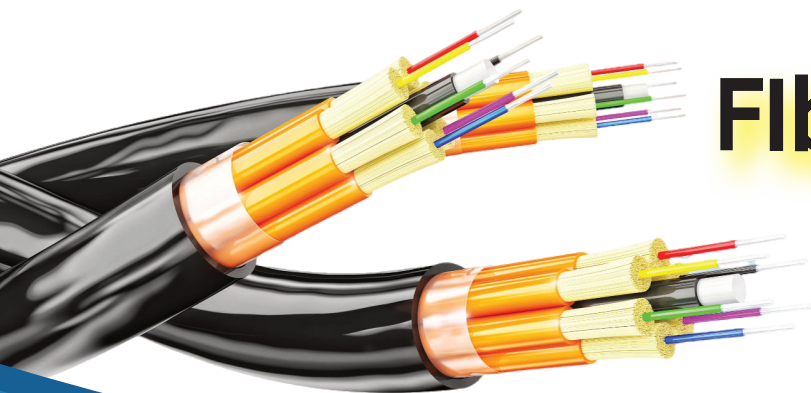




Product manual

Fiber Optical Cable



江苏亿致通信科技有限公司
Jiangsu Yizhi Telecommunication Technology Co., Ltd.



YIZHI

Jiangsu Yizhi Communication Technology Co., Ltd. is a high-tech enterprise integrating R&D; production, sales and service. Specializing in the manufacture and sales of products in the three major areas of optical fiber communication, integrated wiring, and security monitoring. We focus on providing first-class products and connections to solve troubles for foreign customers. The company's products are widely used in various fields such as government, finance, education, public security, medical care, operators, data cloud computing centers and energy. Through a full range of optical fiber cabling solutions, security cable solutions and professional basic network services, flexibly meet the differentiated needs of different customers around the world and the pursuit of rapid innovation. Our company has a complete system from the purchase of raw materials, the production of goods, the inspection, and the delivery process. Ensure that every product provided to customers is of the highest quality. This year, we launched Alibaba International.com in the hope of cooperating with customers from all over the world. We will provide the best service attitude, excellent products and perfect after-sales service to our esteemed customers. The company adheres to the quality policy of scientific and technological innovation, honest service, continuous improvement, and satisfying users. Hope to cooperate with everyone in good faith and stability.

Jiangsu Yizhi Telecommunication Technology Co., Ltd.

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公司外观
Company Appearance



办公室
Office



会议室
Meeting room



注塑车间
Injection Workshop



装配车间
Assembly Shop



实验室
Testing Room



成品仓库
Products Warehouse

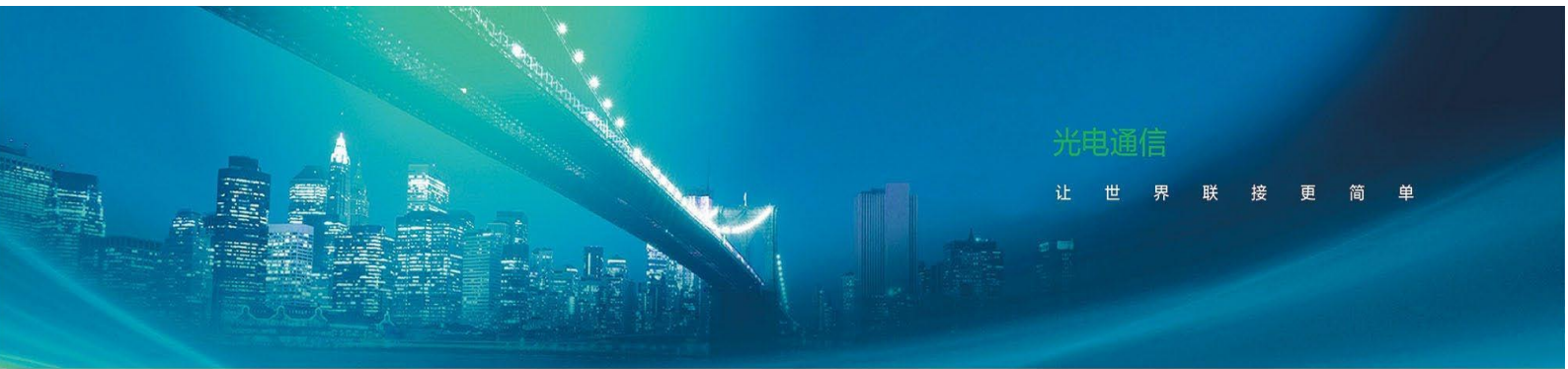


发送货物
Deliver Products



Focused on the fiber amplifier technology, expand product applications in other fields of telecommunication, industrial Laser, optical sensing, adhere to the operation idea of customization and asymmetric competition, improve process technology continuously, increase productivity and pursue excellent quality to enhance our core competitiveness.





