FMUSER Turnkey Fiber Optic Solutions




Complete Fiber Network Systems

Backbone Network, FTTX/FTTA solution, Power Transmission, Energy System, and more.

Contact us

- Email: sales@fmuser.com
- Tel: +86-13922702227
- Solution Indexed: https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories
- Video Demonstration: https://youtu.be/hBJ4ktQpB1c
- WhatsApp Chat: https://wa.me/fmuser
- Online Chat: https://jivo.chat/lEHTbmpYDr

Best Fiber Optic Products In-Stock & Ship Today

Hybrid Fiber Copper Cable for Efficient Data & Power Transmission (Aerial, Pipeline,...

Price(USD)：Ask for a quotation
Sold：14

GYFTY: Non-armored Outdoor Fiber Optic Cable with Stranded Loss Tube & FRP...

Price(USD)：Ask for a quotation
Sold：14

GYTS/GYTA Light-armored Outdoor Fiber Optic Cable (SPS/APL Coated) with Centr...

Price(USD)：Ask for a quotation
Sold：14

[Turnkey fiber optic cables: Indoor&Outdoor]

Fiber Fast Connectors - Easy Field Termination | SC/UPC, SC/APC, FC/APC

Price(USD)：Ask for a quotation
Sold：14

Hybrid Fiber Optic Adapter - SC Male to ST Female, Single-Mode Compatible

Price(USD)：Ask for a quotation
Sold：14

FMUSER Single-mode Fiber Optic Media Converter (100/1000 Mbps)

Price(USD)：Ask for a quotation
Sold：14

[Fiber fast connectors], [fiber optic adapters], [fiber optic media converter]

330 Lbs (150Kg) Paired Aluminum Cable Reel Roller/Dispenser/Unwinder for...

.

[Paired Aluminum Cable Reel Roller]

SMA-905/906 Fiber Patch Cord | Custom Length, DX/SX, SM/MM, In Stock & Ship...

Price(USD)：Ask for a quotation
Sold：14

INQUIRY +

MTRJ Fiber Patch Cord | Custom Length, DX/SX, SM/MM, In Stock & Ship Same...

Price(USD)：Ask for a quotation
Sold：14

INQUIRY +

LC Uniboot Patch Cord Fiber | Custom Length, DX/SX, SM/MM, In Stock & Ship...

Price(USD)：Ask for a quotation
Sold：14

INQUIRY +

[Fiber Patch Cords, all customizable]

 Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

Content

About us

FMUSER is a global leader in fiber optic network solutions, serving customers in 138 countries. We offer a diverse range of turnkey solutions for optical communication systems worldwide. Our extensive product lineup includes fiber optic cables and accessories, ensuring we have the perfect solution for you.

Customization is crucial to us, and we provide custom services for both indoor and outdoor fiber optic cables. Our dedicated team works closely with you to meet your specific requirements, ensuring optimal performance and reliability.

With FMUSER, you enjoy the advantage of factory-direct pricing, without compromising on quality. We eliminate unnecessary intermediaries to offer competitive prices.

Choose from our wide range of fiber optic cables and accessories, including single-mode and multimode options with different core diameters and bandwidth capabilities. We have connectors, adapters, and other accessories to complete your network setup.

Our cables are designed to withstand harsh environmental conditions, offering excellent resistance to moisture, temperature variations, and physical damage. Trust in the durability and reliability of our products.

We value timely project completion and maintain a robust inventory of our most popular fiber optic cable products. This ensures prompt delivery, efficient project management, and reduced downtime.

Choose FMUSER for comprehensive turnkey solutions, custom services, factory-direct pricing, a wide product range, and a commitment to quality and reliability. We strive to provide a seamless experience and be your trusted choice for all your fiber optic network needs.

Customized Solutions

FMUSER specializes in providing a comprehensive range of fiber optic cable solutions that cater to a wide range of application needs. Our solutions are designed to deliver optimal performance, durability, and seamless integration. With FMUSER, you can trust in our expertise to provide reliable connectivity and dependable solutions that are tailored to your specific requirements.

- Backbone Network Turnkey Solution
- FTTx Solution for Multi-storey Dwelling Block
- FTTx Solution for Villa Dwelling Block
- Enhancing 4G Wireless Systems with TTA Fiber and Power Hybrid Cable Solution
- Wind Power Solutions
- Power Transmission and Distribution Solution
- System Solutions for Power Transmission Line
- Mining Solution
- Shipboard Cable Solution
- Railway & Rolling Stock Solution
- Drilling Platform Solution
- Offshore Wind Power & Power Supply to Offshore Island Solution
- Solutions for New Energy System

Backbone Network Turnkey Solution

Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

FTTx Solution for Multi-storey Dwelling Block

Central office


MODF


ODF


Integrative gather frame


DDF

User control room


OCC


PLC splitter


Patch cord


Broadband access box


Joint closure

Network access point in building


Optical distribution & splitting box (Metallic)


Optical distribution & splitting box (ABS+PC)

Indoor product


Fiber outlet

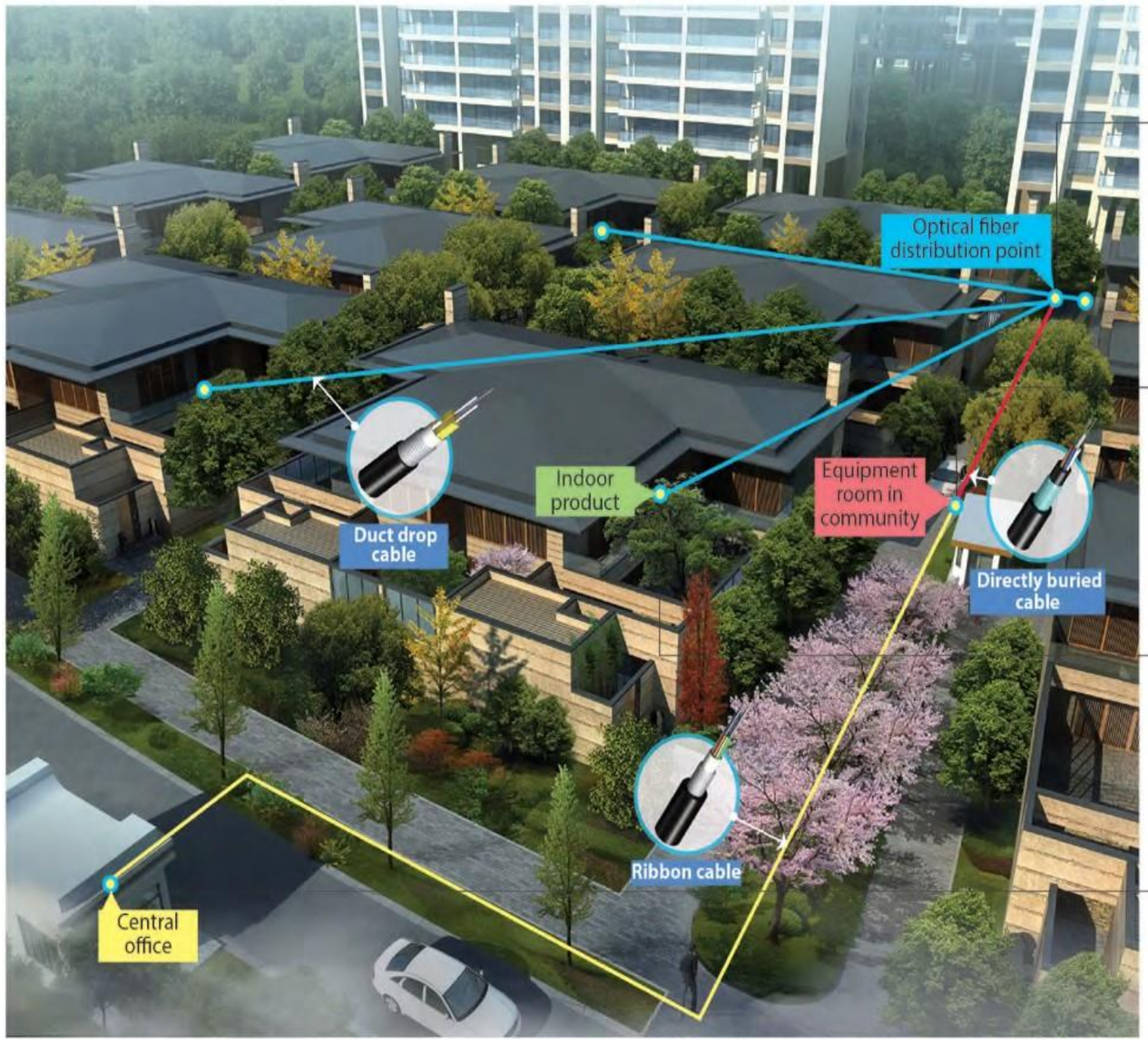

Field assembly connector


Optical fiber mechanical connector


Broadband access box

Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

FTTx Solution for Villa Dwelling Block



Optical fiber distribution point


Optical distribution & splitting box


Optical termination box


Optical fiber joint closure

Equipment room in community


OCC


PLC splitter


Patch cord/Pigtail


ODF


Terminal box

Indoor product


Fiber outlet


Field assembly connector


Optical fiber mechanical connector


Broadband access box

Central office


MODF


ODF


Integrative gather frame


DDF

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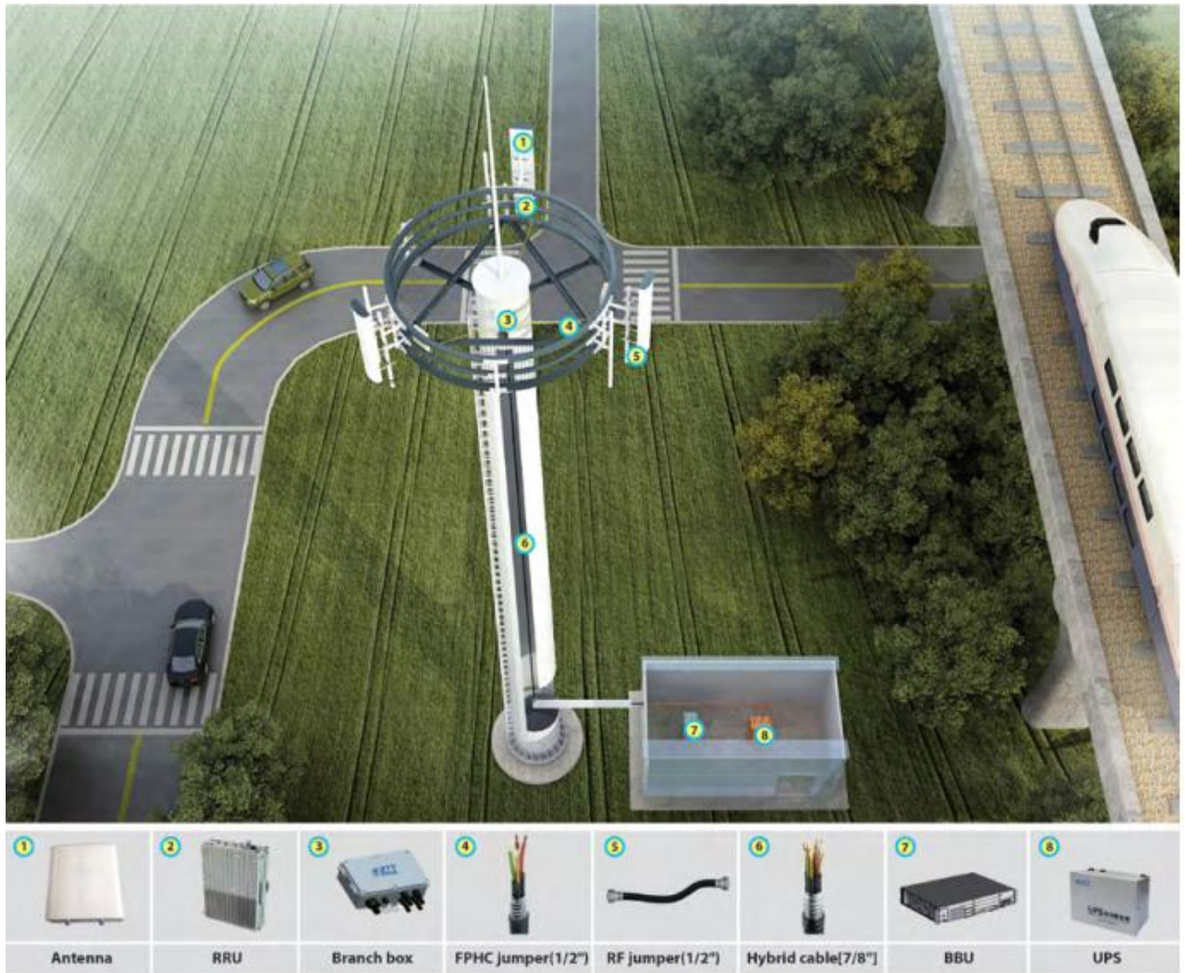
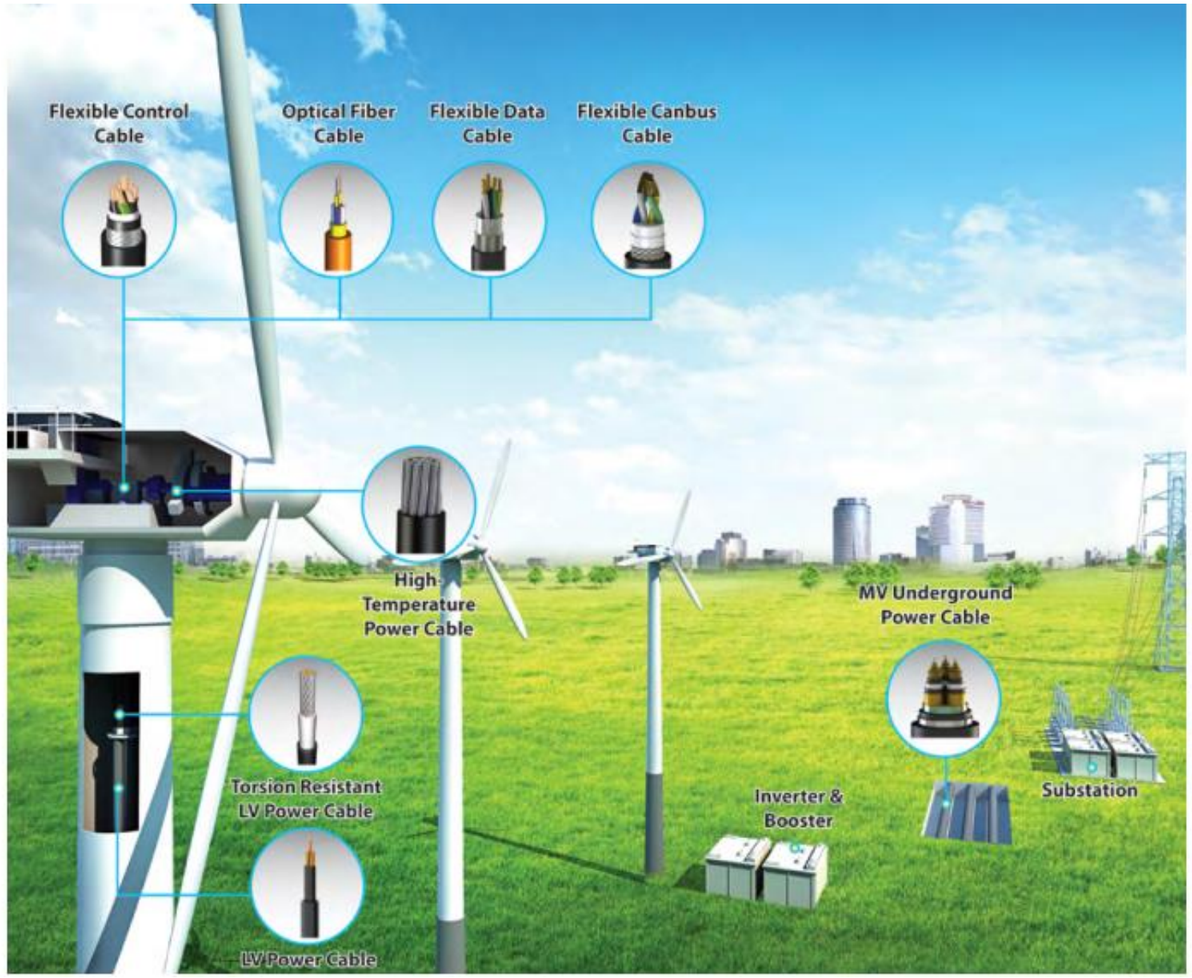
Fmuser

