



HENGTONG OPTIC-ELECTRIC CO.,LTD.  
Global Information and Energy Network Service Provider

CREATE WORLD RENOWNED BRAND  
BUILD AN INTERNATIONAL EXCELLENT ENTERPRISE

# INDOOR OPTICAL FIBER CABLE

Global Information and  
Energy Network Service Provider



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Version 2016



HTGDcorporation

CREATE EXCELLENCE ADVOCATE CIVILIZATION

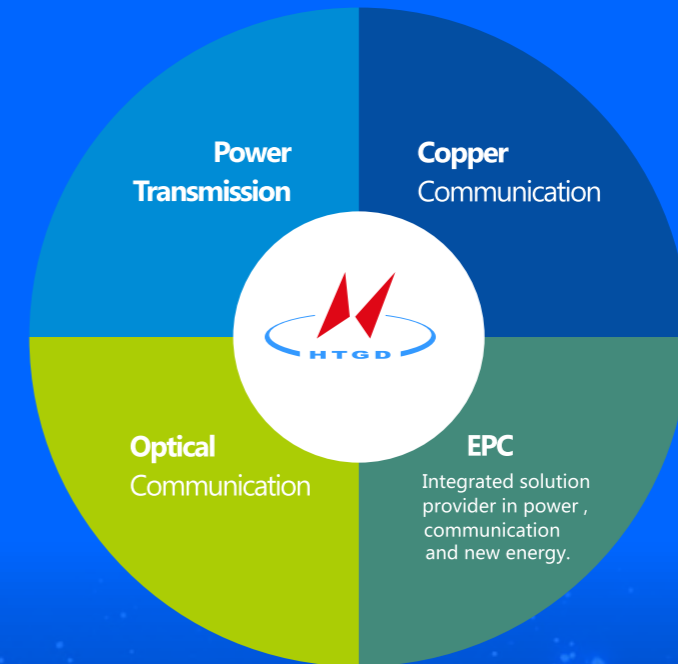
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## HENGTONG OPTIC-ELECTRIC

### Connecting Smarter Future

HENGTONG OPTIC-ELECTRIC, a member of HENGTONG GROUP, is a global information and energy network service provider, aimed for high-end technology and products, conformed to the industrial trends of telecommunication and electric power, dedicated to the needs of optical communication, power distribution & transmission and a variety of special transmission applications.

# HENGTONG OVERVIEW

<p>Founded in 1991, IPO in 2003, Stock code: SH.600487</p>	<p>The world's second largest cable manufacturer (CRU 2014)</p>	<p>China's Top 500 Enterprises (328th,2015)</p>	<p>Annual turnover 7.2 billion USD (2015)</p>	<p>50 Subsidiary companies, 13000 staffs (2015)</p>
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## Business Units

- **Optical Communication**  
Preform-optic fiber-optical fiber cables-ODN (Capacity: 60million fkm/year), Submarine optic cables.
- **Power Transmission**  
From Low Voltage to High Voltage, EHV (up to 500KV), Submarine power cables, High-speed railway contact wires, OPGW.
- **Copper Communication**  
Railway signal cables, Balise cables, Axle counting cables, Lan cables.
- **Raw Material for Wires and Cables**
- **Integrated solution provider in power , communication and new energy.**



## Global Partner



## Application Areas



# Industry Location





📍 CHINA  
**HENG TONG Optic-Electric Co., Ltd.**  
 Series of Telecom and Power  
 Transmission Products

**ABERDARE**

📍 SOUTH AFRICA  
**Aberdare Cable Proprietary Limited**  
 LV/MV/HV Power Cables /  
 Overhead Bare Conductors



📍 SPAIN  
**Cables de Comunicaciones Zaragoza, S.L**  
 Optical Fiber Cables / Telecom Cables /  
 Railway Signal Cables



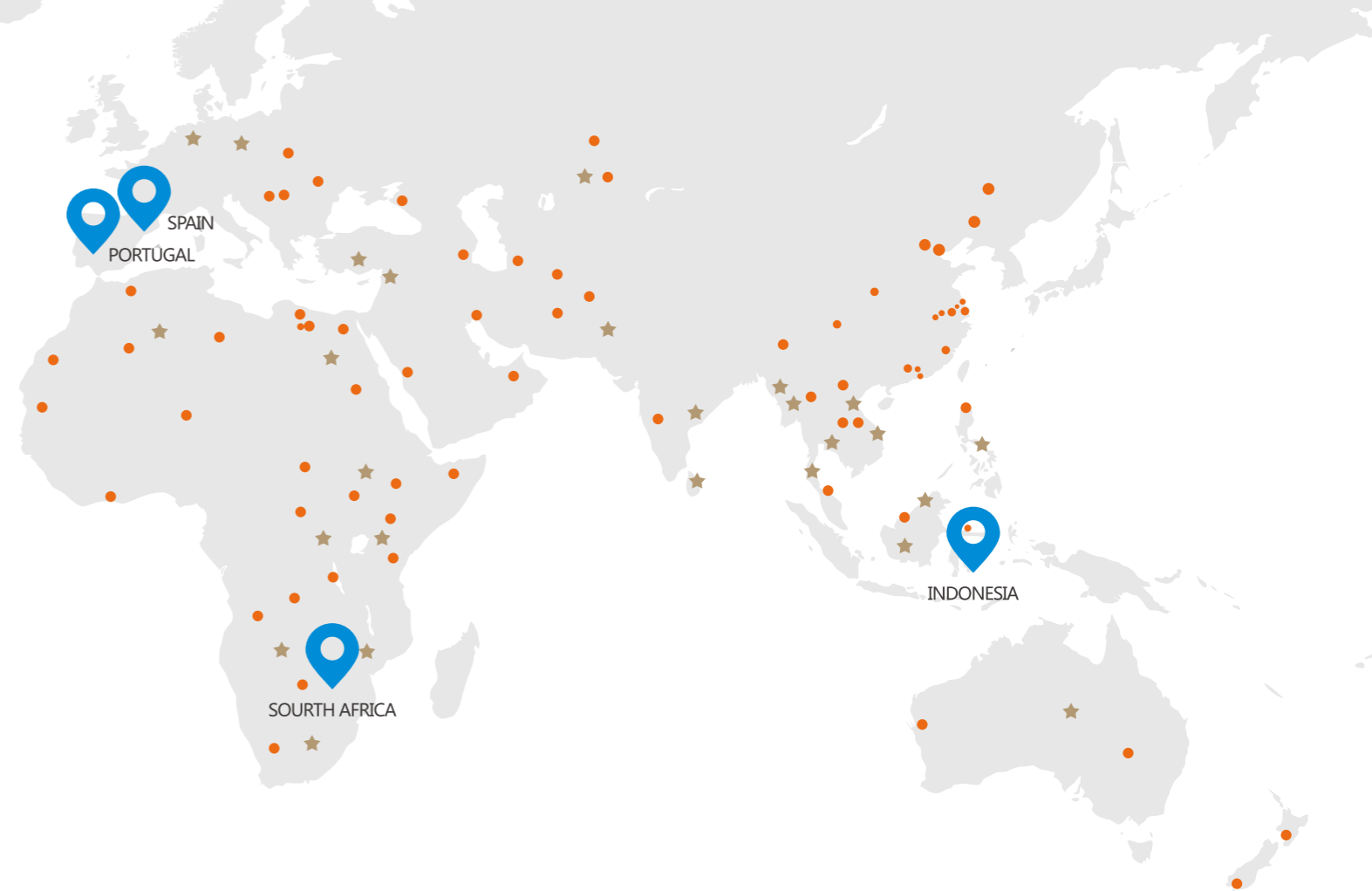
📍 BRAZIL  
**HT Cabos E Tecnologia LTDA**  
 Optical Fiber Cables