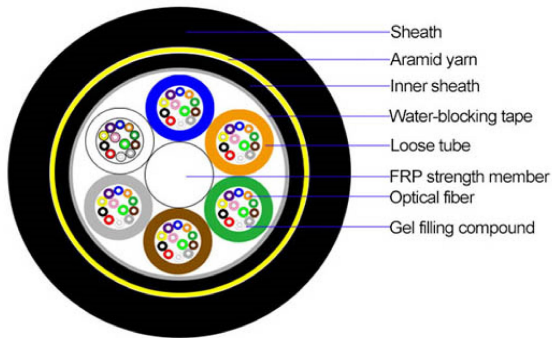
光电通信

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证书 Certificate



ADSS



ADSS (All-Dielectric Self-Supporting) cable is ideal for installation in distribution as well as transmission environments, even when live-line installations are required. As its name indicates, there is no support or messenger wire required, so installation is achieved in a single pass, making ADSS an economical and simple means of achieving a fiber optic network. FEIBOER manufactures its own line of attachment hardware as well as supplies formed wire fittings when preferred.

Temperature Range

Operating : -40°C to +70°C
Storage : -50°C to +70°C
Installation : -30°C to +70°C
Bending Radius:
Static 10D
Dynamic 20D

Applications

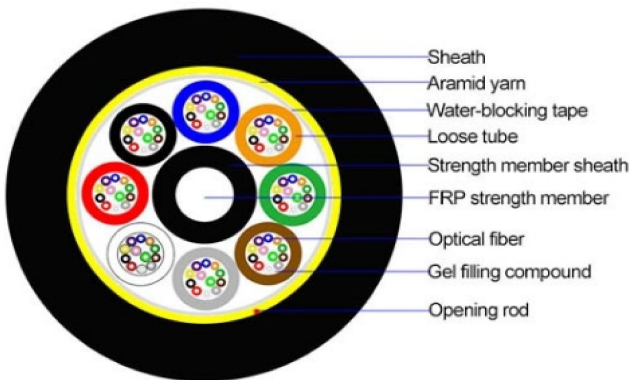
The actual status of overhead power lines is taken into full consideration when ADSS cable is being designed. For overhead power lines under 110kV, PE outer sheath is applied. For power lines equal to or over 110kV, AT outer sheath is applied.

The dedicated design of aramid quantity and stranding process can satisfy the demand on various spans.

Features

Can be installed without shutting off the power. Excellent AT performance. The maximum inductive at the operating point of AT Sheath can reach 25kV. Light weight and small diameter reducing the load caused by ice and wind and the load on towers and backdrops. Large span lengths and the largest span is over 200m. Good performance of tensile strength and temperature. The design lifespan is over 30 years.

ADSS



Mini-Span All-Dielectric Self-Supporting (ADSS) cable is designed for outside plant aerial and duct applications in local and campus network loop architectures. From pole-to-build to town-town installations, the Mini-Span cabling system, which includes cables, suspension, dead end and termination enclosures, offers a comprehensive transmission circuit infrastructure with proven, high-reliability performance. See FEIBOER's Fiber Optic Cable Hardware catalog for more information. Mini-Span includes fiber counts up to 144 optical fibers and any type or combination of single-mode and multi-mode fibers with the cable. Pole-to-Pole span lengths range from 50 feet to over 650 feet (30-200 meters).

Temperature Range

Operating : -40°C to +70°C
Storage : -50°C to +70°C
Installation : -30°C to +70°C
Bending Radius:
Static 10D
Dynamic 20D

Applications

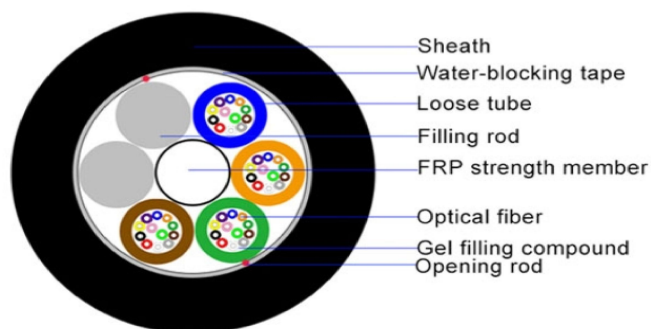
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GYFTY



Totally dielectric cable with fibers placed in loose buffer tube stranded around dielectric central member. The cable core is protected with water blocking material to prevent water intrusion and migration, reinforced with dielectric fiber yarns and covered with black polyethylene outer Sheath.

Temperature Range

Operating : -40°C to +70°C
Storage : -50°C to +70°C
Installation : -30°C to +70°C
Bending Radius:
Static 10D
Dynamic 20D

Product Construction

Fiber: 2-288 fibers
Loose tube gel-filled
Central Strength Member: FRP (Fiber reinforce plastic)
Strength Member: Fiber glass yarns.
Outer Sheath: Black UV-and moisture-resistant polyethylene (PE)

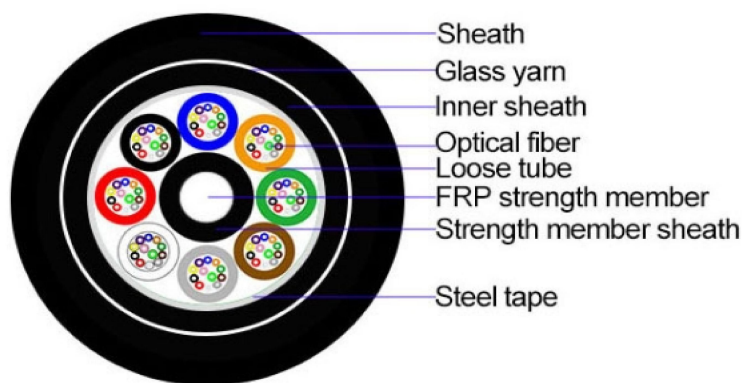
Features

Totally dielectric structure. Up to 288 fibers.
Loose tube gel-filled construction for superior fiber protection. UV and moisture-resistant design.

