	70	600	1500	300	1000	20D	10D
14-24	9	72	600	1500	300	1000	20D	10D

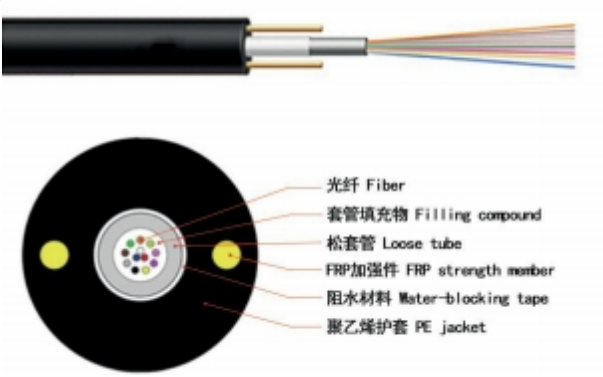
(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

中心管式非金属光缆 (GYFXTY)

Central Loose Tube Non-metallic Fiber Optic Cable

光纤放置在 PBT 材质的松套管中，管内填充有防水填充化合物，管内填充阻水化合物，然后两侧放置两根平行 FRP 加强件后挤制 PE 护套成缆。

Fibers are placed in PBT loose tube, the tube is filled with a water-blocking compound. Then two parallel FRP reinforcements are placed on both sides and a PE sheath is extruded to form a cable.



应用范围 Applications:

适用于管道和架空敷设 Suitable for duct and aerial laying
用于局间通信、建筑物互连、配电和骨干线路 For LAN communication, building wiring, distribution and Backbone

产品特点 Characteristics:

1. 良好的机械性能和温度性能；
 2. 两根平行 FRP 保证抗拉强度；
 3. 直径小、重量轻、安装方便；
 4. 非金属结构，避免射频干扰和电磁干扰，更适合雷区分布；
 5. PE 护套保护电缆免受紫外线辐射
- Good mechanical and temperature properties;
 - Two parallel FRP rods ensure tensile strength;
 - Small diameter, light weight, easy to install;
 - Non-metallic structure, more suitable for minefield distribution;
 - PE sheath protects cables from UV radiation.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2-12	6-8	60	1500	600	1000	300	20D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

松套层绞式光缆 (GYTA/GYTS)

Stranded Loose Tube Fiber Optic Cable

应用范围 Applications:

室外架空，管道敷设 Outdoor Aerial and Duct laying
数据中心大芯数布线 Multi-cores wiring system in data center
长途通信、局间通信 Long distance communication and LAN

产品特点 Characteristics:

1. 层绞结构设计保证光缆具有很好的机械和温度特性；
2. 套管内部填充缓冲油膏，既保护光纤又起到防水作用；
3. 中心的高强度钢丝承担轴向负载；
4. 钢带纵包，具有很好抗侧压性能；
5. PE 外护套具有很好的抗紫外辐射性能。
- Excellent mechanical and temperature performance;
- Special tube filling compound ensure a critical protection of fibre and resist the water;
- Single steel wire as the central strength member to withstand axial loads;
- Corrugated steel tape longitudinal cover cable core and provide good crush resistance;
- PE outer sheath has good Anti-UV performance.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2-30	9.0	82	600	1500	300	1000	20D	10D
32-36	9.1	96	600	1500	300	1000	20D	10D
38-60	9.5	100	600	1500	300	1000	20D	10D
62-72	10.3	125	600	1500	300	1000	20D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

松套管层绞式铠装光缆 (GYTA53/GYTS53)

Loose Tube Stranded Armored Fiber Optic Cable

应用范围 Applications:

适用于直埋敷设 Direct burial laying
长途和局间通信 Long distance, LAN communication

产品特点 Characteristics:

1. 涂塑皱纹钢带 + 涂塑皱纹铝带 / 钢带双铠装，双层护套，提供强力的拉伸力和压扁力；
2. 管内填充特种油膏，保护光纤；
3. 单根钢丝中心加强芯；
4. PE 外护套具有很好的防紫外线辐射性能；
5. 材料具有高低温稳定特性，耐高低温循环温差变化，使用寿命更长，不易老化。
- Plastic coated corrugated steel tape + Plastic coated corrugated aluminum/steel tape double armoring, double sheathing, providing strong tensile and crush force;
- Special gel in the tube offers protection for the fibers;
- Steel wire as central strength member;
- PE outer sheath has good Anti-UV performance;
- Resistant to high and low temperature cycle temperature changes, resulting in anti-aging and longer life-span.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
24	14.0	210	1000	3000	1000	3000	25D	12.5D
36	14.0	210	1000	3000	1000	3000	25D	12.5D
42	14.0	210	1000	3000	1000	3000	25D	12.5D
48	15.5	245	1000	3000	1000	3000	25D	12.5D
144	16.5	280	1000	3000	1000	3000	25D	12.5D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

松套管层绞式自承 8 字型光缆 (GYTC8A/GYTC8S)

Loose Tube Stranded Figure 8 Self-Supporting Fiber Optic Cable



应用范围 Applications:

室外架空 Outdoor Aerial Laying 长途通信，局间通信 Long distance, LAN communication

产品特点 Characteristics:

- 1. 优良设计以保证良好的机械和温度特性；
 - 2. 截面 8 字型，吊线支撑自承式，保证光缆具有足够的拉力；
 - 3. 松套管层绞结构，管内填充特殊油膏，既保护光纤又起到防水作用；
 - 4. PE 外护套具有很好的抗紫外辐射性能。
- Excellent mechanical and temperature performance;
 - Self supporting figure 8 structure with steel supporting wire, provides high tensile strength;
 - Special tube filling compound ensure a critical protection of fibre and resist the water;
 - PE outer sheath has good Anti-UV performance.

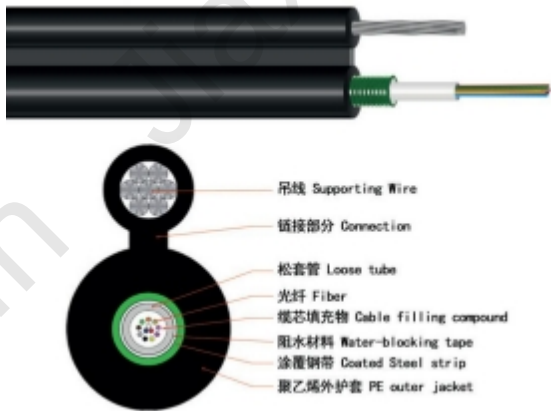
技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2-12	8.5	145	2500	5000	1000	3000	20D	10D
14-24	8.5	165	2500	5000	1000	3000	20D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

中心束管式自承 8 字型光缆 (GYXTC8A/GYXTC8S)

Central Loose Tube Figure 8 Self-Supporting Fiber Optic Cable



应用范围 Applications:

室外架空 Outdoor Aerial Laying 长途通信，局间通信 Long distance, LAN communication

产品特点 Characteristics:

- 1. 优良设计以保证良好的机械和温度特性；
 - 2. 截面 8 字型，吊线支撑自承式，保证光缆具有足够的拉力；
 - 3. 松套管层绞结构，管内填充特殊油膏，既保护光纤又起到防水作用；
 - 4. PE 外护套具有很好的抗紫外辐射性能。
- Excellent mechanical and temperature performance;
 - Self supporting figure 8 structure with steel supporting wire, provides high tensile strength;
 - Special tube filling compound ensure a critical protection of fibre and resist the water;
 - PE outer sheath has good Anti-UV performance.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	光缆重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2-12	8.0	135	600	1500	600	1500	10D	20D
14-24	8.0	145	600	1500	600	1500	10D	20D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

松套层绞式钢丝铠装光缆 (GYTA33/GYFTA33)
Loose Tube Steel Wire Armored Fiber Optic Cable

应用范围 Applications:

直埋，管道，水下
Direct buried, Duct, Underwater
通讯行业长途，水岸，防鼠
River and lake crossing, coastal, rodent protection

产品特点 Characteristics:

1. 全截面阻水结构，确保良好的阻水防潮性能；

2. 细圆钢丝铠装使光缆具有更强的抗拉和抗侧压性能；

3. 细圆高强度钢丝铠装，具有低线胀系数，提供更优良的高低温性能；

4. 低损耗、独特的余长控制保证光缆在复杂环境中的使用；

5. 材质优良，使用寿命长。
- Full section water blocking structure, to ensure good water and moisture resistance;

– Steel wire armor gives the optical cable stronger tensile and lateral pressure resistance;

– Steel wire armor has low linear expansion coefficient and provides better high and low temperature performance;

– Low loss and unique excess length control ensure the use of optical cables in complex environments;

– Excellent material and long service life.



技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2~30	15.0	424	10000	4000	5000	3000	25D	12.5D
32~60	16.3	483	10000	4000	5000	3000	25D	12.5D
62~72	17.5	558	10000	4000	5000	3000	25D	12.5D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

松套层绞式非金属（阻燃）光缆 (GYFTY/ GYFTZY)
Loose Tube Stranded Non-metallic (Flame-retardant) Fiber Optic Cable

应用范围 Applications:

管道、非自承架空 Duct, Non self-supporting aerial
数据中心大芯数布线 Multi-cores wiring system in data center
传输设备，数据处理设备连接 Connecting communication equipment
通讯行业长途和局间通信 Long distance, LAN communication

产品特点 Characteristics:

1. 松套管内充以特种油膏，对光纤进行了关键性保护；

2. 缆芯阻水填充物可有效防水；

3. 高强度玻璃纤维或芳纶纤维周边加强，提供足够拉力；

4. 外护套具有很好的抗紫外辐射性能；

5. 材料具有高低温稳定特性，耐高低温循环温差变化，使用寿命更长，不易老化。
- Special tube filling compound ensure a critical protection of fiber;

– The water-blocking filler in the cable core can effectively waterproof;

– Glass yarn or Aramid Yarn strength member provides high tensile strength;

– Outer PE sheath protects cable from ultraviolet(UV) radiation;

– The material has the characteristics of high and low temperature stability, resistance to high and low temperature cycle temperature difference, longer service life, not easy to aging.



技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2~36	9.5	80	1500	600	1000	300	20D	10D
38~72	10.5	100	1500	600	1000	300	20D	10D
74~96	12.5	140	1500	600	1000	300	20D	10D
98~120	14.5	180	1500	600	1000	300	20D	10D
122~144	16.5	220	1500	600	1000	300	20D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

松套层绞式非金属防鼠（阻燃）光缆 (GYFTY63/ GYFTZY63)

Loose Tube Stranded Non-metallic Rodent-resistant(Flame-retardant) Fiber Optic Cable

应用范围 Applications:

非自承式架空和管道 Non self-supporting aerial, duct laying
通信行业用长途和局间通信 Long distance, LAN communication for The telecommunications industry

产品特点 Characteristics:

1. 防鼠设计，有效防止啮齿动物损害；

2. 高强度 FRP 和玻璃纱，双层护套，能承受外部拉力和压扁力；

3. 聚乙烯护套材料，具有耐候性和抗腐蚀性；

4. 多芯设计，支持大容量数据传输；

5. 高带宽传输，适应未来网络需求。
- Good rodent protection;

– High-strength FRP and glass yarn, double-layer sheath, provides high tensile strength and crush force;

– PE sheath material, weather-resistant and corrosion-resistant;

– Multi-core design supports large-capacity data transmission;

– High-bandwidth transmission to adapt to future network needs.