**ALCOBRE**

📍 PORTUGAL  
**ALCOBRE - Condutores Eléctricos, S.A.**  
 Telecom Cables / LV Power Cables /  
 Railway Signal Cables



📍 INDONESIA  
**PT Voksel Electric Tbk**  
 LV/MV/HV Power Cables / Telecom Cables /  
 Optic Fiber / OPGW



## Sales & technical service institution

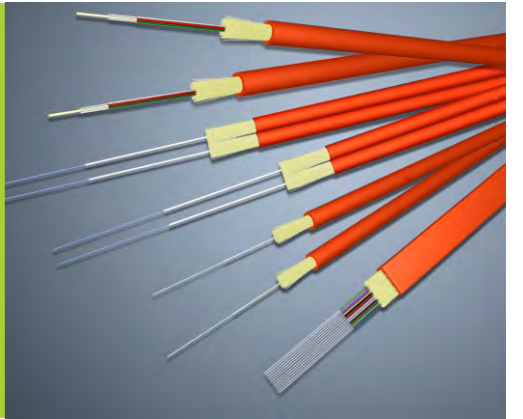
United Arab Emirates	fubo@htgd.com.cn
Jordan	huangff@htgd.com.cn
Iran	songzy@htgd.com.cn
Egypt	zhengc@htgd.com.cn
Algeria	lixugd@htgd.com.cn
Kenya	lintao@hengtonggroup.com
Nigeria	lijun@htgd.com.cn
South Africa	jinpeng@htgd.com.cn
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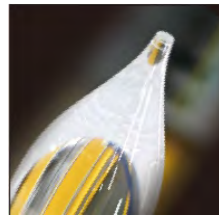


# OPTICAL COMMUNICATION

# MANUFACTURING



Hengtong Optic-electric owns the worlds most advanced and prefabricated technology and manufacturing base for optical preform - optical fiber- optical cable industry chain. It owns independent intellectual Property rights in this industry chain. It has a completed full range of FTTx ODN R&D and manufacturing, leading the full range of products industry group of optical network city. The company has the first class optical fiber drawing and testing equipment which produces international level optical fiber with outstanding advantages such as anti-aging , anti-hydrogen damage, anti-micro bending etc.



## OPTICAL PREFORM

Our preform diameter reached 200mm, the preform length is more than 6M, and one perform drawing distance attained 15000km. All these technology are advanced level of the world.



## OPTICAL FIBER

As one of the largest optical manufacturing base in the world, We hold thousands of invention patents and take part in drawing up tens of national standards of optical fiber.

### MiniCom®SMF

Low loss 200m diameter bending-loss insensitive single-mode optical fiber.

### SeaCom®G.654

Low loss and ultra large-effective area fiber for sea,include 110 $\mu\text{m}^2$ and 130 $\mu\text{m}^2$ .

### NGFCom®G.652.D

Next Generation Communication Fiber.



## OPTICAL FIBER CABLE

Hengtong provides a series of end-to-end cable products and service solutions in telecommunication market. The products mainly include: layer stranded optical cable, central-tubed optical cable, ribbon optical cable, special optical cable, indoor optical cable, power optical cable.

It owns well-known imported and most advanced manufacturing equipment which helps to meet the various specifications from clients. Hengtong Optical Fiber has world-class optical fiber drawing and equipment. We create the international advanced level of optical fiber products with continuously innovation and independent developed system. The company has an annual production capacity of over 60 million km which account for over 15% of the world's usage.

## QUALITY AND PRODUCT CERTIFICATES

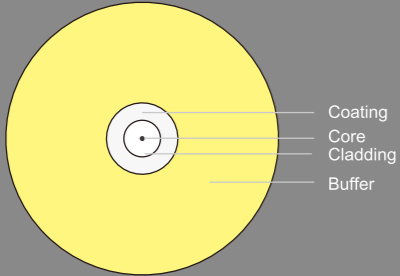

We have a strong research team of 500 staffs. We have successfully earned over for 300 patents. The company has passed the ISO9001 Quality system, ISO14001 Environmental Management System, U.S. UL Safety Certification. Our company manufactures with respect to the IEC, ITU Standards.