Applications

Interbuilding voice or data communication backbones
Installed in ducts, underground conduits, lashed /aerial.

GYFTY63



Totally dielectric cable with fibers placed in loose buffer tube stranded around dielectric central member. The cable core is protected with water blocking material to prevent water intrusion and migration and covered with inner Sheath. This set unit is protected with fiber glass yarns and covered with outer Sheath.

Product Construction

Fiber:
2-288 fibers
loose tube gel-filled
Central Strength Member:
FRP (Fiber reinforce plastic)
Armor:
Corrugated steel tape
Inner Sheath:
Black UV and moisture-resistant polyethylene (PE).
Outer Sheath:
Black UV and moisture-resistant polyethylene (PE).

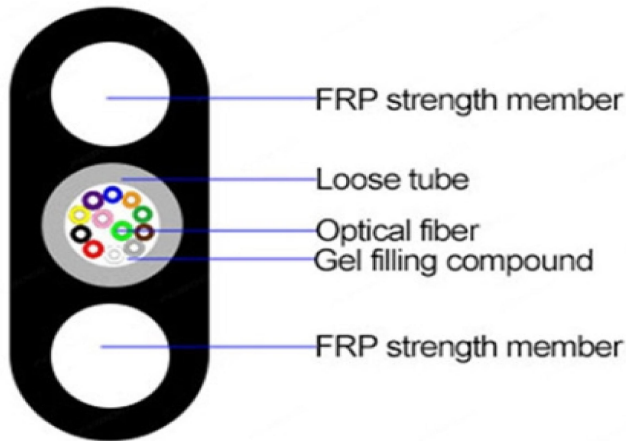
Features

Totally dielectric structure. Up to 288 fibers.
Loose tube gel-filled construction for superior fiber protection. UV and moisture-resistant design.

Applications

Interbuilding voice or data communication backbones
Installed in ducts, underground conduits, lashed /aerial.

GYFXBY



Designed for quick installation and ease in handling, FEIBOER Flat-Span Drop cable serves as the last link for the FTTx networks of today. The design is constructed utilizing proven buffer tube technology with a single tube containing up to 24 fibers.

Two diametrically opposed dielectric rods are placed along side the buffer tube to provide the mechanical properties of the cable. The finished product, with its compact size, acts as a self-supporting aerial solution for those last mile drops to the customer's home or office.

Product Construction

Fiber:

2-24 fiber s

Uni-loose tube gel -filled

Strength Member:

Embedded FRP member.

Outer Jacket:

Black UV and moisture-resistant polyethylene (PE).

Features

Compact size, use universal cable clamp make installation easily.

Up to 24 fibers.

Uni-tube gel-filled construction for superior fiber protection.

Two parallel FRP wire to enhance tensile resistant.

UV and moisture-resistant design.

Designed for use with inexpensive attachment hardware.

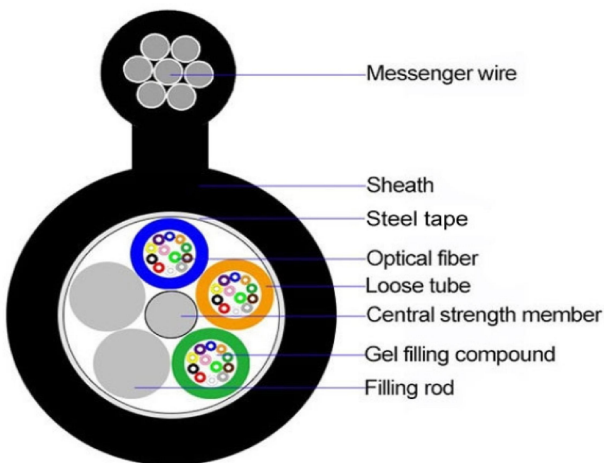
Self-supporting no messenger needed.

Applications

Conduit, Duct, Aerial/Lashed.

FTTx, Access.

GYTC8S



GYTC8S fiber optic cable, single-mode/multimode fibers are positioned in the loose tubes, while the loose tubes strand together around metallic central strength member into a compact and circular cable core. and the water-blockind materials are distributed into interstices of it. After a PSP/APL is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a PE sheath to be a figure-8 structure

Fiber Type:

G652D G657A1 G657A2

Applications:

Easy aerial installation, because of fig8 self supporting design, with simple and easy installation tools & accessories.

Advantages:

1. Self supporting, easy installation, save construction and labor cost;
2. Waterproof tape, gel compound, the fiber section all waterproof;
3. Steel tape armored with good crush resistance performance, also anti-rodent;
4. We can OEM produced double armored double jacket, single armored double jacket GYTC8S as customer requirements.