Enhancing 4G Wireless Systems with TTA Fiber and Power Hybrid Cable



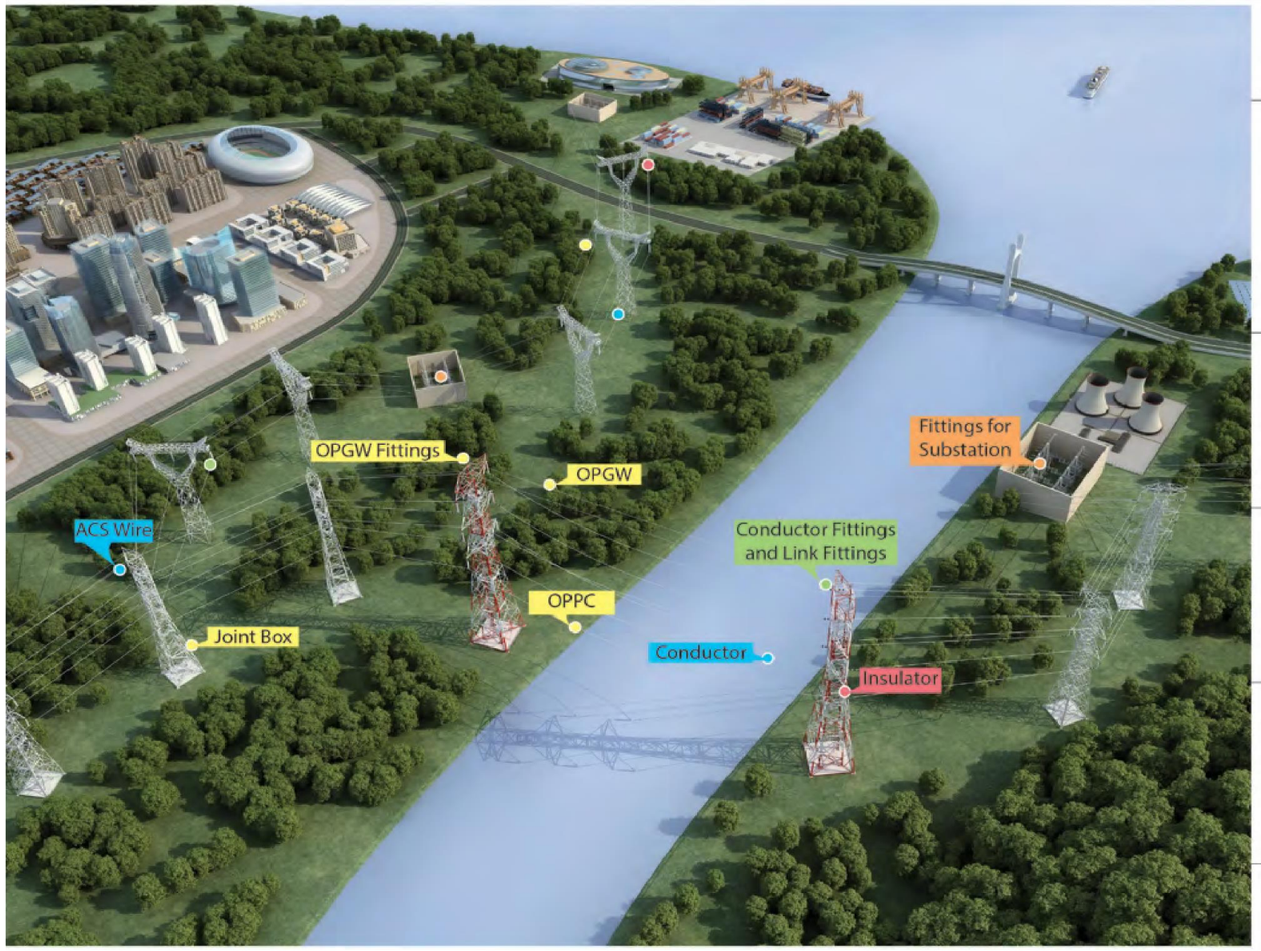
Wind Power Solutions

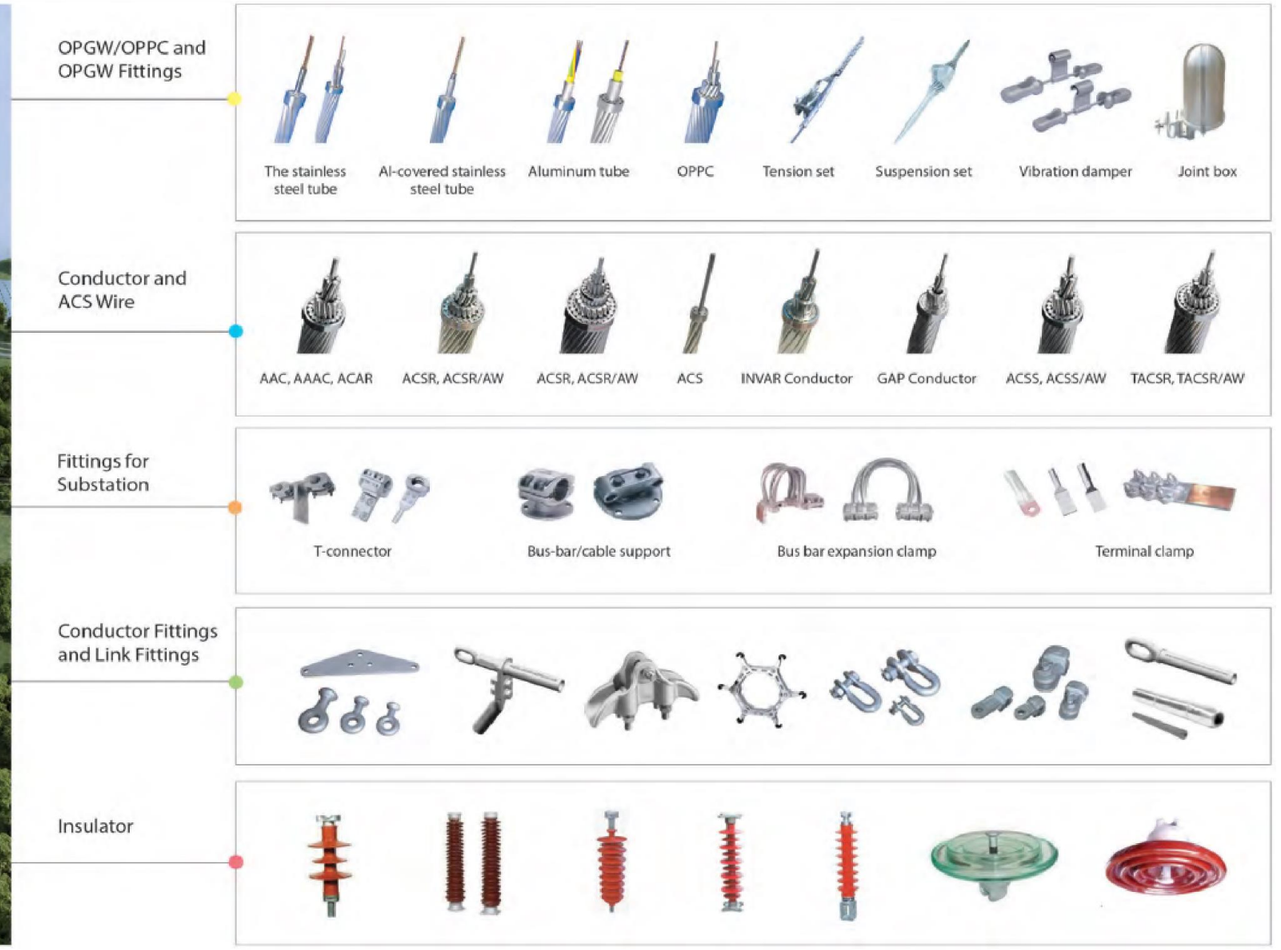


Power Transmission and Distribution Solution

Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

System Solutions for Power Transmission Line





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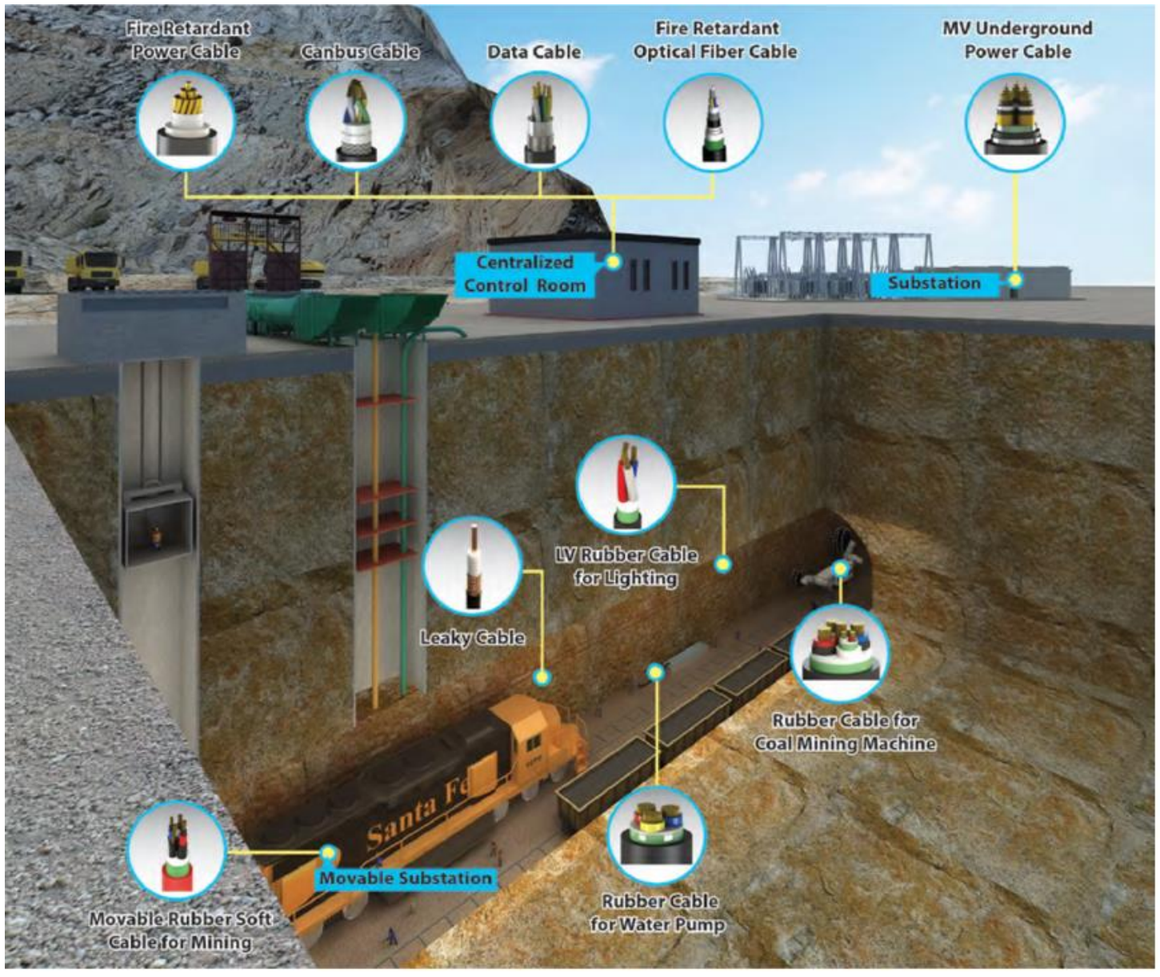
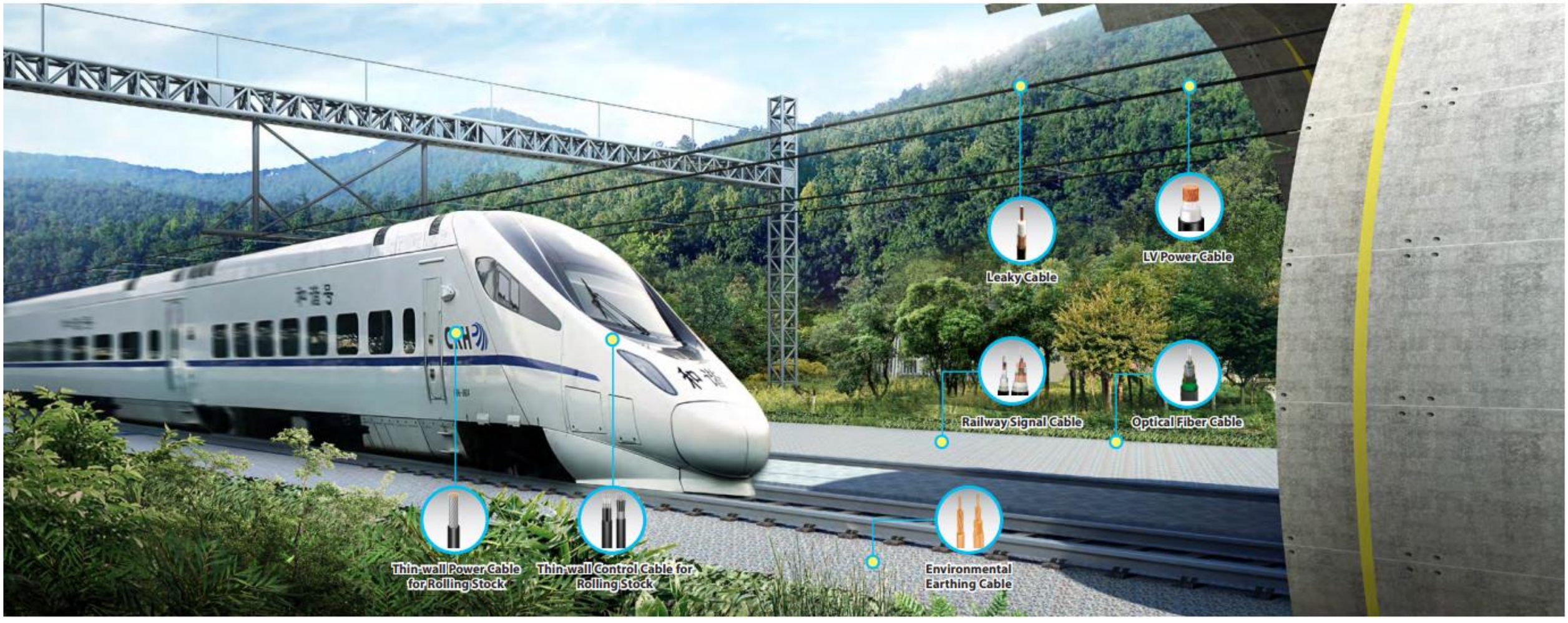
Mining Solution