## R&D


HENG TONG Optic-Electric has established innovation management network platform on base of state-level technical center, postdoctoral scientific research workstation, academician workstation of Jiangsu Province, photoelectric transmission engineering center. The company has undertaken 190 national and provincial new product development and high-tech projects, participated in setting above 177 national and enterprise standards, and owned more than 2000 state authorized patents, which rank in the first position of national counterparts. In recent years, the company constantly increases investment in new product research and development. Relying on the existing platform, the company has established standard air-blowing proving ground, flame retardant and fire-resistant combustion laboratory, which are in accordance with GB/T standard and IEC standard. Moreover, the company has successfully passed CNAS certification, and developed successively Ultra-fine Air-blowing Micro Optical Cables, Flame-retardant and Fire-resistant Optical Cables, flexible All-dry Optical Cables, All-dry ADSS Optical Cables, Anti-bite Optical Cables and other new products, which can be widely used in all kinds of special application scenarios, and has been sold to America, Europe, Middle East and other regions.



## JUMPER WIRE Tight Buffered Fiber

Fiber: Up to 1, tight buffered fiber  
 Fiber Types: Single-mode or multimode  
 Cable Types: Tight buffered fiber  
 Strength Member: Non  
 Sheath Options: LSZH, PVC, Nylon, etc.  
 Operating Temperature: -20°C~+70°C  
 Compliances: In Accordance with IEC, ITU and EIA standards

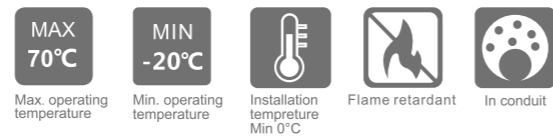


### Features

- Good flexibility, suitable for making patch cord and pigtail;
- Small bending radius, compact and light weight.

### Application

Element of indoor cable;  
 Pigtail and patch cord in communication equipments.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
Tight Buttfer Fiber	1	0.5	/	/	100	50	60	30
Tight Buttfer Fiber	1	0.6	/	/	100	50	60	30
Tight Buttfer Fiber	1	0.7	/	/	100	50	60	30
Tight Buttfer Fiber	1	0.8	/	/	100	50	60	30
Tight Buttfer Fiber	1	0.9	/	/	100	50	60	30

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## JUMPER WIRE Simplex Round Indoor Cable




Fiber: Up to 1, tight buffered fiber  
 Fiber Types: Single-mode or multimode  
 Cable Types: Simplex cable  
 Strength Member: Aramid yarn  
 Sheath Options: Single LSZH/PVC sheath  
 Operating Temperature: -20°C~+70°C  
 Compliances: In Accordance with IEC, ITU and EIA standards

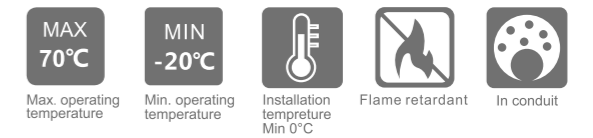


### Features

- Good flexibility, suitable for making patch cord and pigtail;
- ⊖ Small bending radius, compact and light weight.
- Flame retardant outer sheath offering good protection.

### Application

Indoor cabling;  
 Pigtail and patch cord in communication equipments.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJFJZY(V)	1	1.5	60	30	500	200	60	30
GJFJZY(V)	1	1.6	60	30	500	200	60	30
GJFJZY(V)	1	1.8	60	30	500	200	60	30
GJFJZY(V)	1	2.0	60	30	500	200	60	30
GJFJZY(V)	1	2.4	120	60	500	200	60	30
GJFJZY(V)	1	2.8	120	60	500	200	60	30
GJFJZY(V)	1	3.0	120	60	500	200	60	30

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## JUMPER WIRE Duplex Flat Indoor Cable




Fiber: Up to 2, tight buffered fiber  
 Fiber Types: Single-mode or multimode  
 Cable Types: Duplex cable  
 Strength Member: Aramid yarn  
 Sheath Options: Single LSZH/PVC sheath  
 Operating Temperature: -20°C~+70°C  
 Compliances: In Accordance with IEC, ITU and EIA standards



## JUMPER WIRE Duplex Flat Indoor Cable




Fiber: Up to 2, tight buffered fiber  
 Fiber Types: Single-mode or multimode  
 Cable Types: Duplex cable  
 Strength Member: Aramid yarn  
 Sheath Options: Double LSZH sheath  
 Operating Temperature: -20°C~+70°C  
 Compliances: In Accordance with IEC, ITU and EIA standards

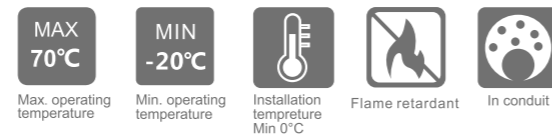


### Features

- Good flexibility, suitable for making patch cord and pigtail;
- Small bending radius, compact and light weight ;
- Flame retardant outer sheath offering good protection.

### Application

Indoor cabling;  
 Double-core pigtail and patch cord;  
 Working as connection cable in equipments.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJFBH(V)	2	1.6×3.3	120	60	500	200	60	30
GJFBH(V)	2	1.8×3.7	120	60	500	200	60	30
GJFBH(V)	2	2.0×4.1	120	60	500	200	60	30
GJFBH(V)	2	2.4×4.9	240	120	500	200	60	30
GJFBH(V)	2	2.5×5.1	240	120	500	200	60	30
GJFBH(V)	2	2.8×5.7	240	120	500	200	60	30
GJFBH(V)	2	3.0×6.1	240	120	500	200	60	30

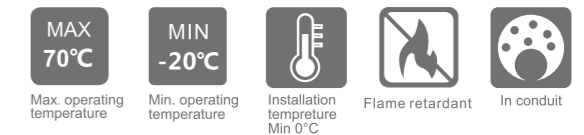
Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

### Features

- Good flexibility, easy for splicing;
- Small bending radius, small diameter and light weight ;
- Flame retardant outer sheath offering good protection.