技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
4	12.5	167	1000	3000	800	2000	25D	12.5D
12	12.5	167	1000	3000	800	2000	25D	12.5D
24	13.5	167	1000	3000	800	2000	25D	12.5D
48	13.5	187	1000	3000	800	2000	25D	12.5D
96	15	230	1000	3000	800	2000	25D	12.5D

(备注： 以上参数仅供参考 Remark: The above parameters are for reference only)

矿用阻燃通信光缆 (MGTSV/MGXTWV)

Flame-Retardant Communication Cable For Mining

应用范围 Applications:

矿用光缆用于煤矿、金矿、铁矿、隧道竖井、巷道、管道、架空和直埋安装、长途通信、局间通信。
Mining optical cables are used in coal mines, gold mines, iron mines, tunnel shafts, roadways, duct, aerial and directly buried installations, long-distance communications, and inter-office communications.

产品特点 Characteristics:

1. 采用蓝色阻燃护套，具有良好的阻燃性能；

2. 耐拉伸、耐磨、压碎、冲击、反复弯曲、扭曲，具有良好的机械性能；

3. 具有良好的温度循环稳定性、护套完整性、防渗滴、阻燃等环保性能；

4. 光纤剩余长度和光纤绞合节距的精确控制，保证了光缆优异的拉伸性能和温度特性。
- Using blue flame retardant sheath, with good flame retardant properties;

– Resistant to stretching, abrasion, crushing, impact, repeated bending, twisting, with good mechanical properties;

– Good environmental performance such as cycling stability, sheath integrity, anti-seepage drip, flame retardant;

– Precision control of fiber residual length and fiber stranding pitch ensures excellent tensile properties and temperature characteristics of fiber optic cable.



技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2~36	11	150	1500	600	1000	300	20D	10D
38~72	12	180	1500	600	1000	300	20D	10D
74~96	13.5	220	1500	600	1000	300	20D	10D
98~120	14.5	270	1500	600	1000	300	20D	10D
122~144	16	300	1500	600	1000	300	20D	10D

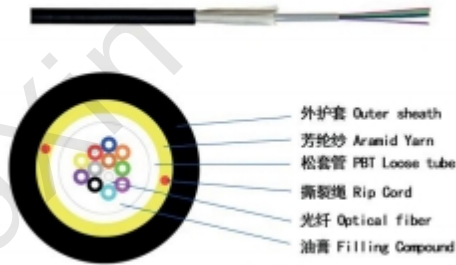
(备注： 以上参数仅供参考 Remark: The above parameters are for reference only)

气吹微型光缆

Air Blown Micro Cable

光纤被包裹在松套管中，周边均匀包裹高强度芳纶，最后加外护套。

The fibers are positioned in a loose tube, then wrapped some Aramid yarns as strength member. Finally is completed with an outer sheath.



应用范围 Applications:

- 室外管道、气吹敷设
- Duct, Air blowing laying
- FTTH 接入网用
- FTTH
- FTTX 局间通信用
- FTTX, LAN communication

产品特点 Characteristics:

1. 尺寸小，重量轻；
- Small outer diameter, light weight;
2. 全截面阻水结构，施工便捷；
- Water-blocking construction, convenient installation;
3. 机械性能良好；
- Excellent mechanical performance;
4. 温度特性稳定。
- Excellent temperature performance.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
2~6	2.5	4.7	800	200	15D	10D
8~12	2.5	4.9	800	250	15D	10D
24	3.0	7.7	800	250	15D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

松套管绞式气吹微缆

Loose Tube Stranded Air Blown Micro Cable

应用范围 Applications:

- 室外管道、气吹敷设
- FTTX 局间通信用
- Duct, Air blowing laying
- FTTX, LAN communication

产品特点 Characteristics:

1. 松套管绞设计，光纤余长控制精确，性能稳定
2. 半干式结构设计，环保，易于测试、熔接
3. 直径小，重量轻，低摩擦系数护套设计
4. 气吹速度快，距离长，施工高效
- Loose tube design, Accurate excess fiber length control to get stable cable performance
- Semi-dry cable core design, environment friendly, easy for test and splice
- Small outer diameter, light weight , low friction sheath material
- High speed, long distance air-blowing , efficient installation