Standard:

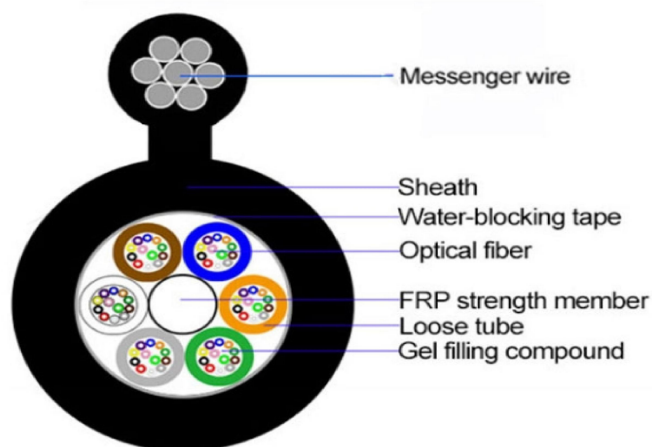
YD/Y 1155-2001 as well as IEC 60794-1

Characteristics:

High tensile strength of stranded wires meet the requirement of self-supporting and reduce the installation cost Good mechanical and temperature performance:

High strength loose tube that is hydrolysis resistant; Special tube filling compound ensure a critical protection of fiber PSP enhancing moisture-proof Sma diameter, light weight and friendly installation Long delivery length and low price.

GYFTC8Y



Self-supported figure 8 optical cable with fibers placed in jelly filled loose buffer tube stranded around dielectric central member. The cable core is protected with jelly or waterblocking material to prevent water intrusion and migration. This set unit and galvanized steel messenger are covered with polyethylene outer Sheath.

Fiber Type:

G652D G657A1 G657A2

Applications:

Interbuilding voice or data communication backbones.
Installed aurally.

Product Construction

Fiber: 2-288 fibers
Multi loose tube gel-filled
Central Strength Member: FRP (Fiber reinforce plastic)
Water Blocking Material: Water blocking Tape/Yarn
Outer Sheath: Black UV and moisture-resistant polyethylene (PE).
Messenger Member: Galvanized steel.

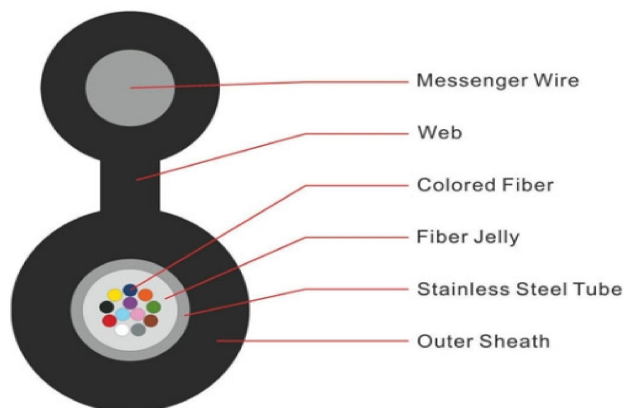
Features

Loose tube gel-filled construction for superior fiber protection. UV and moisture-resistant design.
Self-supporting Figure 8 design.

Option

Dry core structure is available, used “-DC” suffix.

Mini GYTC8S



Mini Figure 8 Fiber Optic Cable, this cable consist of the loose tube with single mode or multimode fibers and steel wire as the messenger wire, which are formed like “Figure 8” . After aramid yarn is applied over the inner sheath, the cable is completed with a PE outer sheath.

Fiber Type:

G652D G657A1 G657A2

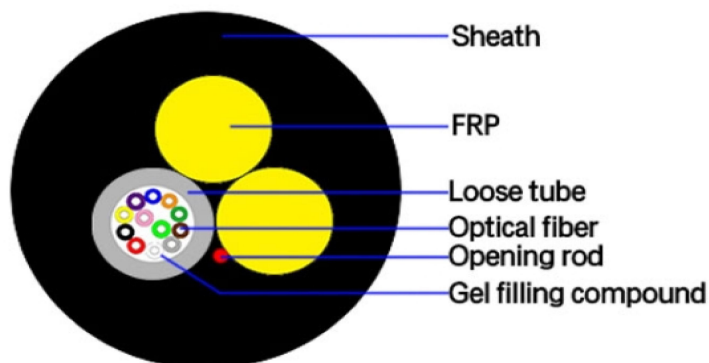
Applications:

Self supporting Aerial for FTTH Solution.

Note:

1. Cables can be supplied with a range of single mode or multimode fibers.
2. The dimensions and raw materials can be designed according to the demand of the customers.
3. Standard Reel Length: 3000m/reel: other lengths available on request.

ASU



G.652D Aerial Self-Supported ASU Fiber Optic Cable has a loose tube structure and water-resistant gel compound to provide crucial protection for the fiber. Over the tube, a water-locking material is applied to keep the cable watertight. Two parallel fiber reinforced plastic (FRP) elements are placed on the two sides. The cable is covered with a single PE outer sheath. It is especially suitable for installation in aerial for long-distance communication.