### Application

Indoor cabling;  
 Double-core pigtail and patch cord;  
 Working as connection cable in equipments.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJFBHH	2	3.1×4.9	120	60	1000	400	60	30
GJFBHH	2	4.0×7.0	240	120	1000	400	60	30
GJFBHH	2	4.4×7.4	240	120	1000	400	60	30

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## INDOOR CABLING SYSTEM

# Multi Fibers Distribution Indoor Cable I



Optical fiber  
Tight buffer  
Aramid yarn  
Jacket



Fiber: Up to 24, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Multi-fiber distribution cable  
Strength Member: Aramid yarn  
Sheath Options: Single LSZH/PVC sheath  
Operating Temperature: -20°C~+70°C  
Compliances: In Accordance with IEC, ITU and EIA standards

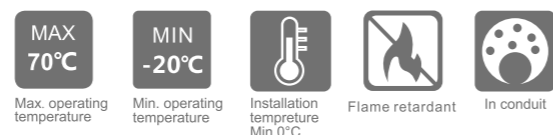


### Features

- Large number of cores, high density, can be divided into several independent optical units;
- Flexible, excellent stress and strain properties;
- Flame retardant outer sheath offering good protection;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Horizontal and vertical cabling inside buildings;  
Multi-core patch cord;  
As transmission cable in transmission equipment.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber counts	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius		
			Short term Level	Long term Vertical	Short term	Long term	Dynamic	Static	
GJPFJH(V)	2	3.6	300	400	150/200	1000	500	20D	10D
GJPFJH(V)	4	4.7	440	660	220/330	1000	500	20D	10D
GJPFJH(V)	6	5.2	440	660	220/330	1000	500	20D	10D
GJPFJH(V)	8	5.8	440	660	220/330	1000	500	20D	10D
GJPFJH(V)	12	6.3	440	660	220/330	1000	500	20D	10D
GJPFJH(V)	16	6.9	660	1320	330/660	1000	500	20D	10D
GJPFJH(V)	18	7.0	660	1320	330/660	1000	500	20D	10D
GJPFJH(V)	20	8.0	660	1320	330/660	1000	500	20D	10D
GJPFJH(V)	24	8.0	660	1320	330/660	1000	500	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## INDOOR CABLING SYSTEM

# Multi Fibers Distribution Indoor Cable II



Sub-unit  
Central strength member  
Wrapping tape  
Outer jacket



Optical fiber  
Tight buffer  
Aramid yarn  
Inner jacket

Fiber: Up to 144, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Multi-fiber distribution cable  
Strength Member: Aramid yarn and FRP  
Sheath Options: Double LSZH/PVC sheath  
Operating Temperature: -20°C~+70°C  
Compliances: In Accordance with IEC, ITU and EIA standards

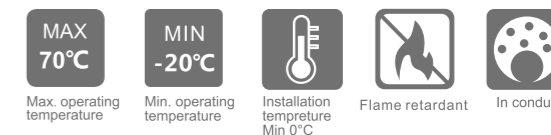


### Features

- Large number of cores, high density, can be divided into several independent optical units;
- Flexible, excellent stress and strain properties;
- Flame retardant outer sheath offering good protection;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Horizontal and vertical cabling inside buildings;  
As transmission cable in transmission equipment.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber cores	Sub-unit		Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
		Fiber counts	Unit count		Short term	Long term	Short term	Long term	Dynamic	Static
GJPFJH(V)	24	6	4	4.5	1200	600	1200	600	20D	10D
GJPFJH(V)	36	6	6	4.5	1600	800	1200	600	20D	10D
GJPFJH(V)	48	12	4	5.5	1600	800	1200	600	20D	10D
GJPFJH(V)	72	12	6	5.5	2000	1000	1200	600	20D	10D
GJPFJH(V)	96	12	8	5.5	3500	1700	1200	600	20D	10D
GJPFJH(V)	144	12	12	5.5	4000	2000	1200	600	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## INDOOR CABLING SYSTEM

# Multi Fibers Breakout Indoor Cable

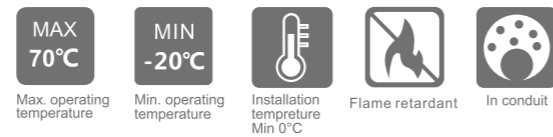
Fiber: Up to 60, tight buffered fiber  
 Fiber Types: Single-mode or multimode  
 Cable Types: Multi-fiber breakout cable  
 Strength Member: Aramid yarn and FRP  
 Sheath Options: Double LSZH/PVC sheath  
 Operating Temperature: -20°C~+70°C  
 Compliances: In Accordance with IEC, ITU and EIA standards

### Features

- Large number of cores, high density, can be divided into several independent optical units;
- Flexible, excellent stress and strain properties;
- Flame retardant outer sheath offering good protection;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Multi-core patch cord;  
Indoor cabling, especially used as breakout cable;  
As transmission cable in transmission equipment.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber Counts	Sub-unit diameter	Cable structure	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
					Short term	Long term	Short term	Long term	Dynamic	Static
GJBFJH(V)	4	2.0	1+4	7.5	500	250	1000	500	20D	10D
GJBFJH(V)	6	2.0	1+6	8.5	800	400	1000	500	20D	10D
GJBFJH(V)	8	2.0	1+8	9.5	660	330	1000	500	20D	10D
GJBFJH(V)	12	2.0	1+12	12.0	1000	500	1000	500	20D	10D
GJBFJH(V)	24	2.0	1+9+15	14.5	1800	900	1000	500	20D	10D
GJBFJH(V)	36	2.0	1+6+12+18	17.5	2200	1100	1000	500	20D	10D
GJBFJH(V)	48	2.0	1+10+16+22	19.5	3000	1500	1000	500	20D	10D
GJBFJH(V)	60	2.0	1+6+12+18+24	22.0	3600	1800	1000	500	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## INDOOR CABLING SYSTEM

# Optical Fiber Ribbon Indoor Cable

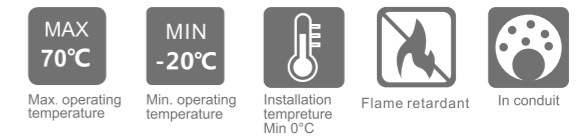
Fiber: Up to 12  
 Fiber Types: Single-mode or multimode  
 Cable Types: Ribbon fiber  
 Strength Member: Aramid yarn  
 Sheath Options: Single LSZH/PVC sheath  
 Operating Temperature: -20°C~+70°C  
 Compliances: In Accordance with IEC, ITU and EIA standards

### Features

- High fiber density, small size, light weight, good looking and compact structure;
- Easy for installation and splicing, branching and flame retardant;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Indoor cabling;  
Ribbon patch cord and ribbon pigtail;  
As flexible connection cable between equipments.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJDFH(V)	4	2.2×3.2	220	100	500	250	30H	15H
GJDFH(V)	6	2.2×4.2	220	100	500	250	30H	15H
GJDFH(V)	8	2.2×4.2	220	100	500	250	30H	15H
GJDFH(V)	12	2.2×4.7	220	100	500	250	30H	15H

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.