Shipboard Cable Solution

 Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

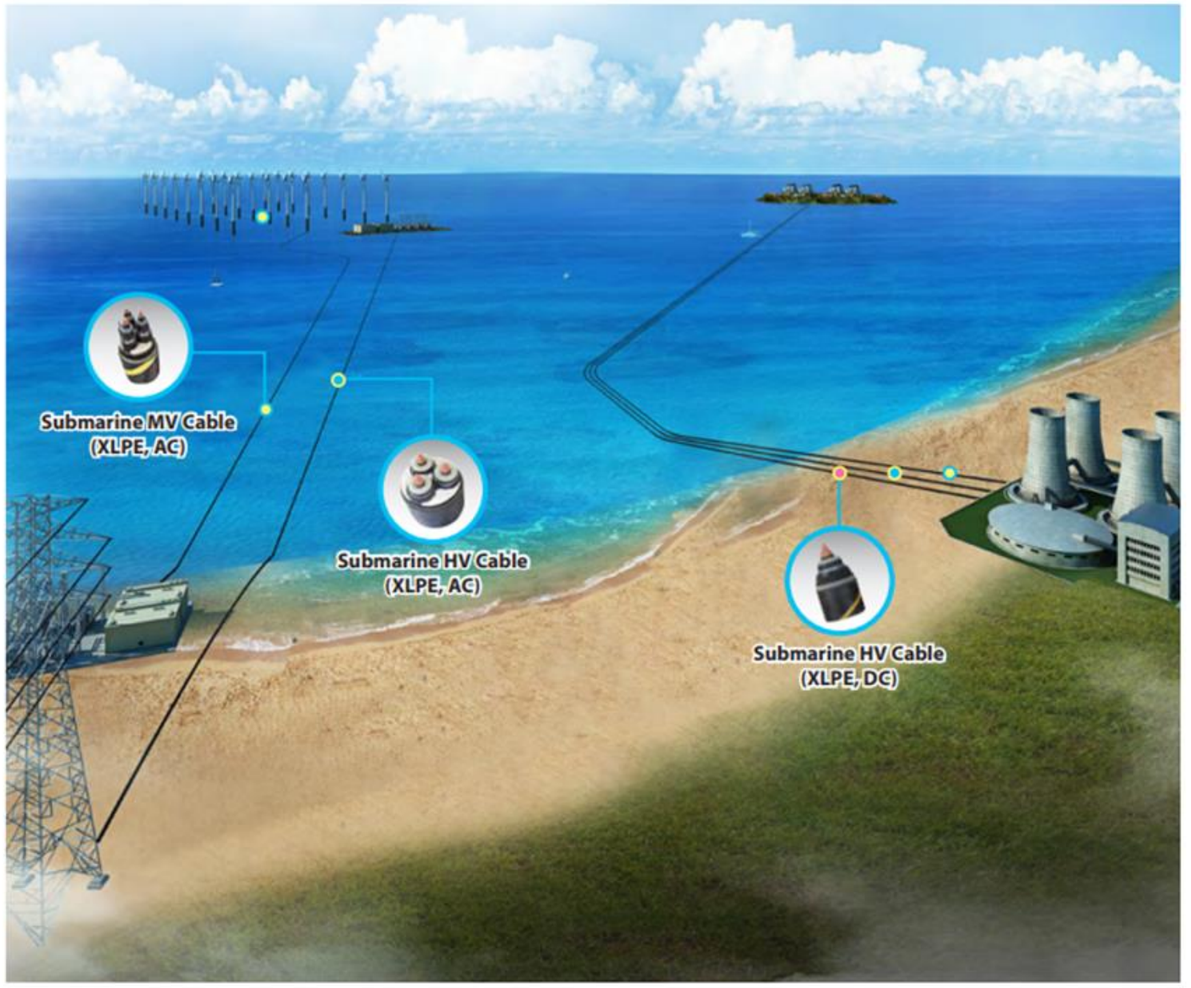
Railway & Rolling Stock Solution



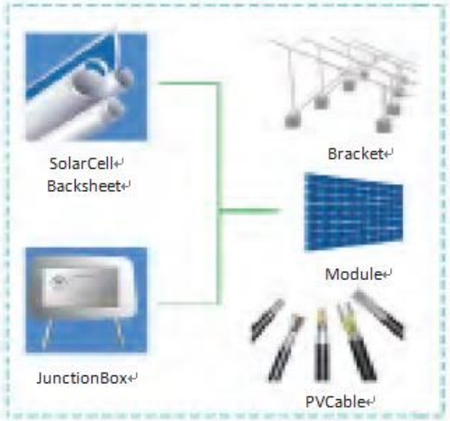
Drilling Platform Solution

1	2	3	4	5	6	7	8	9
MV Power Cable	LV Power Cable	Instrument Cable	VFD Power Cable	RF Cable	Antenna	Optical Fiber Cable	Submarine Composite Cable	UG MV Cable

Offshore Wind Power & Power Supply to Off-shore Island Solution



Solutions for New Energy System



 Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

Indoor Fiber Cables

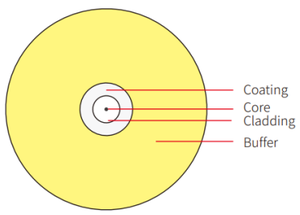
FMUSER offers a wide range of high-performance indoor fiber optic cables designed for efficient data transmission within buildings and controlled environments. With a durable structure comprising core, cladding, coating, and protective jacket, our cables ensure reliable connectivity. We provide multi-mode fiber (MMF) for shorter distances and single-mode fiber (SMF) for longer distances, along with connectors such as LC, SC, ST, and MTP/MPO for secure and reliable connections. Upgrade to FMUSER's indoor fiber optic cables to enhance data transfer, improve signal quality, and optimize network performance in applications like telecommunications, LANs, data centers, and more.

Contact us today to discuss your requirements and find the perfect fiber optic cable to support your organization's communication infrastructure.

Our comprehensive selection:

- Tight-Buffered Fiber - Interconnect Cable
- Simplex Round Indoor Cable - Interconnect Cable
- Duplex Flat Indoor Cable - Interconnect Cable
- Duplex Flat Indoor Cable - Interconnect Cable
- Multi-Fiber Distribution Cable I & II - Indoor Cabling System
- Multi-Fiber Breakout Indoor Cable - Indoor Cabling System
- Optical Fiber Ribbon Indoor Cable - Indoor Cabling System
- Bow-Type Drop Cable - FTTx Drop Cable
- Round-Type Drop Cable - FTTx Drop Cable
- Armored Bow-Type Drop Cable - FTTx Drop Cable
- Optical Cable for Wireless Remote Radio Unit I, II, III, IV, V, VI, VII - FTTx Drop Cable
- Easy Branches Indoor Riser Cable I & II - Indoor Multi-fiber Riser Cable
- MPO Patch Cord I, II, III - MPO Jumper Wire

Tight Buffered Fiber (Interconnect）



Technical data

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.

Applications

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

MAX 70℃ Max. operating temperature
MIN -20℃ Min. operating temperature
Installation tempreture Min 0°C
Flame retardant

Fiber Transmission Performance

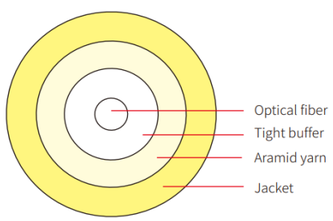
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			Short term	Long term	Short term	Long term	Dynamic	Static
Tight Buttffer Fiber	1	0.5	/	/	100	50	60	30
Tight Buttffer Fiber	1	0.6	/	/	100	50	60	30
Tight Buttffer Fiber	1	0.7	/	/	100	50	60	30
Tight Buttffer Fiber	1	0.8	/	/	100	50	60	30
Tight Buttffer 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.

Simplex Round Indoor Cable (Interconnect）



Technical data

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.

Applications

Indoor cabling;
Pigtail and patch cord in communication equipments.

MAX 70℃ Max. operating temperature
MIN -20℃ Min. operating temperature
Installation tempreture Min 0°C
Flame retardant

Fiber Transmission Performance

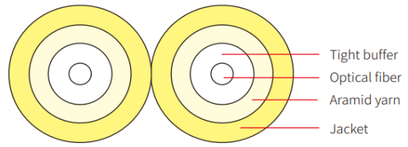
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

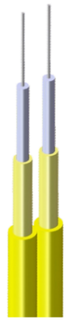
Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			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.

Duplex Flat Indoor Cable (Interconnect)





Technical data

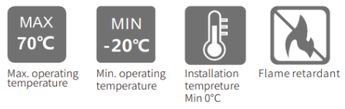
Fiber: Up to 2, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Duplex cable
Strength Member: Aramid yarn
Sheath Options: Single LSZH/PVC sheath
Operating Temperature: -20°C~+70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

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

Applications

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



Fiber Transmission Performance

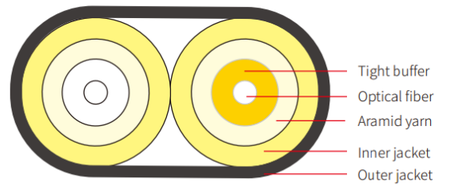
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

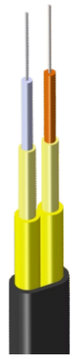
Technical Specification

Cable type	Fiber counts	Cable dimension (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJFJBH(V)	2	1.6×3.3	120	60	500	200	60	30
GJFJBH(V)	2	1.8×3.7	120	60	500	200	60	30
GJFJBH(V)	2	2.0×4.1	120	60	500	200	60	30
GJFJBH(V)	2	2.4×4.9	240	120	500	200	60	30
GJFJBH(V)	2	2.5×5.1	240	120	500	200	60	30
GJFJBH(V)	2	2.8×5.7	240	120	500	200	60	30
GJFJBH(V)	2	3.0×6.1	240	120	500	200	60	30

Notes：1. The above parameters are typical value； 2. The cable spec can be designed according to customer's requirement.

Duplex Flat Indoor Cable (Interconnect)





Technical data

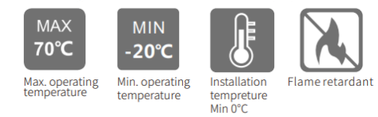
Fiber: Up to 2, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Duplex cable
Strength Member:Aramid yarn
Sheath Options: Double LSZH sheath
Operating Temperature: -20°C~+70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

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

Applications

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



Fiber Transmission Performance

Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable dimension (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			Short term	Long term	Short term	Long term	Dynamic	Static
GJFJBHH	2	3.1×4.9	120	60	1000	400	20H	10H
GJFJBHH	2	4.0×7.0	240	120	1000	400	20H	10H
GJFJBHH	2	4.4×7.4	240	120	1000	400	20H	10H

Notes：1. H 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.

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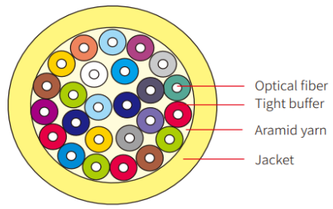
Multi Fibers Distribution Indoor Cable I (In-



Technical data

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.

Applications

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

Fiber Transmission Performance

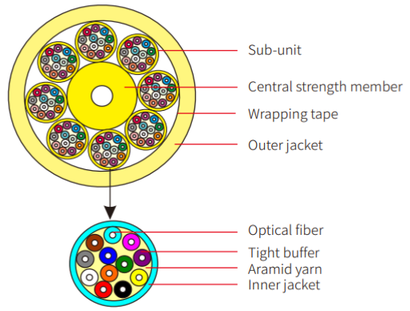
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)				Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			Short term		Long term		Short term	Long term	Dynamic	Static
			Horizontal	Vertical	Horizontal	Vertical				
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.

Multi Fibers Distribution Indoor Cable II



Technical data

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.

Applications

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

Fiber Transmission Performance

Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

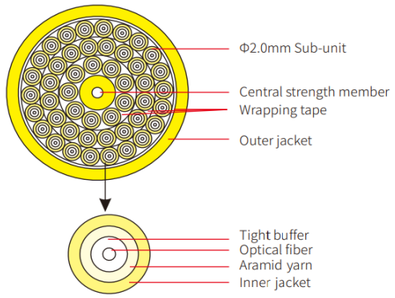
Technical Specification

Cable type	Fiber counts	Sub-unit			Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
		Fiber counts	Unit counts	Diameter (mm)		Short term	Long term	Short term	Long term	Dynamic	Static
GJPFJH(V)	24	6	4	4.5	13.8	1200	600	1200	600	20D	10D
GJPFJH(V)	36	6	6	4.5	16.8	1600	800	1200	600	20D	10D
GJPFJH(V)	48	12	4	5.5	16.8	1600	800	1200	600	20D	10D
GJPFJH(V)	72	12	6	5.5	19.9	2000	1000	1200	600	20D	10D
GJPFJH(V)	96	12	8	5.5	23.2	3000	1700	1200	600	20D	10D
GJPFJH(V)	144	12	12	5.5	26.5	3500	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.

Fmuser

Multi Fibers Breakout Indoor Cable



Technical data

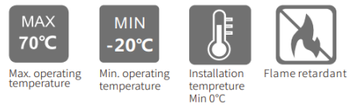
Fiber: Up to 60, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Multi-fiber breakout cable
Strength Member:Aramid yarn and FRP
Sheath Options: Double LSZH/PVC sheath
Operating Temperature: -20°C~+70°C
Compliances: In Accordance with IEC, ITU and EIA standards

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.

Applications

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



Fiber Transmission Performance

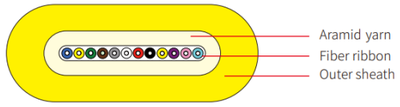
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Sub-unit diameter (mm)	Cable structure	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
					Short term	Long term	Short term	Long term	Dynamic	Static
GJBFJH(V)	4	2.0	1+4	7.5	400	200	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.

Optical Fiber Ribbon Indoor Cable



Technical data

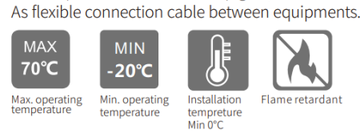
Fiber: Up to 12
Fiber Types: Single-mode or multimode
Cable Types: Ribbon fiber
Strength Member: Aramid yarn
Sheath Options: Single LSZH/PVC sheath
Operating Temperature: -20°C~+70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

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

Applications

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



Fiber Transmission Performance

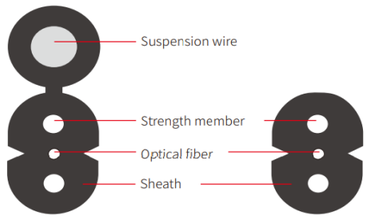
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable dimension (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			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. H denotes the height of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.

FTTx Bow-type Drop Cable



Technical data

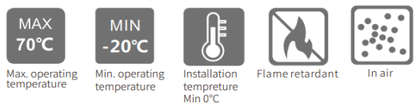
Fiber: Up to 12
Fiber Types: Single-mode or multimode
Cable Types: Bow-type drop cable
Strength Member:(K)FRP or steel wire
Sheath Options: Single LSZH sheath
Operating Temperature: -20°C~+70°C
Compliances: In Accordance with IEC, ITU and EIA standards

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 forself-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.

Applications

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



Fiber Transmission Performance

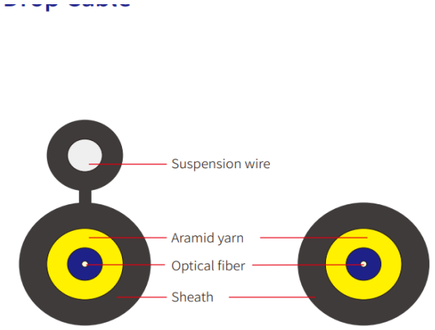
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable dimension (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			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	80	40	1000	500	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 Round Type Drop Cable



Technical data

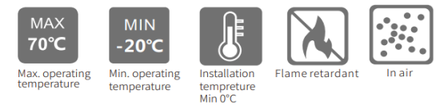
Fiber: Up to 4, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Round drop cable
Strength Member:Aramid yarn
Sheath Options: Single LSZH sheath
Operating Temperature: -20°C~+70°C
Compliances: In Accordance with IEC, ITU and EIA standards

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.

Applications

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



Fiber Transmission Performance

Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

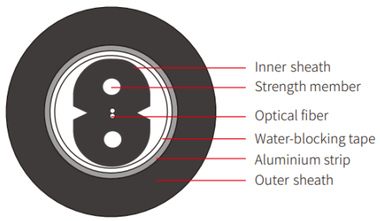
Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			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	3.5×6.5	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.

Fmuser

FTTx Armored Bow-type Drop Cable



Technical data

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.

Applications

Used in indoor/outdoor cabling;
Drop in duct.

MAX 70°C — Max. operating temperature
MIN -20°C — Min. operating temperature
Installation tempreture Min 0°C
Flame retardant

Fiber Transmission Performance

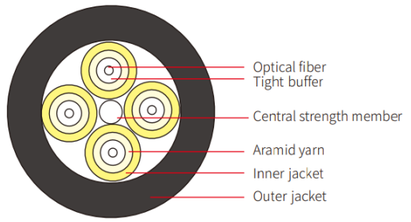
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Unit dimension (mm)	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
				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 Optical Cable For Wireless Remote Radio Unit Ⅰ



Technical data

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

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.