Temperature Range

Operating: -40°C to $+70^{\circ}\text{C}$ Storage: -50°C to $+70^{\circ}\text{C}$
Installation: -30°C to $+70^{\circ}\text{C}$
Bending Radius: Static 10D Dynamic 20D

Features

Proven all-dielectric loose tube construction Immune to electromagnetic fields Fast, one-step installation Integrated FRP strength elements Round cable profiles minimize wind and ice loading
FRP Filled element make cable high tension
Tube filling gel
Loose tube stranded
PE sheath outdoor cable
Anti water year protect cable from water

Description:

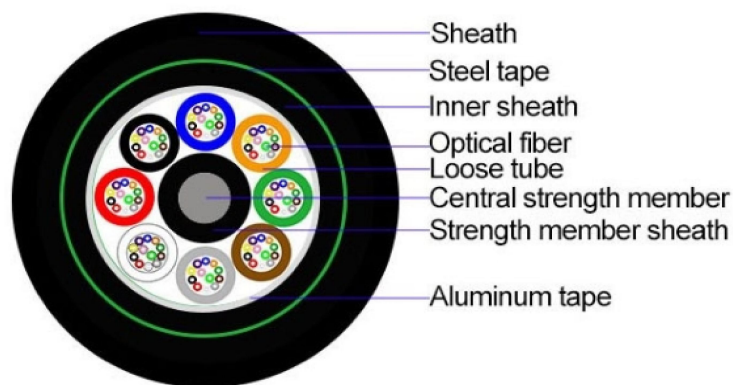
The 2-24 Fibers ASU Cable (AS80 and AS120) is a Self-Supported Optical Cable. It was developed to provide the connection between devices being indicated for installation in urban and rural networks, in spans of 80m or 120m. Because it is self-supported and totally dielectric, it has FRP strength member as a traction element, thus avoiding electrical discharges in the networks. It is easy to handle and install, eliminating the need to use strings or grounding.

It is mainly used in the communication route of overhead high voltage transmission system, and can also be used in the communication line under the environment such as lightning zone and long distance overhead line.

Compared with the stranded ADSS fiber optic cable, this fiber optic cable can not only save the use of imported aramid yarn, but also reduce the manufacturing cost due to the reduction of the overall structure size. Compared with the common 150-meter span ADSS-24 fiber optic cable, the price of this cable of the same specification can be reduced by 20% or more.

ASU Fiber Optic Cable The fibers are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. FRP rods filled, The cable is completed with a polyethylene (PE) sheath.

GYTA53



In the GYTA53 cable, single mode / multimode fibers are positioned in the loose tubes, the tubes are filled with water blocking filling compound. Tubes and fibers are stranded around the strength member into a circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the core. Which is filled with the filling compound to protect it. Then the cable is completed with a thin PE sheath. After PSP is applied over the inner sheath, the cable is completed with a PE outer sheath.

Fiber Type:

G652D G657A1 G657A2

Application:

Applicable to long-distance communication and inter-office communication.

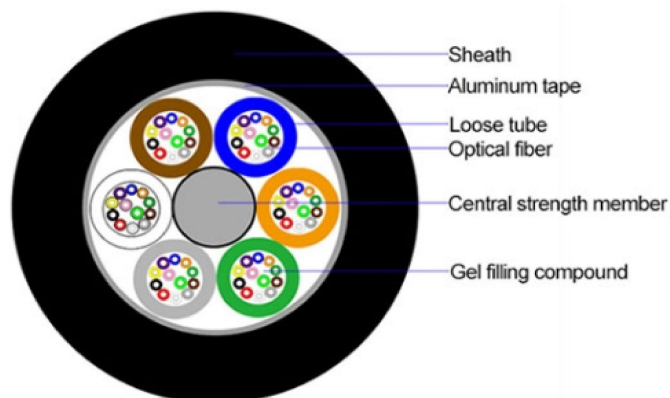
Erection Method:

Overhead, pipe laying and direct burial.

Main Features:

1. Accurate control of fiber excess length and SZ stranded method to ensure that the cable has excellent mechanical and environmental performance.
2. The material of the loose tube is with excellent hydrolysis resistant performance and high tensile strength, and the tube is filled with special fiber grease in order to provide crucial protection for the fiber.
3. The structure of double-layer armoring and double-layer sheathing improves the cable's performance of pressure resistance, bulletproof moisture resistance, and effectively prevents the cable from rodent bite.
4. Following methods are adopted to ensure the cables excellent water-resistant performance'
 - (a) Single steel wire central reinforcement.
 - (b) The loose tube is filled with special waterproof compounds.
 - (c) Cable core is filled with special grease
 - (d) Coated APL moisture-resistant layer.
 - (e) Two-side coated pSP moisture-resistant layer.
 - (f) Good water-blocking material to prevent the cable from vertical water penetration.
5. Maximum fiber number: 288.

GYTA



Single Sheath Non-Armored cables are lightweight with same diameter and designed for duct and aerial installation with lashing method. The loose tube stranded around central strength member. The cable core is protected with jelly to prevent water intrusion and migration. An Aluminum Polyethylene Laminated as moisture barrier. And cover with a black Polyethylene out Sheath.