## FTTX DROP CABLE

# Bow-type Drop Cable For FTTX I



Suspension wire  
Strength member  
Optical fiber  
Sheath



Fiber: Up to 12  
 Fiber Types: Single-mode or multimode  
 Cable Types: Bow-type drop cable  
 Strength Member: (K)FRP or steel wire  
 Sheath Options: Single LSZH sheath  
 Operating Temperature: -20°C~+70°C  
 Compliances: In Accordance with IEC, ITU and EIA standards

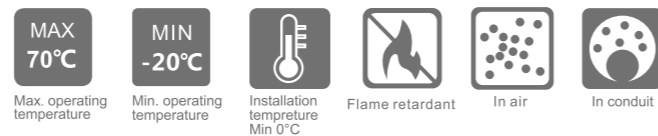


### Features

- Compact and light weight, low purchasing and construction costs;
- Easy connect without splicing, fast and convenient;
- Excellent tensile and crush performance, the span distance for self-support type can be up to 50 meters;
- Flame retardant LSZH jacket meets relevant fire protection requirements in indoor environment;
- High carbon steel messenger wire enables the self-support type to have excellent tensile strength.

### Application

Used in indoor/outdoor cabling;  
Used as drop cable.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum Counts	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJXH	2	1.6×2.0	200	100	2200	1000	30	15
GJXFH	2	1.6×2.0	80	40	1000	500	30	15
GJYXCH	2	1.6×3.7	600	300	2200	1000	240	120
GJYXFCH	2	1.6×3.7	600	300	2200	1000	240	120
GJXH	4	3.0×2.0	200	100	2200	1000	30	15
GJXFH	4	3.0×2.0	200	100	2200	1000	30	15
GJYXCH	4	5.2×2.0	600	300	2200	1000	240	120
GJYXFCH	4	5.2×2.0	600	300	2200	1000	240	120

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## FTTX DROP CABLE

# Bow-type Drop Cable For FTTX II



Suspension wire  
Aramid yarn  
Optical fiber  
Sheath



Fiber: Up to 4, tight buffered fiber  
 Fiber Types: Single-mode or multimode  
 Cable Types: Round drop cable  
 Strength Member: Aramid yarn  
 Sheath Options: Single LSZH sheath  
 Operating Temperature: -20°C~+70°C  
 Compliances: In Accordance with IEC, ITU and EIA standards

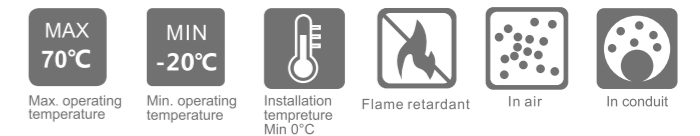


### Features

- Compact and light weight, low purchasing and construction costs;
- Easy connect without splicing, fast and convenient;
- Excellent tensile and crush performance, the span distance for self-support type can be up to 50 meters;
- Flame retardant LSZH jacket meets relevant fire protection requirements in indoor environment;
- High carbon steel messenger wire enables the self-support type to have excellent tensile strength.

### Application

Used in indoor/outdoor cabling;  
Used as drop cable.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJFJH	1	2.5	150	80	1000	500	20D	10D
GJYFJH	1	3.0	300	150	1000	500	20D	10D
GJYFJCH	2	3.0×5.5	600	300	1000	500	20D	10D
GJYFJCH	4	3.7×6.5	600	300	1000	500	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## FTTX DROP CABLE

# Armored Bow-type Drop Cable



Inner sheath  
Strength member  
Optical fiber  
Water-blocking tape  
Aluminium strip  
Outer sheath

Fiber: Up to 4  
Fiber Types: Single-mode or multimode  
Cable Types: Drop cable for duct  
Strength Member: (K)FRP or steel wire  
Sheath Options: Inner LSZH sheath, outer PE sheath  
Operating Temperature: -20°C~+70°C  
Compliances: In accordance with IEC, ITU and EIA standards

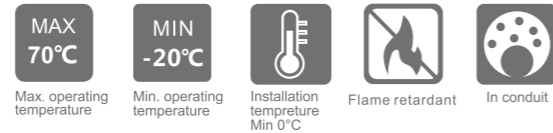


### Features

- Excellent mechanical and environmental characteristics;
- Easily strip and splice, simplify the installation and maintenance;
- From outdoor duct application to indoor wiring.

### Application

Used in indoor/outdoor cabling;  
Drop in duct.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber Counts	Unit specification	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
				Short term	Long term	Short term	Long term	Dynamic	Static
GYPHA	1	2.0×3.0	6.8	200	100	2200	1000	20D	10D
GYPHA	2	2.0×3.0	6.8	200	100	2200	1000	20D	10D
GYPHA	4	2.0×3.0	6.8	200	100	2200	1000	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## FTTX DROP CABLE

# Aerial/duct Drop Cable



FRP  
Optical fiber  
Jelly  
Inner jacket  
Outer sheath

Fiber: Up to 24, Gel-filled  
Fiber Types: Single-mode or multimode  
Cable Types: Drop cable for aerial and duct  
Strength Member: Parallel FRP  
Sheath Options: Single PE sheath  
Operating Temperature: -20°C~+70°C  
Compliances: In accordance with IEC, ITU and EIA standards