Applications

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

MAX 80°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
Flame retardant

Fiber Transmission Performance

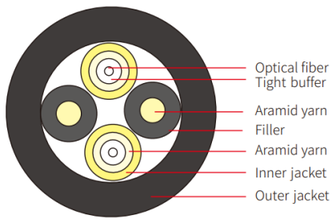
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			Short term	Long term	Short term	Long term	Dynamic	Static
GYFJH	2	7.0	500	250	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.

Optical Cable For Wireless Remote Radio Unit Ⅱ



Technical data

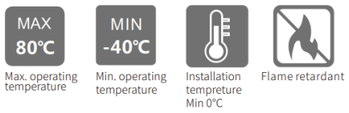
Fiber: Up to 4, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Remote radio unit cable
Strength Member:Aramid yarn
Sheath Options: Double LSZH sheath
Operating Temperature: -40°C~+80°C
Compliances:In accordance with IEC, ITU and EIA standards

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.

Applications

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



Fiber Transmission Performance

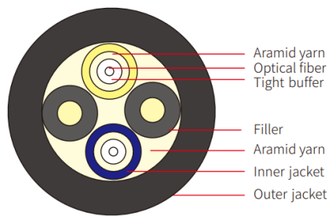
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			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.

Optical Cable For Wireless Remote Radio Unit Ⅲ



Technical data

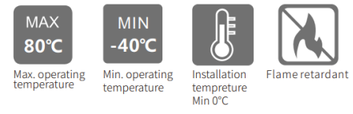
Fiber: Up to 4, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Remote radio unit cable
Strength Member:Aramid yarn
Sheath Options: Double LSZH sheath
Operating Temperature: -40°C~+80°C
Compliances:In accordance with IEC, ITU and EIA standards

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.

Applications

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



Fiber Transmission Performance

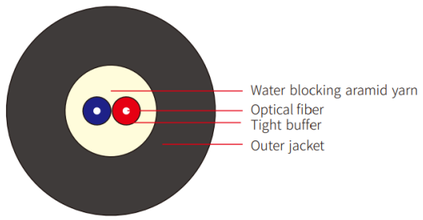
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			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.

Optical Cable For Wireless Remote Radio Unit Ⅳ



Technical data

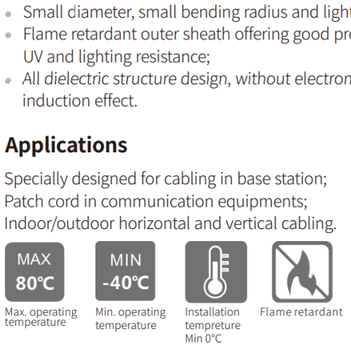
Fiber: Up to 4, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Remote radio unit cable
Strength Member:Aramid yarn
Sheath Options: Single LSZH sheath
Operating Temperature: -40°C~+80°C
Compliances:In accordance with IEC, ITU and EIA standards

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.

Applications

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



Fiber Transmission Performance

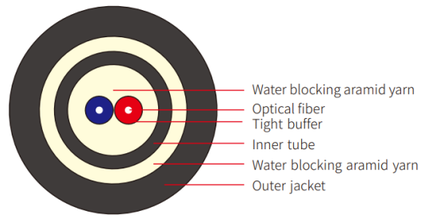
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			Short term	Long term	Short term	Long term	Dynamic	Static
GYFJZY	2	7.0	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.

Optical Cable For Wireless Remote Radio Unit Ⅴ



Technical data

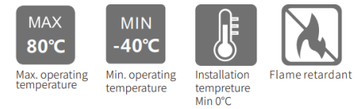
Fiber: Up to 2, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Remote radio unit cable
Strength Member:Aramid yarn
Sheath Options: Double LSZH sheath
Operating Temperature: -40°C~+80°C
Compliances:In accordance with IEC, ITU and EIA standards

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.

Applications

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



Fiber Transmission Performance

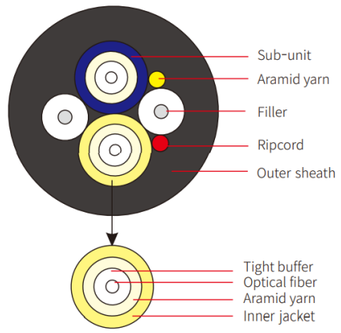
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Central tube diameter (mm)	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
				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.

Optical Cable For Wireless Remote Radio Unit Ⅵ



Technical data

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: -20°C~+70°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.

Applications

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

MAX 70℃ Max. operating temperature
MIN -20℃ Min. operating temperature
Installation tempreture Min 0°C
Flame retardant

Fiber Transmission Performance

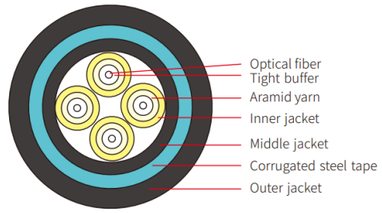
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Sub-unit diameter (mm)	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
				Short term	Long term	Short term	Long term	Dynamic	Static
GJBFJV	2	2.5	7.0	400	200	2000	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.

Optical Cable For Wireless Remote Radio Unit Ⅶ



Technical data

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.

Applications

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

MAX 80℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0°C
Flame retardant

Fiber Transmission Performance

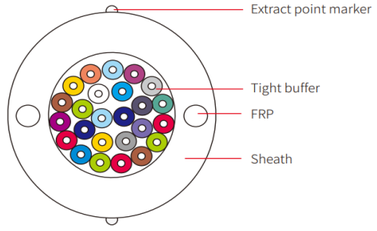
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Unit diameter (mm)	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
				Short term	Long term	Short term	Long term	Dynamic	Static
GYJH53	1	2.0/7.0	10.5	500	250	2200	1000	20D	10D
GYJH53	2	2.0/7.0	10.5	500	250	2200	1000	20D	10D
GYJH53	4	2.0/7.0	10.5	500	250	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.

Easy Branches Indoor Riser Cable Ⅰ



Technical data

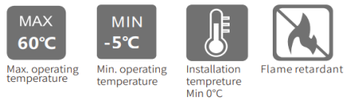
Fiber: Up to 24, tight buffered fiber
Fiber Types: Single-mode or multimode
Cable Types: Multi-fiber riser cable
Strength Member: Parallel FRP
Sheath Options: Single LSZH sheath
Operating Temperature: -5°C~+60°C
Compliances:In accordance with IEC, ITU and EIA standards

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.

Applications

Indoor horizontal and vertical cabling.



Fiber Transmission Performance

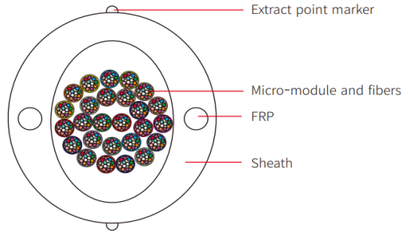
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	FRP diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
				Short term	Long term	Short term	Long term	Dynamic	Static
GJPFXJH	2	7.5	1.2	500	250	1000	500	20D	10D
GJPFXJH	4	7.5	1.2	500	250	1000	500	20D	10D
GJPFXJH	6	8.0	1.2	500	250	1000	500	20D	10D
GJPFXJH	8	8.0	1.2	500	250	1000	500	20D	10D
GJPFXJH	12	9.0	1.2	500	250	1000	500	20D	10D
GJPFXJH	16	10.5	1.2	500	250	1000	500	20D	10D
GJPFXJH	18	10.5	1.2	500	250	1000	500	20D	10D
GJPFXJH	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.

Easy Branches Indoor Riser Cable Ⅱ



Technical data

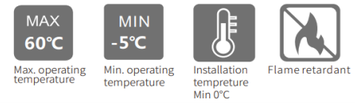
Fiber: Up to 288
Fiber Types: Single-mode or multimode
Cable Types: Multi-fiber riser cable
Strength Member: Parallel FRP
Sheath Options: Single LSZH sheath
Operating Temperature: -5°C~+60°C
Compliances:In accordance with IEC, ITU and EIA standards

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.

Applications

Indoor horizontal and vertical cabling.



Fiber Transmission Performance

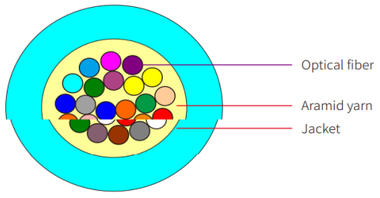
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Sub-unit			FRP diameter (mm)	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
		Fiber counts	Unit counts	Diameter (mm)			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 Patch Cord Ⅰ



Technical data

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.

Applications

Indoor cabling, as fan-out cable.

MAX 70℃ Max. operating temperature
MIN -20℃ Min. operating temperature
Installation tempreture Min 0°C
Flame retardant

Fiber Transmission Performance

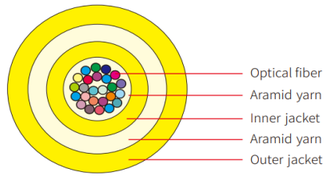
Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

Technical Specification

Cable type	Fiber counts	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
			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 Patch Cord Ⅱ



Technical data

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

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.

Applications

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

MAX 70℃ Max. operating temperature
MIN -20℃ Min. operating temperature
Installation tempreture Min 0°C
Flame retardant

Fiber Transmission Performance

Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

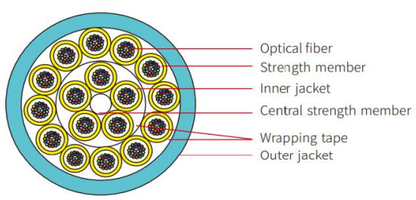
Technical Specification

Cable type	Fiber counts	Central tube dimension (mm)	Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
				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.

Fmuser

MPO Patch Cord Ⅲ



Technical data

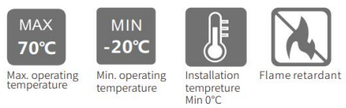
Fiber: Up to 288
Fiber Types: Single-mode or multimode
Cable Types: MPO cable
Strength Member: Aramid yarn
Sheath Options: LSZH/PVC
Operating Temperature: -20°C~+70°C
Compliances: In accordance with IEC, ITU and EIA standards

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;
- 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.

Applications

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



Technical Specification

Cable type	Fiber counts	Sub-unit			Cable diameter (mm)	Tensile Strength(N)		Crush Resistance(N/100mm)		Minimum bend radius(mm)	
		Fiber counts	Unit counts	Diameter (mm)		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.

Fiber Transmission Performance

Cabled Optical fiber	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.657 (1310nm / 1550nm)
Max attenuation(dB/km)	3.5/1.5	3.5/1.5	0.4/0.3	0.4/0.3
Typical value(dB/km)	3.0/1.0	3.0/1.0	0.36/0.22	0.36/0.22

General Outdoor Fibers

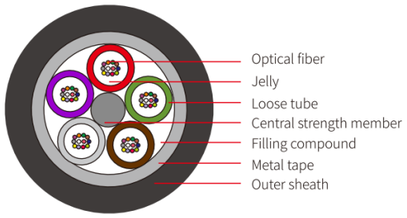
FMUSER offers a wide range of fiber optic cables for reliable and efficient connectivity. Our portfolio includes various types to meet diverse requirements. Each cable is designed for specific installation needs, ensuring reliable transmission and optimal performance. Trust FMUSER for high-quality, seamless connectivity for your applications.

1. Duct and non-self-supporting aerial cables, designed for installation in ducts or aerial applications, ensuring robust and dependable connectivity:
   - GYTA
   - GYTS
   - GYFTY
   - GTFTA
   - GYFTW
   - GYXTW
   - GYXTS
2. For Direct-buried applications, we provide durable and reliable connections, with the ability to withstand challenging burial environments.:
   - GYTY53
   - GYTA53
   - GYFTY53
   - GYFTA53
3. The ADSS (All Dielectric Self-Supporting) cable is specifically designed for aerial installations, offering excellent dielectric properties and self-supporting capabilities. This cable ensures reliable transmission while withstanding environmental factors.:
   - ADSS
4. Our ribbon optic fiber cables rovide high-density connectivity with enhanced performance, making them ideal for applications that require efficient management of multiple fibers.:
   - GYDTA
   - GYDTS
   - GYDXTW
   - GYDGA
5. For self-supporting aerial applications, we offer a robust and reliable solution, featuring a figure 8 configuration that enables secure installation in various environments. Figure 8 self-supporting aerial optic fiber cables:
   - GYTC8Y
   - GYTC8A
   - GYTC8S
   - GYXTC8S
6. To address shallow water applications, we provide cables designed to withstand the challenges of underwater installations while maintaining excellent signal transmission:
   - GYTA33
   - GYTS333

Fiber Intallation in Ducts & Aerial Applications

Our duct and non-self-supporting aerial cables, including GYTA, GYTS, GYFTY, GTFTA, GYFTW, GYXTW, GYXTS, are designed for installation in ducts or aerial applications, ensuring robust and dependable connectivity.

GYTA



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape

Applications

Duct and non-self supporting aerial

MAX 70℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0℃
In air
In conduit

Fiber Transmission Performance

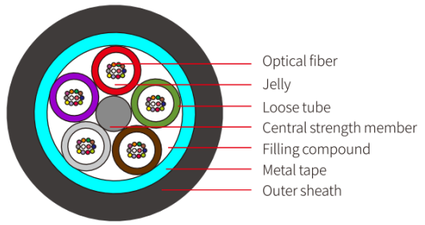
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTA	30	1500	600	1000	300	20D	10D	8.9	75
GYTA	36	1500	600	1000	300	20D	10D	9.3	88
GYTA	60	1500	600	1000	300	20D	10D	9.9	93
GYTA	72	1500	600	1000	300	20D	10D	10.5	116
GYTA	96	1500	600	1000	300	20D	10D	12.1	145
GYTA	120	1500	600	1000	300	20D	10D	13.5	172
GYTA	144	1500	600	1000	300	20D	10D	15.0	204

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.

GYTS



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Duct and non-self supporting aerial

MAX 70℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0℃
In air
In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

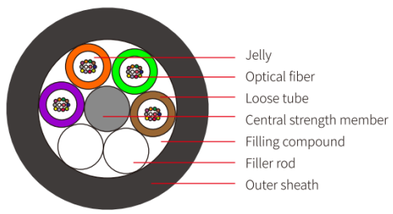
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTS	30	1500	600	1000	300	20D	10D	9.1	92
GYTS	36	1500	600	1000	300	20D	10D	9.4	105
GYTS	60	1500	600	1000	300	20D	10D	10.0	112
GYTS	72	1500	600	1000	300	20D	10D	10.6	136
GYTS	96	1500	600	1000	300	20D	10D	12.1	165
GYTS	120	1500	600	1000	300	20D	10D	13.5	195
GYTS	144	1500	600	1000	300	20D	10D	15.0	231

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.

Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

GYFTY



Technical data

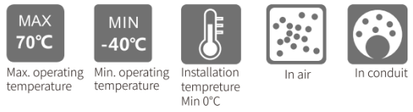
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Perfect lightning protection effect with all-dielectric materials

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

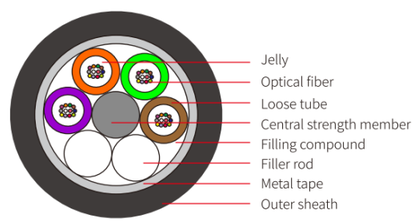
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTY	36	1500	600	1000	300	20D	10D	9.7	79
GYFTY	48	1500	600	1000	300	20D	10D	10.9	105
GYFTY	72	1500	600	1000	300	20D	10D	11.1	103
GYFTY	96	1500	600	1000	300	20D	10D	12.7	136
GYFTY	120	1500	600	1000	300	20D	10D	14.2	167
GYFTY	144	1500	600	1000	300	20D	10D	15.9	204
GYFTY	288	1500	600	1000	300	20D	10D	18.3	270

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.

GTFTA



Technical data

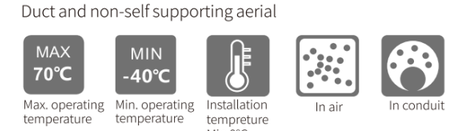
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

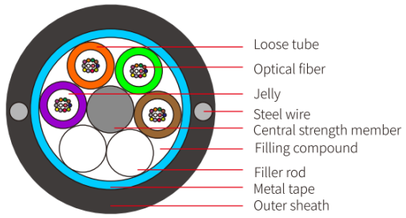
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTA	36	1500	600	1000	300	20D	10D	10.2	87
GYFTA	48	1500	600	1000	300	20D	10D	11.4	111
GYFTA	72	1500	600	1000	300	20D	10D	11.6	112
GYFTA	96	1500	600	1000	300	20D	10D	13.4	152
GYFTA	120	1500	600	1000	300	20D	10D	14.9	185
GYFTA	144	1500	600	1000	300	20D	10D	16.6	224
GYFTA	288	1500	600	1000	300	20D	10D	19.0	288

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.