Product Construction

Fiber: 2-288 fibers

Loose tube gel-filled

Moisture Barrier: Aluminum polyethylene laminate

Central Strength Member: FRP or Steel

Wire Outer Sheath: Black UV- and moisture-resistant polyethylene (PE)

Features

Up to 288 fibers.

Loose tube gel-filled construction for superior fiber protection.

Moisture barrier with aluminum polyethylene laminate.

UV and moisture-resistant design.

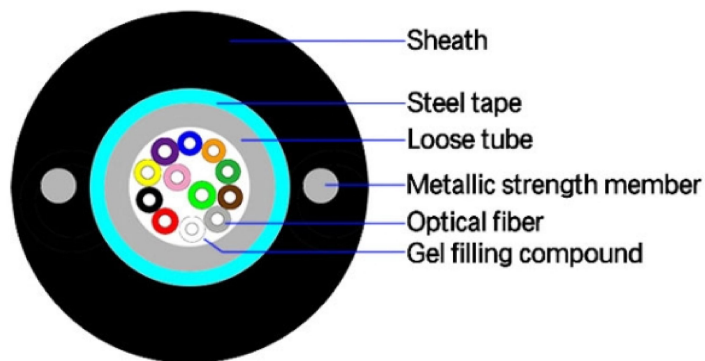
Applications

Backbones and Access. Installed in ducts, Aerial/lashed.

Option

Dry core structure is available, used “-DC” suffix.

GYXTW



Armored Uni-Tube Single Sheath/Single Armor fiber optic cable with fibers placed in loose buffer tube. The cable core is protected with a corrugated steel tape armor and covered with a black polyethylene out Sheath. Two embedded steel wires provide desired tension.

Product Construction

Fiber: 2-24 fibers Uni-loose tube gel-filled

Aarmor: Corrugated steel tape

Strength Member: Embedded steel wire

Outer Sheath: Black UV- and moisture-resistant polyethylene (PE).

Features

Uni-tube gel-filled construction for superior fiber protection.

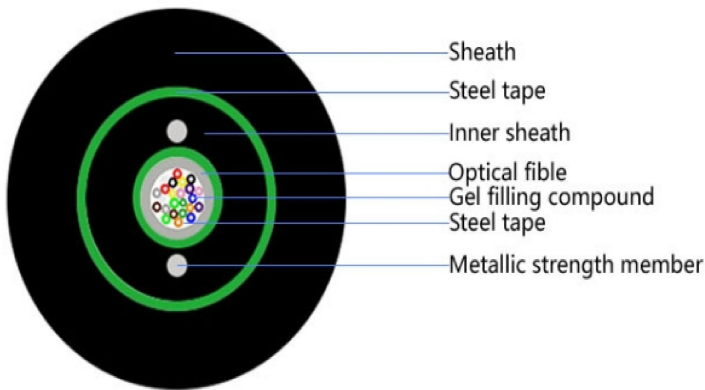
Metallic armor to protect cable from rodent attack and mechanical damage. Embedded steel wire provides desirable tensile strength and crush resistance. Compact, easy to install.

UV and moisture-resistant design.

Applications

Interbuilding voice or data communication. Installed in duct, underground conduit. FTTx.

GYXTW53



GYXTW53 cable is a central loose tube fiber cable with double steel tape and double PE jacket. GYXTW53 fiber cable is a small size and light weight, which makes the cable with superior bend-ing resistance and is convenient for installation work.

The steel tape armor layer enhances the anti-side pressure and moisture resistance of the cable. Two steel wire reinforcements with good tensile properties. Double -sided coated steel strip (PSP) improves the moisture resistance of the cable. The unique process control and high-quality mate-rials make the cable with excellent mechanical and environmental performance.

Features

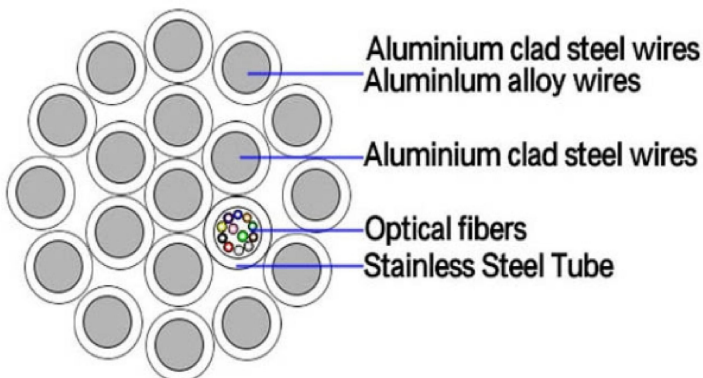
Full section water blocking structure ensures good water and moisture resistance Loose sleeve filled with special ointment for critical fiber protection;
Two parallel round wires resist tension and side pressure;
Optical fiber cable with small outside diameter, light weight, excellent bending performance;
The loose tube is located in the physical center of the cable, convenient for construction and operation. Polyethylene sheath makes the cable have good UV resistance;
Double armored jacket makes cable better side pressure resistant Product life more than 30 years.

Application:

Core Network, Metropolitan Area Network, and Access Network Outdoor Optical Cable Laying method: Buried directly, pipeline Working temperature: -40~+60.

Bend radius: Static 10 times the cable diameter
Dynamic 20 times optical cable diameter.