### Features

- Excellent mechanical and environmental characteristics;
- Good compression resistance performance;
- Good water resistance performance;
- Outer sheath resists solar radiation;
- Gel-filled Loose tube protects the fiber well;

### Application

Used in aerial and duct cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GYFXTCBY	1~12	6.6×3.6	700	350	2200	1000	30H	15H
GYFXTCBY	13~24	8.4×4.4	1200	600	2200	1000	30H	15H

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## FTTX DROP CABLE

# Optical Cable For Wireless Remote Radio Unit I



Optical fiber  
Tight buffer

Central strength member

Aramid yarn

Inner jacket

Outer jacket

Fiber: Up to 4, tight buffered fiber"  
Fiber Types: Single-mode or multimode  
Cable Types: Remote radio unit cable  
Strength Member: FRP and aramid yarn  
Sheath Options: Double LSZH sheath  
Operating Temperature: -40°C~+80°C  
Compliances: In accordance with IEC, ITU and EIA standards



## FTTX DROP CABLE

# Optical Cable For Wireless Remote Radio Unit II



Optical fiber  
Tight buffer

Aramid yarn

Filler

Aramid yarn

Inner jacket

Outer jacket

Fiber: Up to 4, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Remote radio unit cable  
Strength Member: Aramid yarn  
Sheath Options: Double LSZH sheath  
Operating Temperature: -40°C~+80°C  
Compliances: In accordance with IEC, ITU and EIA standards

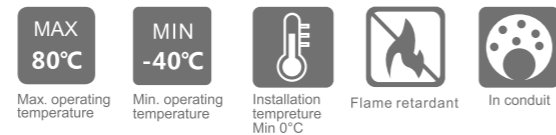


### Features

- Excellent mechanical and environmental performance;
- Small diameter, small bending radius and light-weight ;
- Flame retardant outer sheath offering good protection; UV and lighting resistance;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Specially designed for cabling in base station;  
Patch cord in communication equipments;  
Indoor/outdoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum Counts	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GYFJH	2	7.0	600	300	2200	1100	20D	10D
GYFJH	4	7.0	600	300	2200	1100	20D	10D

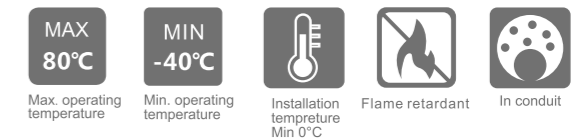
Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

### Features

- Excellent mechanical and environmental performance;
- Small diameter, small bending radius and light-weight ;
- Flame retardant outer sheath offering good protection; UV and lighting resistance;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Specially designed for cabling in base station;  
Patch cord in communication equipments;  
Indoor/outdoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GYFJH	2	7.0	400	200	2200	1100	20D	10D
GYFJH	4	7.0	400	200	2200	1100	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## FTTX DROP CABLE

# Optical Cable For Wireless Remote Radio Unit III



Fiber: Up to 4, tight buffered fiber  
 Fiber Types: Single-mode or multimode  
 Cable Types: Remote radio unit cable  
 Strength Member: Aramid yarn  
 Sheath Options: Double LSZH sheath  
 Operating Temperature: -40°C~+80°C  
 Compliances: In accordance with IEC, ITU and EIA standards



## FTTX DROP CABLE

# Optical Cable For Wireless Remote Radio Unit IV



Fiber: Up to 4, tight buffered fiber  
 Fiber Types: Single-mode or multimode  
 Cable Types: Remote radio unit cable  
 Strength Member: Aramid yarn  
 Sheath Options: Single LSZH sheath  
 Operating Temperature: -40°C~+80°C  
 Compliances: In accordance with IEC, ITU and EIA standards

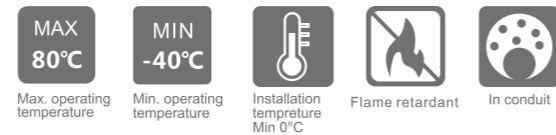


### Features

- Excellent mechanical and environmental performance;
- Small diameter, small bending radius and light-weight ;
- Flame retardant outer sheath offering good protection; UV and lighting resistance;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Specially designed for cabling in base station; Patch cord in communication equipments; Indoor/outdoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum Counts	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GYFJH	2	7.0	600	300	2200	1100	20D	10D
GYFJH	4	7.0	600	300	2200	1100	20D	10D

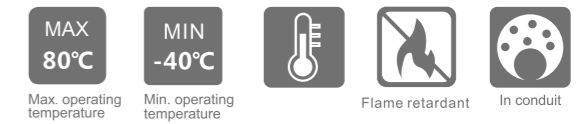
Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

### Features

- Excellent mechanical and environmental performance;
- Small diameter, small bending radius and light-weight ;
- Flame retardant outer sheath offering good protection; UV and lighting resistance;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Specially designed for cabling in base station; Patch cord in communication equipments; Indoor/outdoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum cores	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GYFJZY	2	4.8	400	200	3000	1500	20D	10D
GYFJZY	4	7.0	400	200	2200	1100	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## FTTX DROP CABLE

# Optical Cable For Wireless Remote Radio Unit V



Water blocking aramid yarn  
Optical fiber  
Tight buffer  
Inner tube  
Water blocking aramid yarn  
Outer jacket

Fiber: Up to 2, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Remote radio unit cable  
Strength Member: Aramid yarn  
Sheath Options: Double LSZH sheath  
Operating Temperature: -40°C~+80°C  
Compliances: In accordance with IEC, ITU and EIA standards

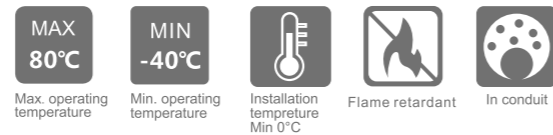


### Features

- Excellent mechanical and environmental performance;
- Small diameter, small bending radius and light-weight ;
- Flame retardant outer sheath offering good protection; UV and lighting resistance;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Specially designed for cabling in base station;  
Patch cord in communication equipments;  
Indoor/outdoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum Counts	Central unit specification	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
				Short term	Long term	Short term	Long term	Dynamic	Static
GYFXJH	2	3.0	4.8	400	200	1000	500	20D	10D
GYFXJH	2	3.0	7.0	400	200	2200	1100	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## FTTX DROP CABLE

# Optical Cable For Wireless Remote Radio Unit VI



Sub-unit  
Aramid yarn  
Filler  
Ripcord  
Outer sheath

Tight buffer  
Optical fiber  
Aramid yarn  
Inner jacket

Fiber: Up to 2, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Remote radio unit cable  
Strength Member: Aramid yarn  
Sheath Options: Inner LSZH sheath, outer PVC sheath  
Operating Temperature: -40°C~+80°C  
Compliances: In accordance with IEC, ITU and EIA standards



### Features

- Excellent mechanical and environmental performance;
- Small diameter, small bending radius and light-weight ;
- Flame retardant outer sheath offering good protection; UV and lighting resistance;
- All dielectric structure design, without electromagnetic induction effect.