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	光缆重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static
24	5.7	23	34.5	115	150	400	20D	10D
48	5.7	23	34.5	115	150	400	20D	10D
60	5.7	23	34.5	115	150	400	20D	10D
96	7.2	34	51	170	150	400	20D	10D
144	9.3	55	82	275	150	400	20D	10D
288	11.0	79	120	400	150	400	20D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

室外自承式入户蝶形皮线光缆 (GJYXCH/GJYXFCH)

Outdoor Self Supporting FTTH Drop Cable

应用范围 Applications:

- 室外架空，局间布线
- FTTH 光纤入户系统，用户终端
- 居民区分配系统中的接入楼宇布线
- Aerial, outdoor wiring system
- FTTH System, terminal system
- Access building wiring in residential area distribution systems

产品特点 Characteristics:

- 1. 蝶形横截面，LSZH 或 PVC 外护套保护；
- 2. 加强件为两根平行钢丝或 FRP，确保良好的抗压性，保护光纤；
- 3. 耐弯曲光纤，带宽大，增强网络传输特性；
- 4. 光纤易剥离，重量轻，体积小，方便接续安装和维护；
- 5. 单根钢丝吊线，增强抗拉性能。
- Butterfly cross section design, LSZH or PVC outer sheath protection;
- Two parallel steel wire or FRP reinforcements ensure good compression resistance and protect the fibers;
- Flex durable fiber to provide greater bandwidth and enhances network transmission characteristics;
- Light weight, small size, unique groove design, easy to peel and continue installation and maintenance;
- Single wire as messenger to enhance the tensile properties.



技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	光缆重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term	动态 Dynamic	静态 Static
GJYXCH/GJYXFCH 1~4 core	2*5	18	80	40	1000	500	40D	20D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

室内入户蝶形皮线光缆 (GJXH/GJXFH)

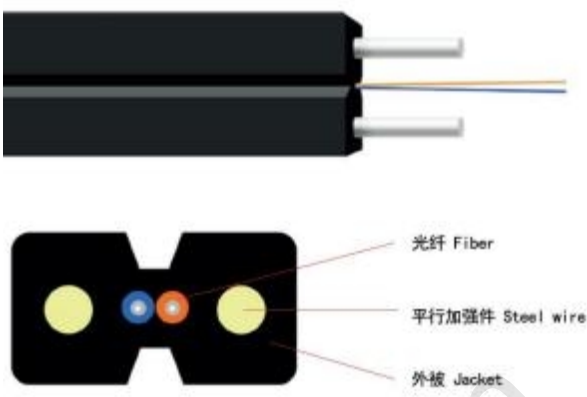
Indoor FTTH Drop Cable

应用范围 Applications:

- 室内局间布线
- FTTH 光纤入户系统，用户终端
- 居民区分配系统中的接入楼宇布线
- Indoor wiring system
- FTTH System, terminal system
- Access building wiring in residential area distribution systems

产品特点 Characteristics:

- 1. 蝶形横截面，LSZH 或 PVC 外护套保护；
- 2. 加强件为两根平行钢丝或 FRP，确保良好的抗压性，保护光纤；
- 3. 耐弯曲光纤，带宽大，增强网络传输特性；
- 4. 光纤易剥离，重量轻，体积小，独特的凹槽设计，方便接续安装和维护；
- Butterfly cross section design, LSZH or PVC outer sheath protection;
- Two parallel steel wire or FRP reinforcements ensure good compression resistance and protect the fibers;
- Flex durable fiber to provide greater bandwidth and enhances network transmission characteristics;
- Easy to peel, light weight, small size, unique groove design, easy to continue installation and maintenance;



技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	光缆重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term	动态 Dynamic	静态 Static
GJXH/GJXFH 1~4 core	2*3	9	120	600	2200	1000	40D	20D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

管道皮线光缆 (GJYXH03/GJYXFH03)
Duct Drop Cable



应用范围 Applications:

主要适用于建筑物管道引入光缆 Mainly used for building pipeline access drop cable FTTX 工程 FTTX

产品特点 Characteristics:

- 1. 特种耐弯曲光纤提供大的宽带和良好的通信传输特性;
 - 2. 凹槽设计, 易分离, 方便接续, 简化安装与维护;
 - 3. 光缆轻便, 柔韧性高, 具有足够的抗拉能力;
 - 4. 缆芯外纵包阻水带阻断各种渗水路径;
 - 5. 光纤置于两根加强件中间, 具有优异的抗侧压和抗拉性能;
 - 6. 具有室外光缆相近的机械性能, 实用性强。
- Bending-resistant optical fiber provides large bandwidth and good communication transmission characteristics;
 - Groove design, easy to separate and connect, simplifying installation and maintenance;
 - Optical cable is light, flexible and has sufficient tensile strength;
 - The cable core is wrapped with water-blocking tape longitudinally to block various water seepage paths;
 - The optical fiber is placed between two reinforcements and has excellent lateral pressure resistance and tensile resistance;
 - It has mechanical properties similar to those of outdoor optical cables and is highly practical.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	光缆重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term	动态 Dynamic	静态 Static
1~4	6.8	2.0*3.0	600	300	1000	300	20D	10D

(备注: 以上参数仅供参考 Remark: The above parameters are for reference only)

室内配线光缆 (GJFJV/GJFJH)
Indoor Multi-core Distribution Fiber Optic Cable

应用范围 Applications:

室内管道、线槽布线;
室内通信设备之间、设备与仪器之间、仪器之间的连接;
用于通信布线中跳线尾纤制作。
Indoor pipeline and trunking wiring
Connections between indoor communication equipments, equipment and instruments, and between instruments
Used in the production of patch cord and pigtails in communication wiring



产品特点 Characteristics:

- 1. 易于分支;
 - 2. 柔软性好、接续方便;
 - 3. 具有很好的机械性能和温度特性;
 - 4. 非金属加强元件具有很好的抗拉性能;
 - 5. 良好的阻燃性能, 不同的阻燃等级可选。
- Easy to branch;
 - Soft with small bending ratio and facilitate to connect;
 - Good mechanical and temperature performance;
 - Good tensile property;
 - Good flame-retardant performance.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term	动态 Dynamic	静态 Static
4	4.5	16	660	200	270	90	20D	10D
6	5	20	660	200	330	110	20D	10D
8	5.5	23	660	200	480	160	20D	10D
12	6.3	30	660	200	600	200	20D	10D
24	8.5	55	1320	400	720	240	20D	10D
36	9.5	70	1320	400	1320	400	20D	10D
48	10.5	90	1320	400	1320	400	20D	10D

(备注: 以上参数仅供参考 Remark: The above parameters are for reference only)

室内分支光缆 (GJBFJV/GJBFJH)
Indoor Branch Fiber Optic Cable

应用范围 Applications:

室内的综合布线
作为大楼的主干布线光缆
多芯光纤活动连接跳线，室内通信设备连接
Indoor cabling
Backbone cabling system in building
To make patch cord for indoor communication equipment connection



产品特点 Characteristics:

- 1. 芳纶加强元件，优异的抗拉性能；
 - 2. 柔软性好，且易于分支；
 - 3. 温度特性稳定；
 - 4. 良好的阻燃性能。
- Aramid yarn as strength member with excellent tensile properties;
- More flexible and easy to branch;
- Stable temperature characteristics;
- Good flame retardant.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	光缆重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term	动态 Dynamic	静态 Static
4	7.5	70	660	200	660	200	20D	10D
6	8.5	70	660	200	660	200	20D	10D
8	10	95	660	200	660	200	20D	10D
12	12.5	175	660	200	660	200	20D	10D
24	15	195	1320	400	1000	300	20D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

通信铠装光缆
Armored Fiber Optic Cable

应用范围 Applications:

可用于加工各种铠装跳线 / 机房布线、应急布线 / 主网尾纤
连接机房设备 / 局域网末端配线 / 室内外墙、顶、夹层、导
管直接布线 / 室内水平布线、建筑垂直布线等。
It can be used to process various armored Patch Cord /
Machine room wiring, emergency wiring / Main network
pigtail connection to machine room equipment /
Distribution of LAN, WAN / Indoor and outdoor walls,
roofs, mezzanines, conduit direct wiring / Indoor
horizontal wiring / Building vertical wiring, etc.