OPGW



OPGW Mainly used for power communication with accessories, relay protection, automatic transmission, installation together with high-voltage lines.

The Stranded Optical Ground Wire (PGW) is stranded by double or three lavers of aluminum clad steel wires (ACS or mix ACS wires and aluminum alloy wires, Its desian is fully adapted to the most common electric line needs.

Fiber Type:

G652D G657A1 G657A2

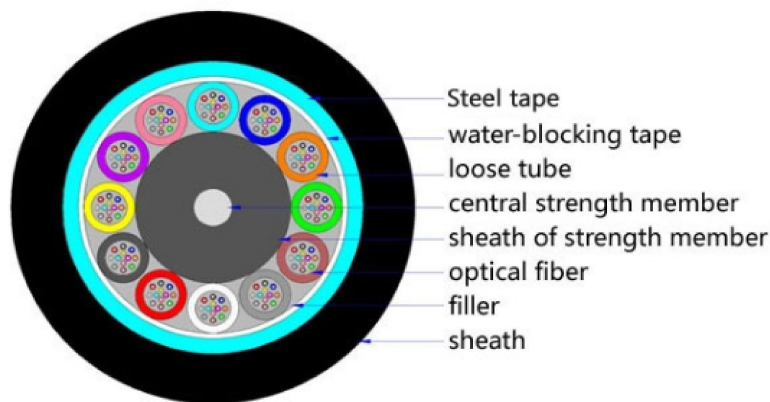
Applications:

Commonly used in newly built overhead power lines.
Can meet the requirements of big number of fibers and ultra high voltage (UHV) transmission lines.
Can provide protection against lightning by transmitting large fault short-circuit current.

Main Features:

Stable structure, high reliability.
Able to obtain the second optical fiber excess-length.Excellent resistance to distortion and side pressure.Can withstand high mechanical stress, and excellent lighting protection performancea

GYTS



In the GYTS cable, single-mode/multimode fibers are positioned in the loose tubes. The tubes are filled with water blocking compound. Tubes and fibers are stranded around the strength member into a circular cable core. An PSP is applied around the core. Which is filled with the filling compound to protect it. Then the cable is completed with a PE sheath.

Fiber Type:

G652D G657A1 G657A2

Application:

Aerial/Duct/Outdoor

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

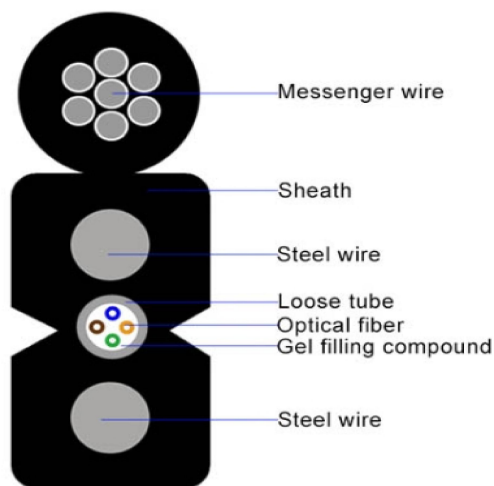
Standards:

Comply with standard YD/T 901-2009 as well as IEC 60794-1

Features

1. Up to 144 fiber cores.
2. The loose tube stranding technology make the fibers have good secondary excess length and allow
3. The fibers free movement in the tube, which keeps the fiber stress-free while the cable is subjected to longitudinal stress
4. Corrugated steel tape armored and PE outer sheath providing property crush resistance and gun shot resistance features
5. Metal strength member provides excellent strain performance
6. Low dispersion and attenuation
7. Proper design, precise control for fiber excess length and distinct stranding process render the cable excellent mechanical and environmental properties.
8. The armoring of corrugated steel tape make cable have nice properties of moisture resistance and crush resistance
9. With small cable diameter light cable weight, easily to lay
10. The jacket also can be made of HFFR which cable model is GYTZS
11. Operating Temperature : -40 ~ +60 C

GJYXCH 4core



Self-supported flat drop cable. The cable cross section is a fig.8 made a steel wire strength member.

Product Construction

Fiber:

250um color fiber

Strength Member:

Fiber glass reinforced plastic (FRP) or Steel Wire

Self-supported Member:

Steel Wire

Outer Sheath:

UV and Flame resistant LSZH

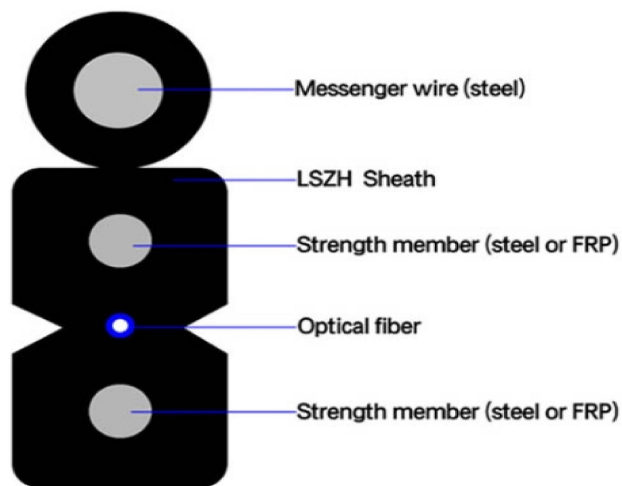
Features

Compact, soft, flexible, easy to install.