### Application

Specially designed for cabling in base station;  
Patch cord in communication equipments;  
Indoor/outdoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Maximum Counts	Unit specification	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
				Short term	Long term	Short term	Long term	Dynamic	Static
GJBFJV	2	2.5	7.0	1000	400	7500	3000	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## FTTX DROP CABLE

# Optical Cable For Wireless Remote Radio Unit VII



Optical fiber  
Tight buffer  
Aramid yarn  
Inner jacket  
Middle jacket  
Corrugated steel tape  
Outer jacket

Fiber: Up to 4, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Remote radio unit cable  
Strength Member: Aramid yarn  
Sheath Options: Double LSZH sheath  
Operating Temperature: -40°C~+80°C  
Compliances: In accordance with IEC, ITU and EIA standards



### Features

- Excellent mechanical and environmental performance;
- Small diameter, small bending radius and light-weight ;
- Flame retardant outer sheath offering good protection; UV and lighting resistance;
- Good anti-rodent performance.

### Application

Specially designed for cabling in base station; Patch cord in communication equipments; Indoor/outdoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Type	Fiber Counts	Unit specification	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
				Short term	Long term	Short term	Long term	Dynamic	Static
GYJH53	1	2.0/7.0	10.5	800	400	2200	1000	20D	10D
GYJH53	2	2.0/7.0	10.5	800	400	2200	1000	20D	10D
GYJH53	4	2.0/7.0	10.5	800	400	2200	1000	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

## INDOOR MULTI-FIBER RISER CABLE

# Easy Branches Indoor Riser Cable I



Extract point marker  
Tight buffer  
FRP  
Sheath

Fiber: Up to 24, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Multi-fiber riser cable  
Strength Member: Parallel FRP  
Sheath Options: Single LSZH sheath  
Operating Temperature: -40°C~+70°C  
Compliances: In accordance with IEC, ITU and EIA standards



### Features

- Excellent mechanical and environmental performance;
- All dielectric and dry core structure improve the efficiency and cleanness in deployment ;
- Small diameter, light weight, small occupied space;
- The FRP makes cable strong tension and anti-bend advantages;
- Data transmission with high reliability, low cost, easy to connect, etc.

### Application

Indoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber Counts	Cable specification	Strength member	Tensile Strength		Crush Resistance		Minimum bend radius	
				Short term	Long term	Short term	Long term	Dynamic	Static
GJPFJH	2	7.5	1.2	500	250	1000	500	20D	10D
GJPFJH	4	7.5	1.2	500	250	1000	500	20D	10D
GJPFJH	6	8.0	1.2	500	250	1000	500	20D	10D
GJPFJH	8	8.0	1.2	500	250	1000	500	20D	10D
GJPFJH	12	9.0	1.2	500	250	1000	500	20D	10D
GJPFJH	16	10.5	1.2	500	250	1000	500	20D	10D
GJPFJH	18	10.5	1.2	500	250	1000	500	20D	10D
GJPFJH	24	10.5	1.2	500	250	1000	500	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.



## INDOOR MULTI-FIBER RISER CABLE

# Easy Branches Indoor Riser Cable II



Extract point marker  
Micro-module and fibers  
FRP  
Sheath

Fiber: Up to 288  
Fiber Types: Single-mode or multimode  
Cable Types: Multi-fiber riser cable  
Strength Member: Parallel FRP  
Sheath Options: Single LSZH sheath  
Operating Temperature: -40°C~+70°C  
Compliances: In accordance with IEC, ITU and EIA standards

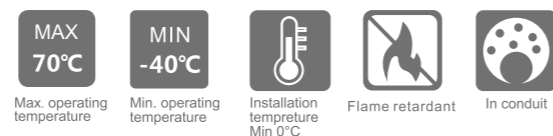


### Features

- Excellent mechanical and environmental performance;
- All dielectric and dry core structure improve the efficiency and cleanness in deployment ;
- Micro modules can be easily stripped off without tools to get the fibers ;
- Small diameter, light weight, small occupied space;
- The FRP makes cable strong tension and anti-bend advantages;
- Data transmission with high reliability, low cost, easy to connect, etc.

### Application

Indoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

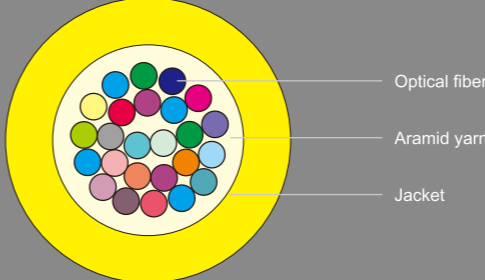
### Technical Specification

Cable type	Fiber CORES	Sub-unit			Cable diameter	Cable diameter	Tensile Strength		Crush Resistance		Minimum bend radius	
		Fiber counts	Unit count	Diameter			Short term	Long term	Short term	Long term	Dynamic	Static
GJPFWQH	12	4	3	0.9	1.2	7.5	500	250	1000	500	20D	10D
GJPFWQH	24	6	4	1.1	1.2	8.0	500	250	1000	500	20D	10D
GJPFWQH	36	6	6	1.1	1.2	8.0	500	250	1000	500	20D	10D
GJPFWQH	48	12	4	1.3	1.2	8.0	500	250	1000	500	20D	10D
GJPFWQH	72	12	6	1.3	1.2	10.5	500	250	1000	500	20D	10D
GJPFWQH	96	12	8	1.3	1.2	10.5	500	250	1000	500	20D	10D
GJPFWQH	144	12	12	1.3	1.2	11.0	500	250	1000	500	20D	10D
GJPFWQH	288	12	24	1.3	1.2	13.0	500	250	1000	500	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.