产品特点 Characteristics:

- 1. 有良好的机械和环境性能；
 - 2. 阻燃 PVC/LSZH/PE/TPU 等外套材料可选；
 - 3. 最小弯曲半径小，可为大容量、多客户端室内整体敷设、单元布线，并可独立分支使用，方便与各端连设备连接。
 - 4. 可用于高密度布线，安装空间和安装曲度较小的场合。
- Good mechanical and environmental properties;
- Flame retardant PVC/LSZH/PE/TPU and other outer sheath materials are optional;
- Overall indoor laying and unit wiring of large-capacity & be easily connected to each terminal device;
- Can be used for high-density wiring, installation space and installation with small curvature.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	光缆重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	静态 Static	动态 Dynamic
2	3	18	200	400	3000	4000	30D	60D
4	5	35	200	400	3000	4000	50D	100D
6	5.5	40	200	400	3000	4000	55D	110D
12	7	54	200	400	3000	4000	70D	140D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

拉远光缆 (GJYFJH)

Remote Fiber Optic Cable

光缆的结构是将紧套光纤外放置一层芳纶纱后挤制一层护套形成单芯子缆，子缆与加强填充绳绞合后挤制一层低烟无卤阻燃材料 (LSZH) 或 TPU 护套成缆。

The structure of the remote optical cable is to place aramid yarn outside the tight-buffered optical fiber and then extrude a layer of sheath to form a single-core sub-cable. The sub-cable is stranded with a reinforced filling rope and then complete the cable with LSZH or TPU material sheath.



应用范围 Applications:

主要用于通讯基站引入 Mainly used for the introduction of communication base stations

产品特点 Characteristics:

1. 具有良好的机械性能和温度特性；
2. 高强度芳纶纱加强件，抗拉强度高；
3. 良好的抗侧压性能和柔软性；
4. 直径小、重量轻、接续方便，并支持大容量数据传输；
5. 采用 LSZH 阻燃材料，既阻燃又环保。

- Good mechanical properties and temperature characteristics;
- High-strength aramid yarn reinforcement with good tensile strength;
- Good lateral pressure resistance and softness;
- Small diameter, light weight, easy connection, and supports large-capacity data transmission;
- Using LSZH flame retardant material, it is both flame retardant and environmentally friendly.

技术参数 Technical Parameters:

光纤芯数 Fiber Count	光缆外径 Outer Diameter (mm)	重量 Weight (kg/km)	允许拉伸力 Allowable Tensile Strength (N)		允许压扁力 Allowable Crush Load (N)		弯曲半径 Bending Radius(mm)	
			短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term	动态 Dynamic	静态 Static
2~4	7	43	400	200	1000	500	20D	10D

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

光纤跳线

Optic Fiber Patch Cord



应用范围 Applications:

光纤通讯系统 Fiber optic communication system

光纤测试设备 Optical fiber testing equipment

局域网 (LAN), CATV, 数据中心 LAN, Data center, CATV

电信网络 Telecommunication network

产品特点 Characteristics:

1. 插头类型可选；
2. PC/APC/UPC 研磨；
3. 插入损耗小、回波损耗大；
4. 复插拔性能优良，使用方便；
5. 光缆直径：0.9mm, 2.0mm, 3.0mm。
- Different type of connectors are available;
- PC/APC/UPC polish types;
- Low insertion loss, high return loss;
- Repeated insertion and removal performance is excellent and easy to use;
- Cable diameter: 0.9mm, 2.0mm, 3.0mm.