Applications

Used in access network or as access cable from outdoor to indoor in customer premises network. Used as access building cable in premises distribution system, especially used in indoor or outdoor aerial access cabling

FTTH



The FTTH outdoor Pre-terminated patch cable comes with FTTH flat aerial self- supported drop cable. It can be installed conveniently and operated simply. EC can supply FTTH outdoor pre-terminated patch cables with SC/FC/LC connectors.

Description:

The FTTH outdoor Pre-terminated patch cable comes with FTTH flat aerial self- supported drop cable. It can be installed conveniently and operated simply.

EC can supply FTTH outdoor pre-terminated patch cables with SC/FC/LC connectors.

Features

Low insertion loss, high return loss;

High environmental stability;

Available FTTH Drop cable diameters: ϕ 2.0*5.0mm; ϕ 2.0*5.2mm;

FTTH Cable Self- Supported member: 1.0; 1.2mm Steel wire.

Connector Types: LC, FC, SC

Fiber Mode: Single mode G652D, G.657A1, G657A2, G657B3

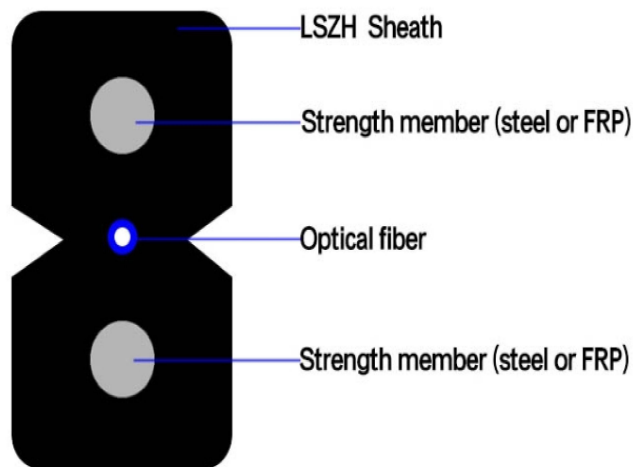
Ferrule Interface Type: UPC to UPC, APC to APC, APC to UPC .

Good exchangeability; Good Durability

High temperature stability

Compliant to IEC, TIA/EIA, NTT and JIS specifications

GJXH



Temperature Range

Operating : -40°C to +70°C

Storage : -50°C to +70°C

Installation : -30°C to +70°C

Bending Radius:

Static 15D

Dynamic 30D

Options

Fiber Type: G.652, G.655 or G.657 single-mode fiber, A1a or A1b, OM3 or OM4 multi-mode fiber, or other types of fiber.

Sheath Material: Environmental flame retardant polyvinylchloride (PVC), environmental low smoke zero halogen flame retardant polyolefin (LSZH), environmental halogen flame retardant polyolefin (ZRPO), or other contracted material.

Sheath Color: (Including color of fiber) meets the requirements of relevant standards, or other contracted color.

Features

Good mechanical and environmental characteristics.

Rame retardant characteristics meet the requirements of relevant standards. The mechanical characteristics meet the requirements of relevant standards. Sof, flexible, easy to lay and splice, and with big capacity data transmission. Meet various requirements of market and clients.

Applications

Used as access building cable

Used in indoor cabling, especially used for FTTH

Other Products

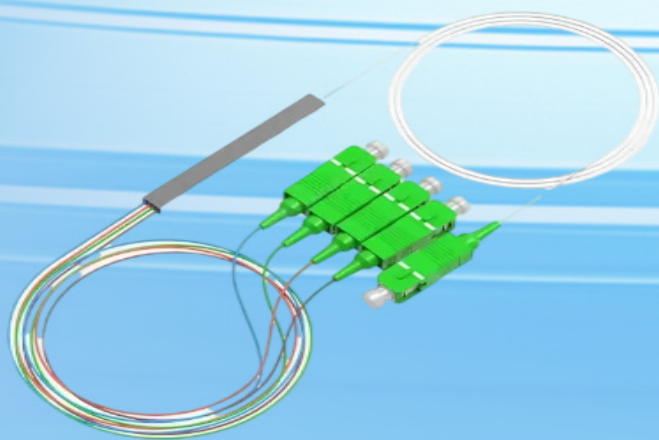
ONU



SFP



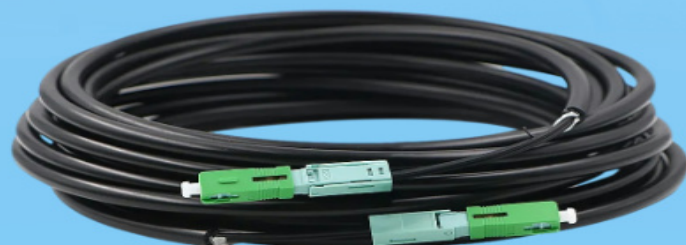
PLC Splitter



POE



Jumper FTTH Drop Cable





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Phone number : +86 13915677343

Wechat



WhatsApp