GYFTW



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP and parallel Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Duct and non-self supporting aerial

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
In air
In conduit

Fiber Transmission Performance

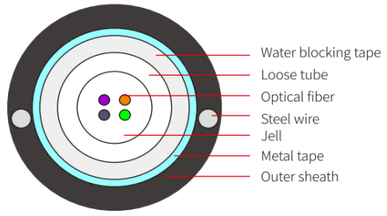
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTW	36	2700	1000	2200	1000	20D	10D	12.0	146
GYFTW	72	2700	1000	2200	1000	20D	10D	13.4	179
GYFTW	96	2700	1000	2200	1000	20D	10D	15.0	219
GYFTW	120	2700	1000	2200	1000	20D	10D	16.6	262
GYFTW	144	2700	1000	2200	1000	20D	10D	18.2	312

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.

GYXTW



Technical data

Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Parallel Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moistre corrugated steel tape

Applications

Duct and non-self supporting aerial

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
In air
In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYXTW	6	1500	600	1000	300	20D	10D	8.3	74
GYXTW	12	1500	600	1000	300	20D	10D	8.5	75
GYXTW	18	1500	600	1000	300	20D	10D	8.9	83
GYXTW	24	1500	600	1000	300	20D	10D	9.3	87
GYXTW	6	3000	1000	1000	300	20D	10D	9.2	98
GYXTW	12	3000	1000	1000	300	20D	10D	9.4	99
GYXTW	18	3000	1000	1000	300	20D	10D	9.8	109

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.

 Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

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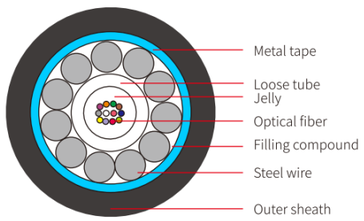
GYXTS



Technical data

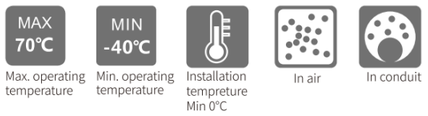
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYXTS	6	1500	600	1000	300	20D	10D	9.0	110
GYXTS	12	1500	600	1000	300	20D	10D	9.2	122
GYXTS	6	3000	1000	1000	300	20D	10D	9.4	129
GYXTS	12	3000	1000	1000	300	20D	10D	9.6	142

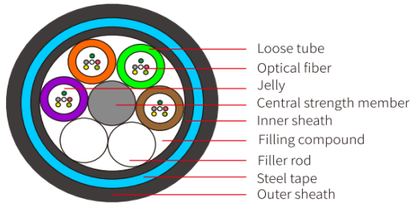
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.

Fiber Intallation in Direct-buried Applications

For direct burial applications, our GYTY53, GYTA53, GYFTY53, and GYFTA53 cables provide durable and reliable connections, with the ability to withstand challenging burial environments.

Fmuser

GYTY53



Technical data

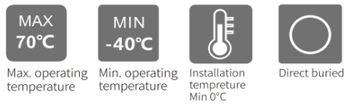
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Double PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with singe armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Direct buried



Fiber Transmission Performance

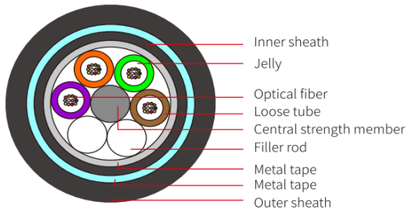
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTY53	36	3000	1000	3000	1000	25D	12.5D	11.6	161
GYTY53	60	3000	1000	3000	1000	25D	12.5D	12.2	171
GYTY53	72	3000	1000	3000	1000	25D	12.5D	12.8	198
GYTY53	96	3000	1000	3000	1000	25D	12.5D	14.1	234
GYTY53	120	3000	1000	3000	1000	25D	12.5D	15.5	269
GYTY53	144	3000	1000	3000	1000	25D	12.5D	17.0	311

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.

GYTA53



Technical data

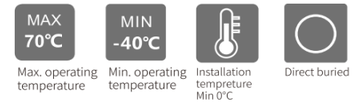
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Double PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with double armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape and steel tape

Applications

Direct buried



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

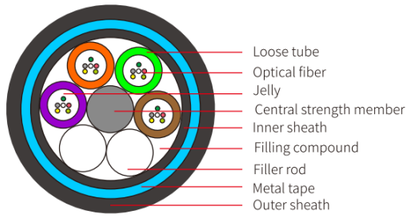
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTA53	36	3000	1000	3000	1000	25D	12.5D	12.4	161
GYTA53	60	3000	1000	3000	1000	25D	12.5D	13.0	171
GYTA53	72	3000	1000	3000	1000	25D	12.5D	13.6	198
GYTA53	96	3000	1000	3000	1000	25D	12.5D	15.0	234
GYTA53	120	3000	1000	3000	1000	25D	12.5D	16.4	269
GYTA53	144	3000	1000	3000	1000	25D	12.5D	17.9	311

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.

Fmuser

GYFTY53



Technical data

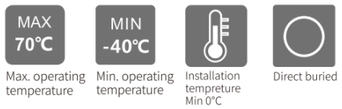
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with single armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Direct buried



Fiber Transmission Performance

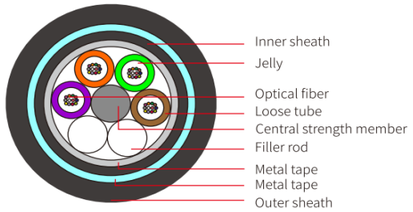
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTY53	48	3000	1000	3000	1000	25D	12.5D	13.6	174
GYFTY53	96	3000	1000	3000	1000	25D	12.5D	15.4	217
GYFTY53	120	3000	1000	3000	1000	25D	12.5D	16.9	256
GYFTY53	144	3000	1000	3000	1000	25D	12.5D	18.6	303
GYFTY53	288	3000	1000	3000	1000	25D	12.5D	21.0	377

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.

GYFTA53



Technical data

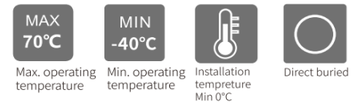
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with double armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape and steel tape

Applications

Duct and direct buried



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTA53	48	3000	1000	3000	1000	25D	12.5D	14.5	192
GYFTA53	96	3000	1000	3000	1000	25D	12.5D	16.3	242
GYFTA53	120	3000	1000	3000	1000	25D	12.5D	17.8	283
GYFTA53	144	3000	1000	3000	1000	25D	12.5D	19.5	333
GYFTA53	288	3000	1000	3000	1000	25D	12.5D	21.9	409

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.

ADSS Aerial Fiber

All dielectric self-supporting

The ADSS (All Dielectric Self-Supporting) cable is specifically designed for aerial installations, offering excellent dielectric properties and self-supporting capabilities. This cable ensures reliable transmission while withstanding environmental factors.

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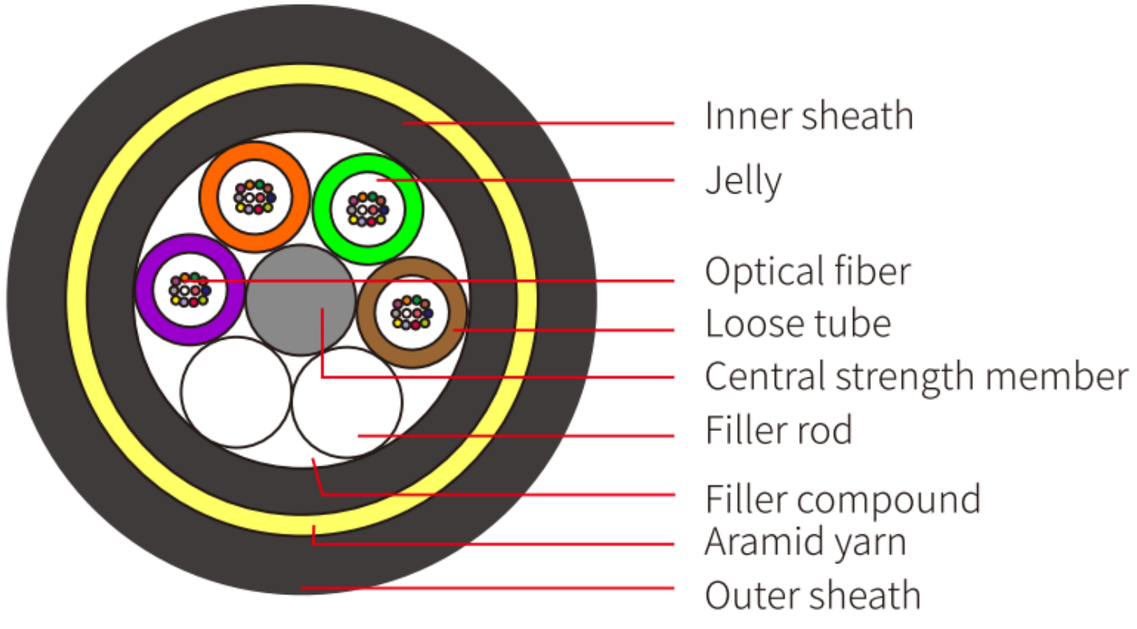
ADSS (All Dielectric Self-Supporting) cable



Technical data

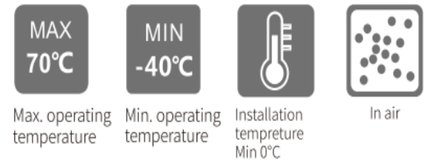
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Aramid yarn
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Gel-filled loose tube protect the fiber well
- All dielectric material good for application in thunder area
- Armored with aramid yarn

Applications

All dielectric self-supporting aerial



Max. operating temperature | Min. operating temperature | Installation tempreture Min 0°C | In air

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

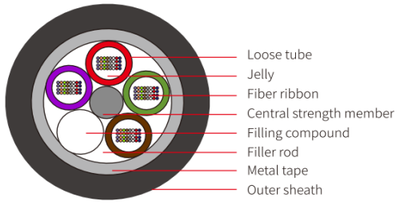
Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		RTS	MAT	Short term	Long term	Dynamic	Static		
ADSS	24	40000	16000	2200	1000	25D	12.5D	13.4	145
ADSS	36	40000	16000	2200	1000	25D	12.5D	13.9	155
ADSS	72	40000	16000	2200	1000	25D	12.5D	14.8	182
ADSS	96	40000	16000	2200	1000	25D	12.5D	16.4	220
ADSS	120	40000	16000	2200	1000	25D	12.5D	18.0	262
ADSS	144	40000	16000	2200	1000	25D	12.5D	18.9	290

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.

Ribbon Fiber Optic Cables

Our ribbon optic fiber cables, including GYDTA, GYDTS, GYDXTW, and GYDGA, provide high-density connectivity with enhanced performance, making them ideal for applications that require efficient management of multiple fibers.

GYDTA



Technical data

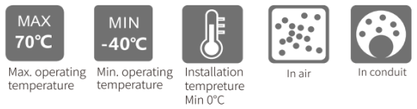
Fiber: Up to 864, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Hight fiber density
- Easy to install
- Armored with anti-moisture aluminum tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

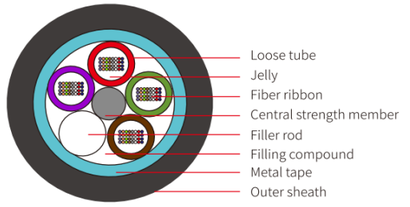
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYDTA	144	1500	600	1000	300	20D	10D	16.8	246
GYDTA	192	1500	600	1000	300	20D	10D	17.4	273
GYDTA	216	1500	600	1000	300	20D	10D	19.6	328
GYDTA	288	1500	600	1000	300	20D	10D	18.5	313
GYDTA	432	1500	600	1000	300	20D	10D	21.7	418
GYDTA	576	1500	600	1000	300	20D	10D	22.3	439

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.

GYDTS



Technical data

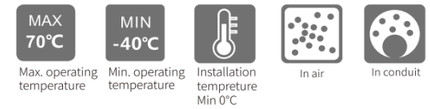
Fiber: Up to 864, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Hight fiber density
- Easy to install
- Armored with anti-moisture steel tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

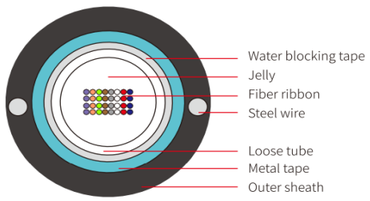
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYDTS	144	1500	600	1000	300	20D	10D	16.8	246
GYDTS	192	1500	600	1000	300	20D	10D	17.4	273
GYDTS	216	1500	600	1000	300	20D	10D	19.6	328
GYDTS	288	1500	600	1000	300	20D	10D	18.5	313
GYDTS	432	1500	600	1000	300	20D	10D	21.7	418
GYDTS	576	1500	600	1000	300	20D	10D	22.3	439

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.

Fmuser

GYDXTW



Technical data

Fiber: Up to 432, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Parallel steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Hight fiber density
- Easy to install
- Armored with anti-moisture steel tape

Applications

Duct and non-self supporting aerial

TLC

MAX 70℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0℃
In air
In conduit

Fiber Transmission Performance

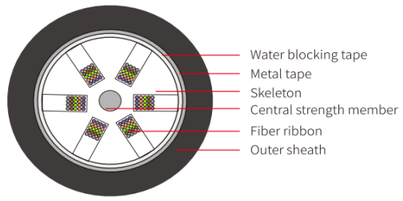
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYDXTW	48	1500	600	1000	300	20D	10D	13.4	172
GYDXTW	72	1500	600	1000	300	20D	10D	14.2	191
GYDXTW	96	1500	600	1000	300	20D	10D	14.6	201
GYDXTW	144	1500	600	1000	300	20D	10D	16.0	239
GYDXTW	216	1500	600	1000	300	20D	10D	18.0	298
GYDXTW	288	1500	600	1000	300	20D	10D	18.8	320
GYDXTW	432	1500	600	1000	300	20D	10D	20.3	372

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.

GYDGA



Technical data

Fiber: Up to 288, Dry material
Fiber Types: Single-mode and Multimode
Cable Constructions: Slotted core
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Hight fiber density
- Easy to install with dry structure
- Armored with anti-moisture aluminum tape

Applications

Duct and non-self supporting aerial

TLC

MAX 70℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0℃
In air
In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYDGA	72	3000	1000	3000	1000	25D	12.5D	17.3	280
GYDGA	96	3000	1000	3000	1000	25D	12.5D	17.3	281
GYDGA	120	3000	1000	3000	1000	25D	12.5D	18.5	307
GYDGA	144	3000	1000	3000	1000	25D	12.5D	19.1	325
GYDGA	216	3000	1000	3000	1000	25D	12.5D	21.7	398
GYDGA	288	3000	1000	3000	1000	25D	12.5D	22.4	426

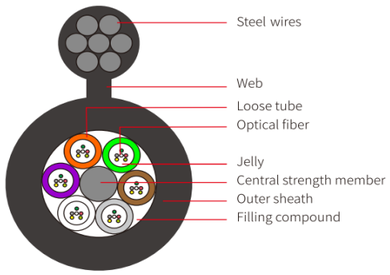
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.

Figure 8 Self-supporting Aerial Fiber Cables

For self-supporting aerial applications, our GYTC8Y, GYTC8A, GYTC8S, and GYXTC8S cables offer a robust and reliable solution, featuring a figure 8 configuration that enables secure installation in various environments.