## MPO JUMPER WIRE

# MPO Patch Cord I



Optical fiber  
Aramid yarn  
Jacket

Fiber: Up to 24  
Fiber Types: Single-mode or multimode  
Cable Types: MPO cable  
Strength Member: Aramid yarn  
Sheath Options: Single LSZH/PVC sheath  
Operating Temperature: -20°C~+70°C  
Compliances: In accordance with IEC, ITU and EIA standards

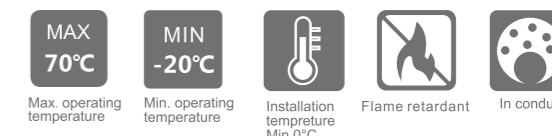


### Features

- Extremely high fiber density, very small size, light weight and compact structure;
- Suitable for large capacity data transmission;
- Good flexibility, suitable for making patch cord ;
- High strength, good bending property, without gel inside, convenient for splicing and cabling;
- Flame retardant outer sheath offering good protection.

### Application

Indoor cabling, as fan-out cable.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

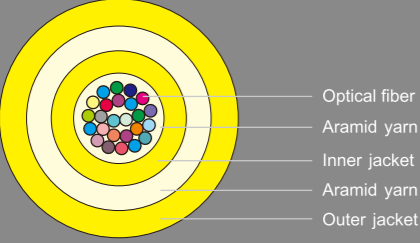
### Technical Specification

Cable type	Fiber Counts	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJFV(H)	2	3.0	250	120	500	250	20D	10D
GJFV(H)	4	3.0	250	120	500	250	20D	10D
GJFV(H)	6	3.0	250	120	500	250	20D	10D
GJFV(H)	8	3.0	250	120	500	250	20D	10D
GJFV(H)	12	3.0	250	120	500	250	20D	10D
GJFV(H)	24	3.5	250	120	500	250	20D	10D


Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.




## MPO JUMPER WIRE MPO Patch Cord II



- Optical fiber
- Aramid yarn
- Inner jacket
- Aramid yarn
- Outer jacket



Fiber: Up to 24  
 Fiber Types: Single-mode or multimode  
 Cable Types: MPO cable  
 Strength Member: Aramid yarn  
 Sheath Options: LSZH/PVC  
 Operating Temperature: -20°C~+70°C  
 Compliances: In accordance with IEC, ITU and EIA standards



## MPO JUMPER WIRE MPO Patch Cord III



- Optical fiber
- Strength member
- Inner jacket
- Central strength member
- Wrapping tape
- Outer jacket



Fiber: Up to 288  
 Fiber Types: Single-mode or multimode  
 Cable Types: MPO cable  
 Strength Member: Aramid yarn  
 Sheath Options: LSZH/PVC  
 Operating Temperature: -20°C~+70°C  
 Compliances: In accordance with IEC, ITU and EIA standards



### Features

- Extremely high fiber density, small size, light weight and compact structure;
- Suitable for large capacity data transmission;
- Good flexibility, suitable for making patch cord ;
- High strength, good bending property, without gel inside, convenient for splicing and cabling;
- Flame retardant outer sheath offering good protection.

### Application

Indoor cabling, as fan-out cable;  
 Indoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Cable type	Fiber Counts	Central tube specification	Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
				Short term	Long term	Short term	Long term	Dynamic	Static
GJFXV(H)	2	3	5.5	660	330	1000	500	20D	10D
GJFXV(H)	4	3	5.5	660	330	1000	500	20D	10D
GJFXV(H)	6	3	5.5	660	330	1000	500	20D	10D
GJFXV(H)	8	3	5.5	660	330	1000	500	20D	10D
GJFXV(H)	12	3	5.5	660	330	1000	500	20D	10D
GJFXV(H)	24	3.5	6.0	660	330	1000	500	20D	10D

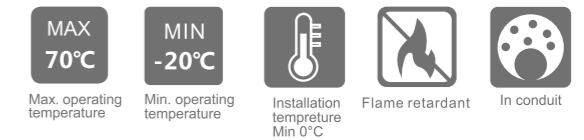
Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.

### Features

- Extremely high fiber density, small size, light weight and compact structure;
- Suitable for large capacity data transmission;
- Good flexibility, suitable for making patch cord ;
- Each individual unit cable has its own aramid yarn as strength member;
- High strength, good bending property, without gel inside, convenient for splicing and cabling;
- Flame retardant outer sheath offering good protection.

### Application

Indoor cabling, as fan-out cable;  
 Indoor horizontal and vertical cabling.



### Fiber Transmission Performance

Cabled Optical fiber ( dB/km )	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value	3.0/1.0	3.0/1.0	0.36/0.25	0.36/0.25

### Technical Specification

Type	Fiber Counts	Fiber counts	Sub-unit		Cable dimension	Tensile Strength		Crush Resistance		Minimum bend radius	
			Unit counts	Diameter		Short term	Long term	Short term	Long term	Dynamic	Static
GJPFH(V)	24	12	2	3.0	9.5	600	300	1000	500	20D	10D
GJPFH(V)	48	12	4	3.0	9.5	600	300	1000	500	20D	10D
GJPFH(V)	72	12	6	3.0	11.5	800	400	1000	500	20D	10D
GJPFH(V)	96	12	8	3.0	13.5	1000	500	1000	500	20D	10D
GJPFH(V)	144	12	12	3.0	17.5	1500	750	1000	500	20D	10D
GJPFH(V)	288	12	24	3.0	21.0	3000	1500	1000	500	20D	10D

Notes : 1. D denotes the diameter of the cable ; 2. The above parameters are typical value ; 3. The cable spec can be designed according to customer's requirement.