技术参数 Technical Parameters:

产品类型 Type	单模 Single Mode	多模 Multi Mode
研磨方式 Grinding	PC/UPC/APC	PC
插入损耗 Insertion loss	≤ 0.2dB	≤ 0.3dB/0.5dB
回波损耗 Return loss	PC ≥ 45dB UPC ≥ 50dB APC ≥ 60dB	
重复性 Repetitive	≤ 0.2dB	
互换性 Interchangeability	≤ 0.2dB	
温度范围 Temperature range	-40℃ ~+80 ℃	

(备注：以上参数仅供参考 Remark: The above parameters are for reference only)

光缆配件 / 箱体

Optic Fiber Cable Fittings/Box



金属光缆接头盒
Metal cable connector box



悬垂线夹
Suspension clamp



耐张线夹
Strain Clamp



光缆余缆架
Remaining Optical Cable Rack



防振锤
Vibration Damper



引下线夹
Down lead Clamp



杆用引下线夹
Down lead Clamp



塔用引下线夹
Down lead clamp



光缆接续盒
Splicing Closure



光缆分纤箱
Fiber Distribution Box



ODF 光纤配线箱
ODF Optical Distribution Frame



光纤入户终端盒
FTTH Terminal Box

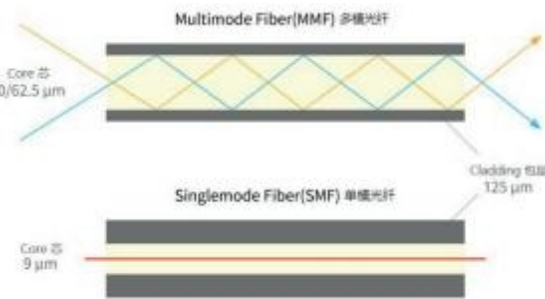
光纤类型

About Optic Fiber

光纤按传输模式分为单模光纤和多模光纤。单模光纤的芯径一般为 8.5 或 9.5 μm ，并在 1310 和 1550nm 的波长下工作。多模光纤的纤芯直径一般为 50 μm /62.5 μm ，标准波长分别为 850nm 和 1300nm。单模光纤和多模光纤，两者的包层直径都为 125 μm 。

Optical fibers are divided into single-mode optical fibers and multi-mode optical fibers according to transmission modes. The central glass core of single-mode fiber is generally 8.5 or 9.5 μm ， and

operates at wavelengths of 1310nm and 1550nm. The core diameter of multi mode fiber is generally 50 μm /62.5 μm ， and the standard wavelengths are 850nm and 1300nm respectively. Single-mode fiber and multi-mode fiber, both have a cladding diameter of 125 μm .



Description	IEC 60793	ISO 11801	ITU/T	Application
MM 62.5/125 μm	A1b	OM1	G.651	LAN, video and other local area networks, covering a distance within 2km
MM 50/125 μm	A1a	OM2		High-speed LAN, office building shaft cabling, LAN aggregation layer links, etc.
		OM3		
		OM4		
SM 9/125 μm	B1.1	OS1	G.652A/G.652B	Suitable for optical wavelength of 1310nm/1550nm, used in communication backbone lines, MAN, FTTH, fiber-optic access, etc.
	B1.3	OS2	G.652C/G.652D	
	B2	/	G.653	Suitable for optical wavelength of 1550nm, long-distance transmission (backbone network, submarine optical cable)
	B3	/	G.654	At the 1550nm wavelength, the attenuation coefficient is extremely small, only about 0.15dB/km. It is mainly used in submarine optical fiber communications.
	B4	/	G.655	Suitable for optical wavelength of 1550nm, long-distance transmission (backbone network, submarine optical cable, supporting DWDM)
	B5	/	G.656	Non-zero dispersion shifted fiber has strict requirements on the speed of dispersion, ensuring transmission performance within a wider wavelength range in DWDM systems
	B6	/	G.657	Bending loss insensitive optical fiber, mainly used in FTTH and in-building wiring

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Rose	Aqua