Fmuser

GYTC8Y



Technical data

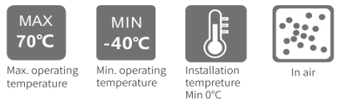
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well

Applications

Self-supporting aerial



Fiber Transmission Performance

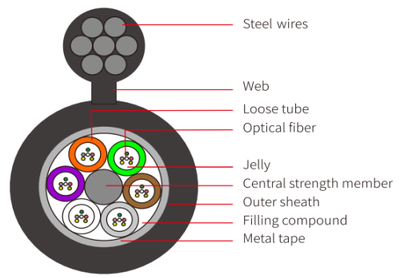
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTC8Y	30	3000	1000	1000	300	20D	10D	8.6×16.4	133
GYTC8Y	60	3000	1000	1000	300	20D	10D	9.6×17.4	155
GYTC8Y	30	4500	1500	1000	300	20D	10D	8.6×17.0	155
GYTC8Y	60	4500	1500	1000	300	20D	10D	9.6×18.0	177
GYTC8Y	30	7000	2000	1000	300	20D	10D	8.6×18.2	213
GYTC8Y	60	7000	2000	1000	300	20D	10D	9.6×19.2	234

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.

GYTC8A



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape

Applications

Self-supporting aerial

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

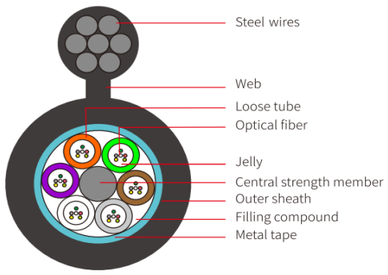
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTC8A	30	3000	1000	1000	300	20D	10D	9.1×16.9	142
GYTC8A	60	3000	1000	1000	300	20D	10D	10.1×17.9	165
GYTC8A	30	4500	1500	1000	300	20D	10D	9.1×17.5	164
GYTC8A	60	4500	1500	1000	300	20D	10D	10.1×18.5	187
GYTC8A	30	7000	2000	1000	300	20D	10D	9.1×18.7	222
GYTC8A	60	7000	2000	1000	300	20D	10D	10.1×19.7	245

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.

Fmuser

GYTC8S



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: Steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Self-supporting aerial

Fiber Transmission Performance

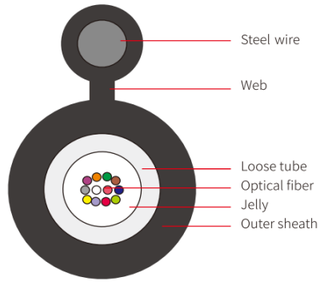
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTC8S	30	3000	1000	1000	300	20D	10D	9.1×16.9	156
GYTC8S	60	3000	1000	1000	300	20D	10D	10.1×17.9	182
GYTC8S	30	4500	1500	1000	300	20D	10D	9.1×17.5	178
GYTC8S	60	4500	1500	1000	300	20D	10D	10.1×18.5	204
GYTC8S	30	7000	2000	1000	300	20D	10D	9.1×18.7	236
GYTC8S	60	7000	2000	1000	300	20D	10D	10.1×19.7	261

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.

GYXTC8Y



Technical data

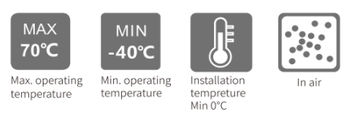
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well

Applications

Self-supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

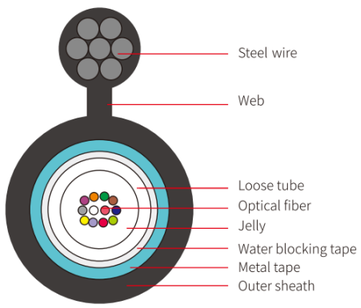
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYXTC8Y	12	1000	300	1000	300	20D	10D	5.1×10.2	47
GYXTC8Y	24	1000	300	1000	300	20D	10D	5.7×10.8	54
GYXTC8Y	12	3000	1000	1000	300	20D	10D	6.0×12.9	88
GYXTC8Y	24	3000	1000	1000	300	20D	10D	6.6×13.5	95

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.

 Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

GYXTC8S



Technical data

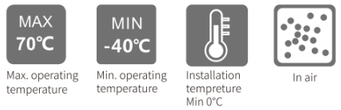
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Self-supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYXTC8S	12	3000	1000	1000	300	20D	10D	7.6×14.5	117
GYXTC8S	24	3000	1000	1000	300	20D	10D	8.5×15.4	128
GYXTC8S	12	4500	1500	1000	300	20D	10D	7.6×15.1	137
GYXTC8S	24	4500	1500	1000	300	20D	10D	8.5×16.0	148

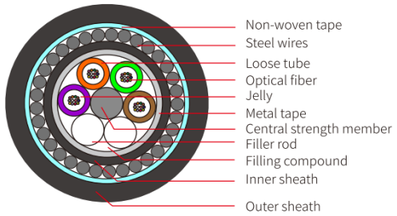
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.

Underwater Fiber for shallow water application

To address shallow water applications, we provide GYTA33 and GYTS333 cables, designed to withstand the challenges of underwater installations while maintaining excellent signal transmission.

Fmuser

GYTA33



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Double PE Sheath
Armor: Aluminum tape +steel wires
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good performance for crush and tensile
- Double sheath with double armor
- Armored with steel wires and anti-moisture aluminum tape

Applications

Shallow water and direct buried

MAX 70℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0°C
Direct buried
Under water

Fiber Transmission Performance

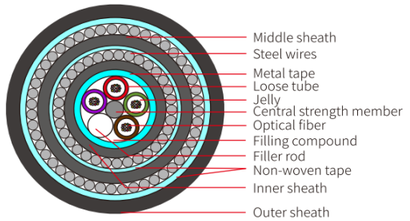
Cabled Optical fiber (dB/km)	62.5μm (OM1) (850nm/1300nm)	50μm (OM2) (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTA33	30	10000	4000	5000	3000	25D	12.5D	14.6	349
GYTA33	36	10000	4000	5000	3000	25D	12.5D	14.9	372
GYTA33	60	10000	4000	5000	3000	25D	12.5D	15.5	379
GYTA33	72	10000	4000	5000	3000	25D	12.5D	16.1	433
GYTA33	96	10000	4000	5000	3000	25D	12.5D	17.7	508
GYTA33	120	10000	4000	5000	3000	25D	12.5D	18.9	544
GYTA33	144	10000	4000	5000	3000	25D	12.5D	20.4	642

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.

GYTS333



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Triple PE Sheath
Armor: Corrugated steel tape +steel wires
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Triple sheath with triple armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture steel tape
- And two layers of steel wires

Applications

Shallow water and direct buried

MAX 70℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0°C
Direct buried
Under water

Cabled Optical fiber (dB/km)	62.5μm (OM1) (850nm/1300nm)	50μm (OM2) (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTS333	36	40000	20000	6000	4000	30D	15D	23.7	1339
GYTS333	60	40000	20000	6000	4000	30D	15D	23.9	1341
GYTS333	72	40000	20000	6000	4000	30D	15D	24.5	1419
GYTS333	96	40000	20000	6000	4000	30D	15D	25.1	1420
GYTS333	120	40000	20000	6000	4000	30D	15D	26.5	1541
GYTS333	144	40000	20000	6000	4000	30D	15D	26.8	1458

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.

Special Outdoor Fibers

FMUSER offers a comprehensive range of special fiber optic cables designed to meet specific requirements and provide reliable performance for various applications. Within our extensive portfolio, we offer a wide selection of these fiber types:

1. **All Dielectric Reinforced Optic Cables (GYFTY73, GYFTY83):** FMUSER's all dielectric reinforced optic cables are designed to provide exceptional strength and reliability. These cables are ideal for applications that require robust and durable fiber optic connectivity in various environments.

2. **U-tube Air-blowing Micro Optic Fiber Cable (GCYFY):** FMUSER's U-tube air-blowing micro optic fiber cable is specifically designed for air-blowing installation methods. It enables efficient and reliable fiber optic connectivity in various settings, ensuring high-speed data transmission.

3. **Drainage Pipe Optic Fiber Cable (GCYFY):** FMUSER's drainage pipe optic fiber cable is designed to be installed within drainage pipes, providing reliable fiber optic connectivity in challenging environments. This cable ensures efficient data transmission while withstanding the conditions within drainage systems.

4. **All Dielectric Self-supporting Drop Cables (GYFC8Y, GYFXTC8Y, GYFXTF, GYFXTW):** FMUSER's all dielectric self-supporting drop cables are specifically designed for easy and secure installation. These cables provide reliable and flexible fiber optic connectivity for drop applications, ensuring efficient data transmission with minimal installation complexity.

5. **Optical and Electrical Hybrid Cables for Access Network (GDTA, GDTS, GDFTA):** FMUSER's optical and electrical hybrid cables are designed for access network installations. These cables provide a combination of optical and electrical transmission capabilities, enabling efficient and reliable connectivity for access network applications.

6. **Anti-rodent Optic Fiber Cables (GDFTA74, GYFTA84, GYTA2SR3):** FMUSER's anti-rodent optic fiber cables are designed to withstand rodent damage, ensuring reliable and durable connectivity in environments prone to rodent interference. These cables are ideal for applications where rodent protection is essential.

7. **A-dry Type Optic Fiber Cables (GYFS, GYFY, ADSS):** FMUSER's A-dry type optic fiber cables are designed with dry water-blocking materials to provide reliable performance in moisture-prone environments. These cables ensure efficient data transmission and excellent protection against water damage.

8. **Flame-retardant Optic Fiber Cables (GYZA, GYFZY):** FMUSER's flame-retardant optic fiber cables are specifically designed to prevent the spread of flames in case of fire incidents. These cables offer reliable fiber optic connectivity with enhanced fire safety features for peace of mind.

9. **Groove Optic Fiber Cables (GLXTW, GLXT8W):** FMUSER's groove optic fiber cables feature a unique groove design for easy installation and protection. These cables provide reliable fiber optic connectivity, ensuring efficient transmission and enhanced installation convenience.

10. **Easily Recognized Optic Fiber Cable (GLXTC8S):** FMUSER's easily recognized optic fiber cable is designed with a distinctive appearance for easy identification and installation. This cable ensures efficient and reliable fiber optic connectivity while simplifying installation processes.

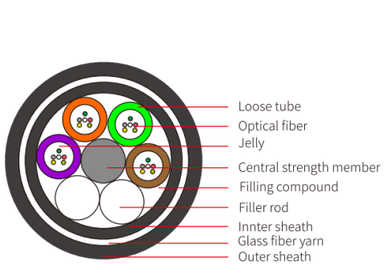
11. **High Flame-retardant and Fire-resistant Cables (GYFZS):** FMUSER's high flame-retardant and fire-resistant cables are designed to provide exceptional fire safety features in critical applications. These cables offer reliable connectivity while minimizing fire risks and ensuring enhanced protection.

All Dielectric

Reinforced Optic Cables

FMUSER's all dielectric reinforced optic cables, **GYFTY73 and GYFTY83**, are designed to provide exceptional strength and reliability. These cables are ideal for applications that require robust and durable fiber optic connectivity in various environments.

GYFTY73



Technical data

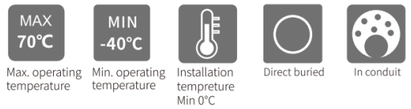
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Glass fiber yarn
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with a layer of glass fiber yarn
- Gel-filled loose tube protect the fiber well
- Armored with glass fiber yarn

Applications

Direct buried and duct



Fiber Transmission Performance

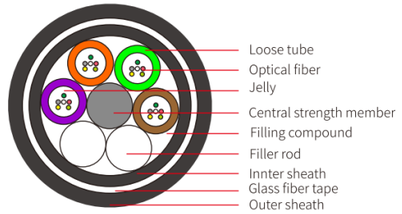
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTY73	36	3000	1000	3000	1000	25D	12.5D	12.5	133
GYFTY73	72	3000	1000	3000	1000	25D	12.5D	13.9	160
GYFTY73	96	3000	1000	3000	1000	25D	12.5D	15.4	207
GYFTY73	120	3000	1000	3000	1000	25D	12.5D	16.9	246
GYFTY73	144	3000	1000	3000	1000	25D	12.5D	18.4	287

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.

GYFTY83



Technical data

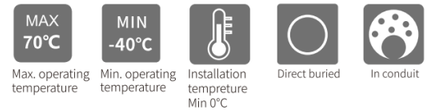
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Glass fiber tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with a layer of glass fiber tape
- Gel-filled loose tube protect the fiber well
- Armored with fiber glass tape

Applications

Direct buried and duct



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

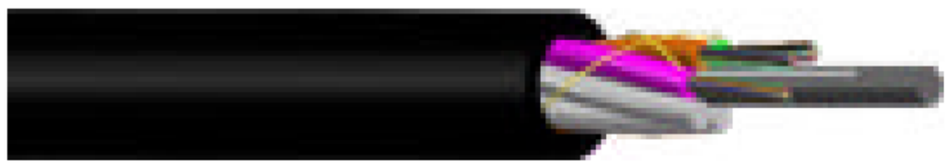
Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTY83	36	3000	1000	3000	1000	25D	12.5D	13.1	147
GYFTY83	72	3000	1000	3000	1000	25D	12.5D	14.5	185
GYFTY83	96	3000	1000	3000	1000	25D	12.5D	16.1	235
GYFTY83	120	3000	1000	3000	1000	25D	12.5D	17.6	277
GYFTY83	144	3000	1000	3000	1000	25D	12.5D	19.3	328

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.

U-tube Air-blowing Micro Optic Fiber Cable

FMUSER's U-tube air-blowing micro optic fiber cable **GCYFY** is specifically designed for air-blowing installation methods. It enables efficient and reliable fiber optic connectivity in various settings, ensuring high-speed data transmission.

GCYFY



Technical data

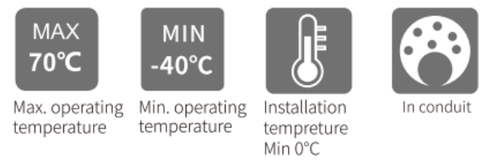
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

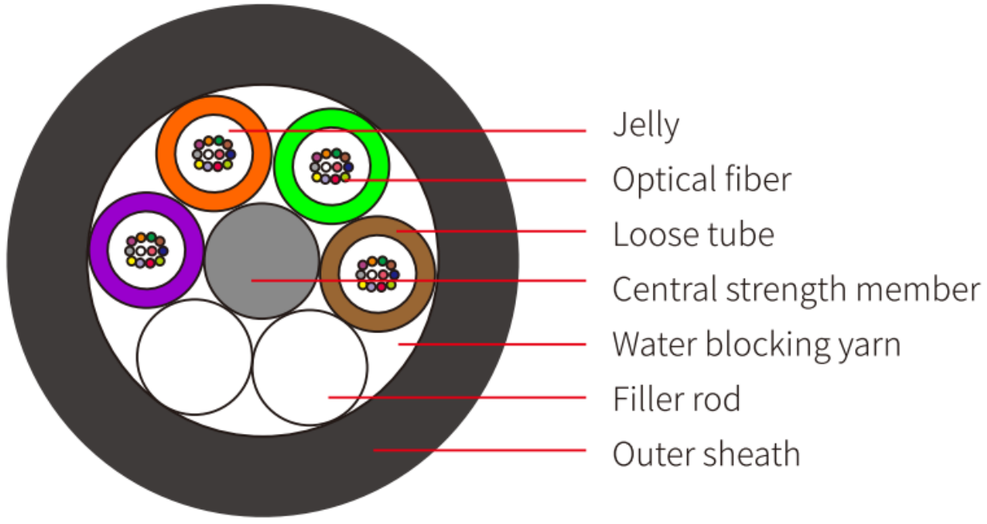
- Excellent air blowing performance
- High fiber density
- Easy to install
- Small size and light weight
- Save pipe resource

Applications

Air-blowing micro duct



Max. operating temperature | Min. operating temperature | Installation tempreture Min 0°C | In conduit



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.38/0.24	0.25/0.28
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.22/0.25

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GCYFY	48	0.5G	0.15G	450	150	20D	10D	5.0	23
GCYFY	60	0.5G	0.15G	450	150	20D	10D	5.4	30
GCYFY	72	0.5G	0.15G	450	150	20D	10D	6.0	35
GCYFY	96	0.5G	0.15G	450	150	20D	10D	7.0	46
GCYFY	120	0.5G	0.15G	450	150	20D	10D	8.0	58
GCYFY	144	0.5G	0.15G	450	150	20D	10D	9.0	73

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.

Drainage Pipe Optic Fiber Cable

FMUSER's drainage pipe optic fiber cable **GPTA33** is designed to be installed within drainage pipes, providing reliable fiber optic connectivity in challenging environments. This cable ensures efficient data transmission while withstanding the conditions within drainage systems.

GPTA33

Technical data

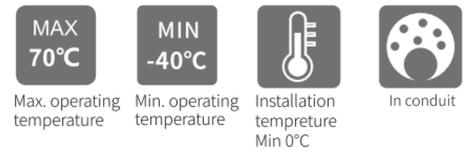
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wires
Sheath Options: Double PE Sheath
Armor: Aluminum tape +steel wires
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

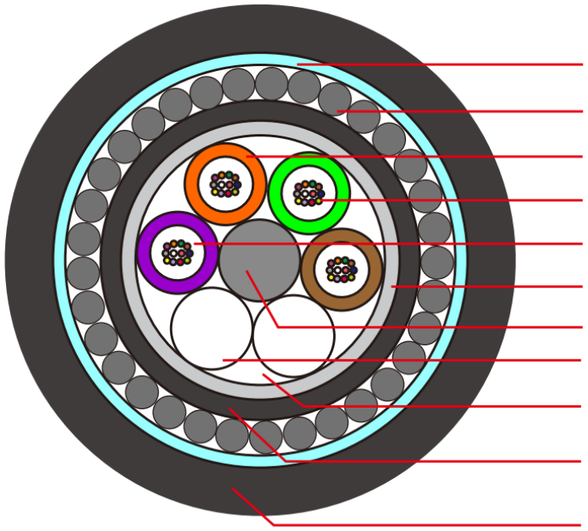
- Excellent mechanical and environmental performance
- Good performance for crush and tensile
- Good anti-rodent perforamce
- Double sheath with double armor
- Armored with steel wires and anti-moisture aluminum tape

Applications

Drainage pipe



Max. operating temperature | Min. operating temperature | Installation tempreture Min 0°C | In conduit



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GPTA33	36	10000	3000	5000	1500	25D	15D	15.9	483
GPTA33	60	10000	3000	5000	1500	25D	15D	16.1	478
GPTA33	72	10000	3000	5000	1500	25D	15D	16.7	506

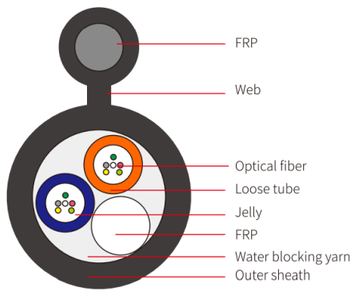
Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

All Dielectric Self-supporting Drop Cables

FMUSER's all dielectric self-supporting drop cables series, **GYFC8Y, GYFXTC8Y, GYFXTF, and GYFXTW** are specifically designed for easy and secure installation. These cables provide reliable and flexible fiber optic connectivity for drop applications, ensuring efficient data transmission with minimal installation complexity.

Fmuser

GYFC8Y



Technical data

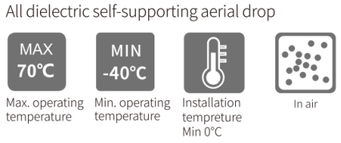
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Perfect lightning protection effect with all-dielectric materials
- Small size and light wight

Applications

All dielectric self-supporting aerial drop



Fiber Transmission Performance

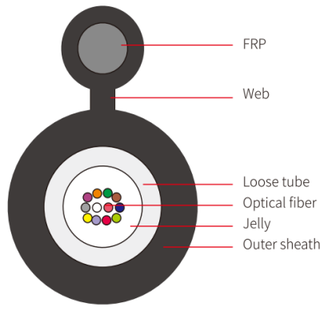
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFC8Y	6	1500	600	1000	300	20D	10D	8.0×14.3	76
GYFC8Y	12	1500	600	1000	300	20D	10D	8.0×14.3	76
GYFC8Y	16	1500	600	1000	300	20D	10D	8.4×14.7	82
GYFC8Y	24	1500	600	1000		20D	10D	8.4×14.7	82

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.

GYFXTC8Y



Technical data

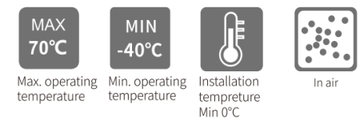
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Perfect lightning protection effect with all-dielectric materials
- Small size and light weight

Applications

All dielectric self-supporting aerial drop



Fiber Transmission Performance

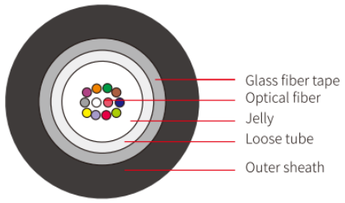
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFXTC8Y	6	1500	600	1000	300	20D	10D	5.1×12.0	66
GYFXTC8Y	12	1500	600	1000	300	20D	10D	5.1×12.0	66
GYFXTC8Y	16	1500	600	1000	300	20D	10D	5.7×12.6	72
GYFXTC8Y	24	1500	600	1000	300	20D	10D	5.7×12.6	72

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.

GYFXTF



Technical data

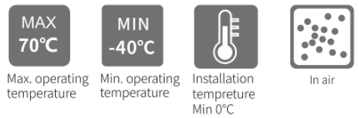
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Glass fiber tape
Sheath Options: Single PE Sheath
Armor: Glass fiber tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Perfect lightning protection effect with all-dielectric materials
- Small size and light weight

Applications

All dielectric self-supporting aerial drop



Fiber Transmission Performance

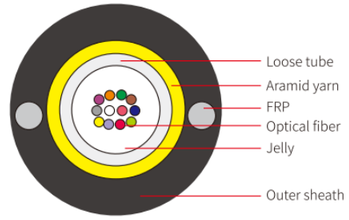
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFXTF	12	1000	300	1000	300	20D	10D	6.0	36
GYFXTF	24	1000	300	1000	300	20D	10D	6.8	46

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.

GYFXTW)



Technical data

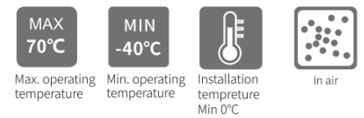
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Parallel FRP and aramid yarn
Sheath Options: Single PE Sheath
Armor: Aramid yarn
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with aramid yarn

Applications

All dielectric self-supporting aerial drop



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFXTW	12	1000	300	1000	300	20D	10D	7.5	30
GYFXTW	24	1000	300	1000	300	20D	10D	8.2	36

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.

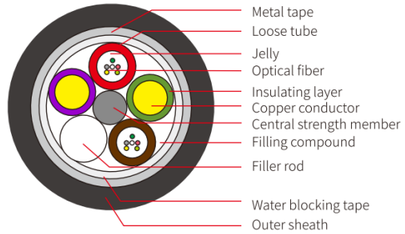
Optical & Electrical

Hybrid Cables for Access Network

FMUSER's optical and electrical hybrid cables **GDTA, GDTS, and GDFTA** are designed for access network installations. These cables provide a combination of optical and electrical transmission capabilities, enabling efficient and reliable connectivity for access network applications.

Fmuser

GDTA



Technical data

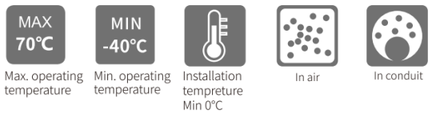
Fiber: Up to 48, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Excellent electrical performance
- Combine with fiber cable and power cable together
- Less diameter size , less cable weight
- Save construction cost
- Armored with anti-moisture aluminum tape

Applications

Optical and electrical hybrid cable for access network



Fiber Transmission Performance

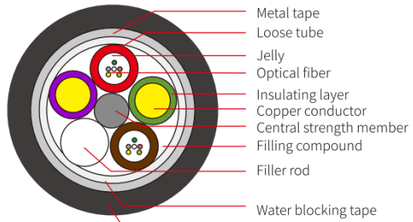
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Copper type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
			Short term	Long term	Short term	Long term	Dynamic	Static		
GDTA	2×1.5	36	1500	600	1000	300	20D	10D	12.7	175
GDTA	2×2.5	36	1500	600	1000	300	20D	10D	13.7	200
GDTA	2×3.5	36	1500	600	1000	300	20D	10D	15.1	244
GDTA	2×4.0	36	1500	600	1000	300	20D	10D	15.1	250
GDTA	2×6.0	24	1500	600	1000	300	20D	10D	15.5	300
GDTA	2×10.0	24	1500	600	1000	300	20D	10D	18.1	432

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.

GDTS



Technical data

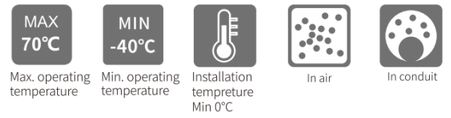
Fiber: Up to 48, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Excellent electrical performance
- Combine with fiber cable and power cable together
- Less diameter size , less cable weight
- Save construction cost
- Armored with anti-moisture aluminum tape

Applications

Optical and electrical hybrid cable for access network



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Copper type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
			Short term	Long term	Short term	Long term	Dynamic	Static		
GDTS	2×1.5	36	1500	600	1000	300	20D	10D	12.7	200
GDTS	2×2.5	36	1500	600	1000	300	20D	10D	13.7	228
GDTS	2×3.5	36	1500	600	1000	300	20D	10D	15.1	276
GDTS	2×4.0	36	1500	600	1000	300	20D	10D	15.1	285
GDTS	2×6.0	24	1500	600	1000	300	20D	10D	15.5	330
GDTS	2×10.0	24	1500	600	1000	300	20D	10D	18.1	470

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.

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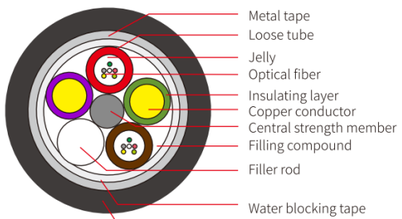
GDFTA



Technical data

Fiber: Up to 48, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Excellent electrical performance
- Combine with fiber cable and power cable together
- Less diameter size , less cable weight
- Save construction cost
- Armored with anti-moisture aluminum tape

Applications

Optical and electrical hybrid cable for access network

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Copper type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
			Short term	Long term	Short term	Long term	Dynamic	Static		
GDFTA	2×1.5	36	1500	600	1000	300	20D	10D	12.7	175
GDFTA	2×2.5	36	1500	600	1000	300	20D	10D	13.7	200
GDFTA	2×3.5	36	1500	600	1000	300	20D	10D	15.1	244
GDFTA	2×4.0	36	1500	600	1000	300	20D	10D	15.1	250
GDFTA	2×6.0	24	1500	600	1000	300	20D	10D	15.5	300
GDFTA	2×10.0	24	1500	600	1000	300	20D	10D	18.1	432

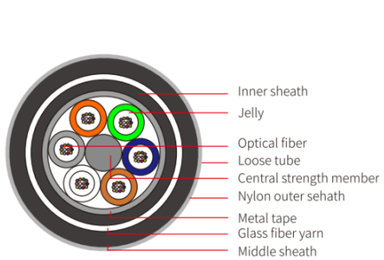
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.

Anti-rodent

Optic Fiber Cables

FMUSER's anti-rodent optic fiber cables **GDFTA74, GYFTA84, and GYTA2SR3** are designed to withstand rodent damage, ensuring reliable and durable connectivity in environments prone to rodent interference. These cables are ideal for applications where rodent protection is essential.

GDFTA74



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options : Triple Sheath
Armor: Aluminum tape +glass fiber yarn
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performacne
- Good water resistance performance
- Outer sheath resist solar radiation
- Triple sheath with double armor
- Good anti-rodent and anti-termite performance
- Armored with anti-moisture aluminum tape and glass fiber yarn

Applications

Anti-rodent environment

MAX 70°C Max. operating temperature
MIN -40°C Min. operating temperature
Installation tempreture Min 0°C
In air
In conduit

Fiber Transmission Performance

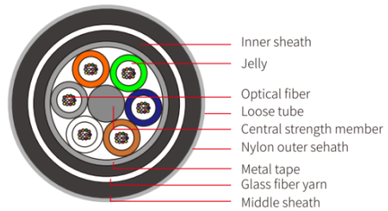
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTA74	36	3000	1000	3000	1000	25D	12.5D	13.5	155
GYFTA74	72	3000	1000	3000	1000	25D	12.5D	14.9	160
GYFTA74	96	3000	1000	3000	1000	25D	12.5D	16.4	210
GYFTA74	120	3000	1000	3000	1000	25D	12.5D	17.9	246
GYFTA74	144	3000	1000	3000	1000	25D	12.5D	19.4	286

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.

GYFTA84



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options : Triple Sheath
Armor: Aluminum tape +glass fiber yarn
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performacne
- Good water resistance performance
- Outer sheath resist solar radiation
- Triple sheath with double armor
- Good anti-rodent and anti-termite performance
- Armored with anti-moisture aluminum tape and glass fiber yarn

Applications

Anti-rodent environment

MAX 70°C Max. operating temperature
MIN -40°C Min. operating temperature
Installation tempreture Min 0°C
In air
In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTA74	36	3000	1000	3000	1000	25D	12.5D	13.5	155
GYFTA74	72	3000	1000	3000	1000	25D	12.5D	14.9	160
GYFTA74	96	3000	1000	3000	1000	25D	12.5D	16.4	210
GYFTA74	120	3000	1000	3000	1000	25D	12.5D	17.9	246
GYFTA74	144	3000	1000	3000	1000	25D	12.5D	19.4	286

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.

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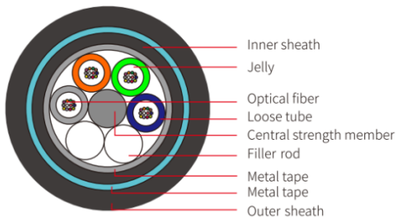
GYTA2SR3



Technical data

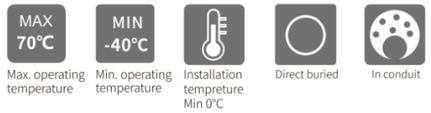
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Double PE Sheath
Armor: Aluminum tape and Stainless Steel tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with double armor
- Gel-filled loose tube protect the fiber well
- Good anti-rodent performance

Applications

Anti-rodent environment



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTA2SR3	36	3000	1000	3000	1000	25D	12.5D	12.4	161
GYTA2SR3	60	3000	1000	3000	1000	25D	12.5D	13.0	171
GYTA2SR3	72	3000	1000	3000	1000	25D	12.5D	13.6	198
GYTA2SR3	96	3000	1000	3000	1000	25D	12.5D	15.0	234
GYTA2SR3	120	3000	1000	3000	1000	25D	12.5D	16.4	269
GYTA2SR3	144	3000	1000	3000	1000	25D	12.5D	17.9	311

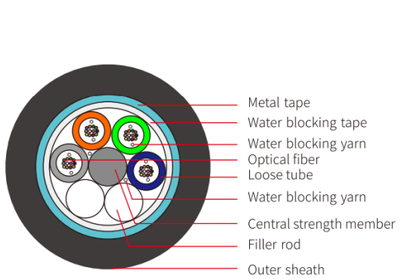
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.

A-dry Type

Optic Fiber Cables

FMUSER's A-dry type optic fiber cables **GYFS, GYFY, and ADSS** are designed with dry water-blocking materials to provide reliable performance in moisture-prone environments. These cables ensure efficient data transmission and excellent protection against water damage.

GYFS



Technical data

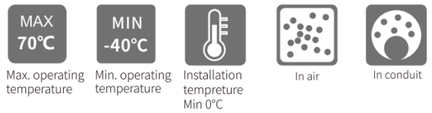
Fiber: Up to 288, Dry water blocking material
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- All dry type cable core
- Armored with anti-moisture corrugated steel tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

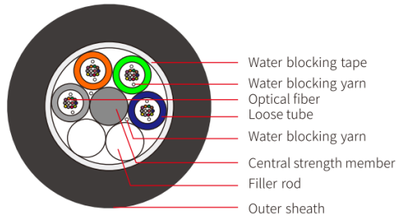
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFS	48	2700	1000	2200	600	20D	10D	12.1	131
GYFS	72	2700	1000	2200	600	20D	10D	12.1	133

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.

GYFY



Technical data

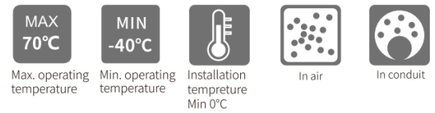
Fiber: Up to 288, Dry water blocking material
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40 °C - 70 °C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- All dry type cable core

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFY	48	2700	1000	2000	600	20D	10D	12.3	142
GYFY	72	2700	1000	2000	600	20D	10D	12.3	144

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.

 Solutions:.https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories

ADSS

Technical data

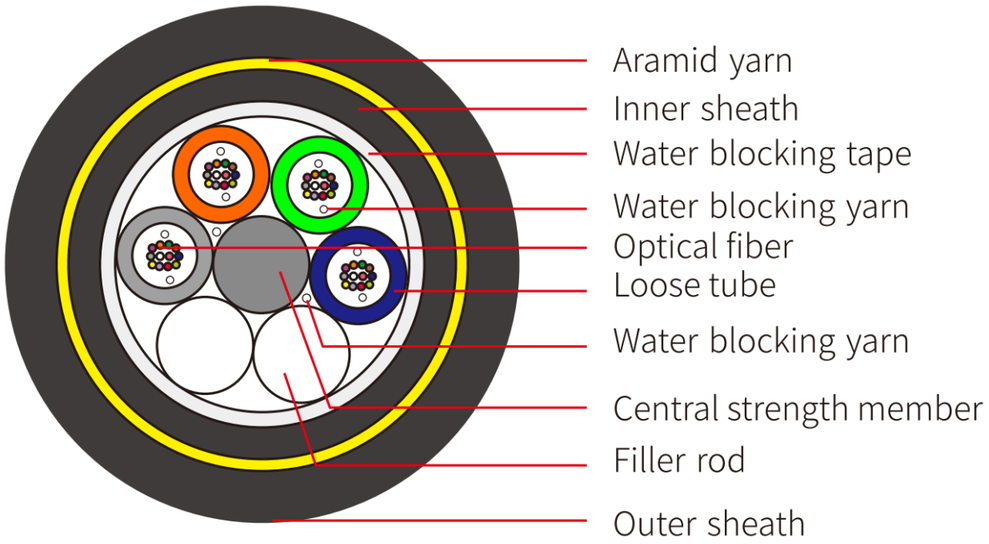
Fiber: Up to 288, Water blocking material
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Aramid yarn
Operating Temperature: -40 °C - 70 °C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- All dry type cable core
- All dielectric material good for application in thunder area
- Armored with aramid yarn

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		RTS	MAT	Short term	Long term	Dynamic	Static		
ADSS	24	8000	2000	2200	600	20D	10D	15.6	172
ADSS	48	8000	2000	2200	600	20D	10D	15.6	172
ADSS	72	8000	2000	2200	600	20D	10D	15.6	173

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.

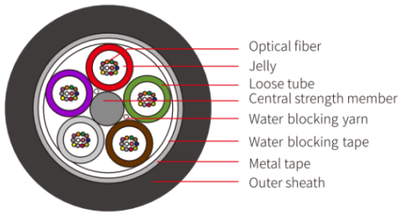
Flame-retardant

Optic Fiber Cables

FMUSER's flame-retardant optic fiber cables GYZA and GYFZY are specifically designed to prevent the spread of flames in case of fire incidents. These cables offer reliable fiber optic connectivity with enhanced fire safety features for peace of mind.

Fmuser

GYZA



Technical data

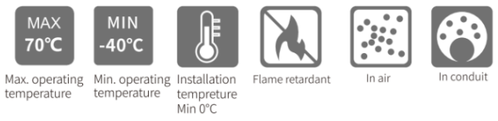
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single LSZH Sheath
Armor: Aluminum tape
Operating Temperature: -40 °C - 70 °C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape
- High flame retardant performance

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

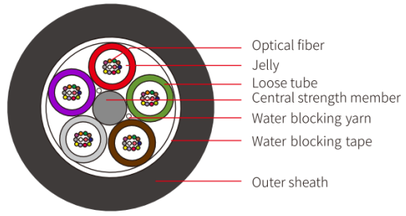
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYZA	36	1500	600	1000	300	20D	10D	11.2	162
GYZA	72	1500	600	1000	300	20D	10D	12.9	202
GYZA	144	1500	600	1000	300	20D	10D	17.0	311

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.

GYFZY



Technical data

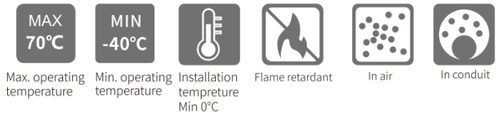
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single LSZH Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Perfect lightning protection effect with all-dielectric materials
- High flame retardant performance

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

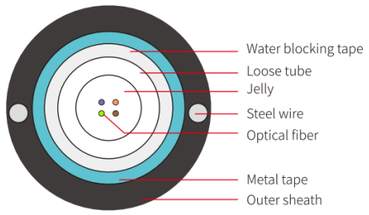
Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFZY	36	1500	600	1000	300	20D	10D	10.6	123
GYFZY	72	1500	600	1000	300	20D	10D	11.4	142
GYFZY	144	1500	600	1000	300	20D	10D	15.8	152

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.

Groove Optic Fiber Cables

FMUSER's groove optic fiber cables **GLXTW and GLXT8W** feature a unique groove design for easy installation and protection. These cables provide reliable fiber optic connectivity, ensuring efficient transmission and enhanced installation convenience.

GLXTW



Technical data

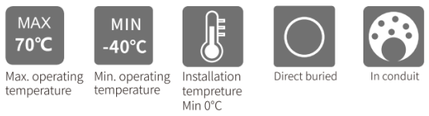
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Parallel steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moistre corrugated steel tape

Applications

Duct and direct buried



Fiber Transmission Performance

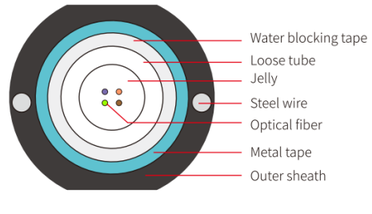
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GLXTW	12	1500	600	1000	300	20D	10D	8.5	76
GLXTW	24	1500	600	1000	300	20D	10D	9.3	88

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.

GLXT8W



Technical data

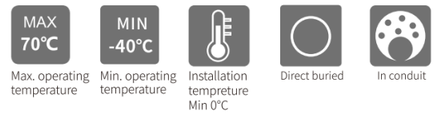
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Parallel steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moistre corrugated steel tape

Applications

Duct and direct buried



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GLXTBW	12	1500	600	1000	300	20D	10D	6.2×8.5	72
GLXTBW	24	1500	600	1000	300	20D	10D	7.0×9.3	83

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.

Easily Recognized

Optic Fiber Cable

FMUSER's easily recognized optic fiber cable **GLXTC8S** is designed with a distinctive appearance for easy identification and installation. This cable ensures efficient and reliable fiber optic connectivity while simplifying installation processes.

GLXTC8S

Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

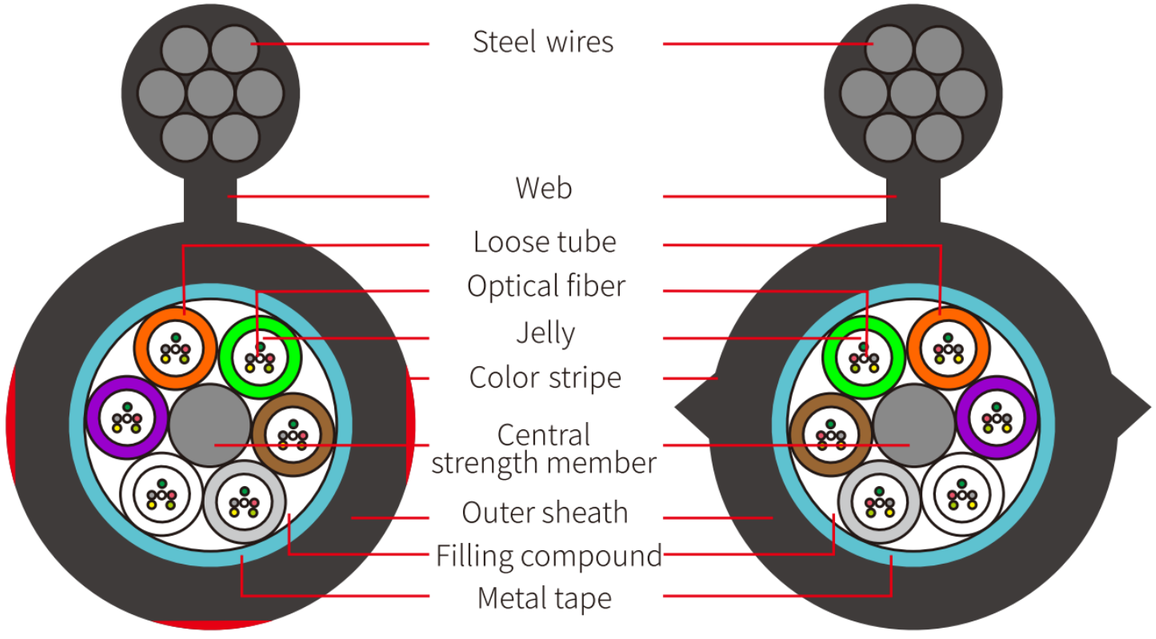
Features

- Excellent mechanical and environmental performance
- Armored with anti-moisture corrugated steel tape
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Easy to recognize

Applications

Self-supporting aerial

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
In conduit



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

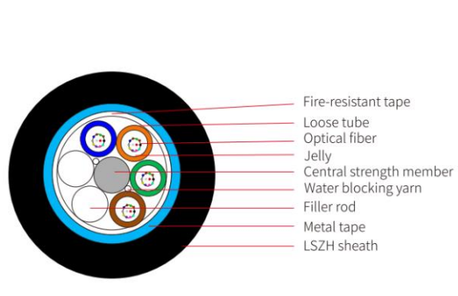
Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTC8S	30	3000	1000	1000	300	20D	10D	9.1×16.9	156
GYTC8S	60	3000	1000	1000	300	20D	10D	10.1×17.9	182
GYTC8S	30	4500	1500	1000	300	20D	10D	9.1×17.5	178
GYTC8S	60	4500	1500	1000	300	20D	10D	10.1×18.5	204
GYTC8S	30	7000	2000	1000	300	20D	10D	9.1×18.7	236
GYTC8S	60	7000	2000	1000	300	20D	10D	10.1×19.7	261

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.

High Flame-retardant & Fire-resistant Cables

FMUSER's high flame-retardant and fire-resistant cables **GYFZS** are designed to provide exceptional fire safety features in critical applications. These cables offer reliable connectivity while minimizing fire risks and ensuring enhanced protection.

GYFZS (semi-dry)



Technical data

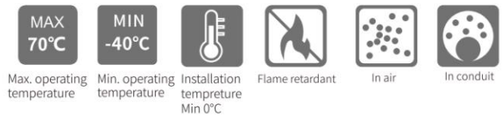
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single LSZH Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C-70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- High flame-retardant and fire-resistant performance
- Good water resistance performance
- Comply with IEC60332-1-2,IEC60332-3-24, IEC60754-1-2
- Comply with IEC60331-11/25
- Comply with IEC61034 Test method (Smoke density≥50%)

Applications

Application for indoor and outdoor system
Application for subway, railway or tunnel system



Fiber Transmission Performance

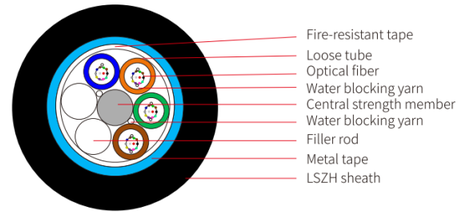
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFZS	24	1500	600	1000	300	20D	10D	11.9	175
GYFZS	48	1500	600	1000	300	20D	10D	12.1	182
GYFZS	96	1500	600	1000	300	20D	10D	13.3	223

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.

GYFZS (all-dry)



Technical data

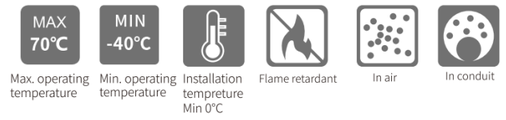
Fiber: Up to 288, dry water blocking material
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single LSZH Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C-70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- High flame-retardant and fire-resistant performance
- Good water resistance performance
- Comply with IEC60332-1-2,IEC60332-3-24, IEC60754-1-2
- Comply with IEC60331-11/25
- Comply with IEC61034

Applications

Application for indoor and outdoor system
Application for subway, railway or tunnel system



Fiber Transmission Performance

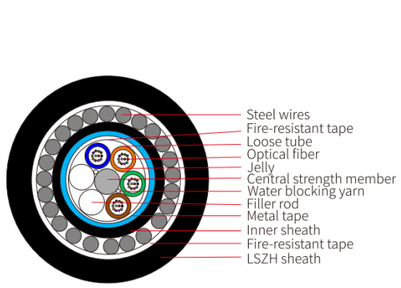
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFZS	24	1500	600	1000	300	20D	10D	12.7	190
GYFZS	48	1500	600	1000	300	20D	10D	12.7	191
GYFZS	96	1500	600	1000	300	20D	10D	14.1	234

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.

GYFZS33



Technical data

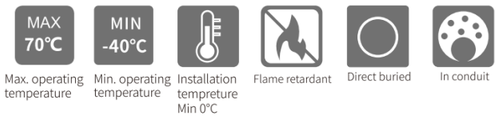
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double LSZH Sheath
Armor: Corrugated steel tape +steel wires
Operating Temperature: -40°C-70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- High flame-retardant and fire-resistant performance
- Good water resistance performance
- Comply with IEC60332-1-2,IEC60332-3-24, IEC60754-1-2
- Comply with IEC60331-11/25, BS6387
- Comply with IEC61034

Applications

Application for indoor and outdoor system
Application for subway, railway or tunnel system



Max. operating temperature | Min. operating temperature | Installation tempreture Min 0℃ | Flame retardant | Direct buried | In conduit

Fiber Transmission Performance

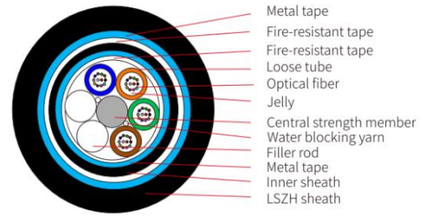
Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFZS33	24	10000	3000	5000	1500	25D	15D	16.5	511
GYFZS33	48	10000	3000	5000	1500	25D	15D	17.3	556
GYFZS33	96	10000	3000	5000	1500	25D	15D	18.7	637

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.

GYFZS53



Technical data

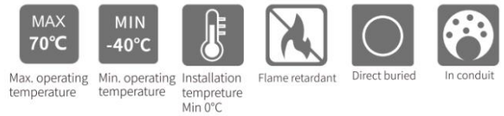
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double LSZH Sheath
Armor: Double layers of corrugated steel tape
Operating Temperature: -40°C-70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- High flame-retardant and fire-resistant performance
- Good water resistance performance
- Comply with IEC60332-1-2,IEC60332-3-24, IEC60754-1-2
- Comply with IEC60331-11/25
- comply with IEC61034 Test method (Smoke density≥50%)

Applications

Application for indoor and outdoor system
Application for subway, railway or tunnel system



Max. operating temperature | Min. operating temperature | Installation tempreture Min 0℃ | Flame retardant | Direct buried | In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFZS53	24	3000	1000	3000	1000	25D	12.5D	16.0	323
GYFZS53	48	3000	1000	3000	1000	25D	12.5D	16.0	328
GYFZS53	96	3000	1000	3000	1000	25D	12.5D	17.4	389

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.

Contact Information

For the latest specifications, additional product information, worldwide sales and distribution locations, and information about FMUSER

- Email: sales@fmuser.com
- Tel: +86-13922702227
- Solution Indexed: https://www.fmradiobroadcast.com/product/fiber-optic-cables-and-accessories
- Video Demonstration: https://youtu.be/hBJ4ktQpB1c
- WhatsApp Chat: https://wa.me/fmuser
- Online Chat: https://jivo.chat/lEHTbmpYDr