www.hengtonggroup.com/en

Hengtong Optic-Electric Co., Ltd.
Stock Code: 600487
No. 2288, North Zhongshan Rd.,
Wujiang District, Suzhou City, Jiangsu Province, China
Website: www.hengtonggroup.com/en
Email: info@hengtonggroup.com
Tel: +86 512 6395 7850
Fax: +86 512 6395 7922

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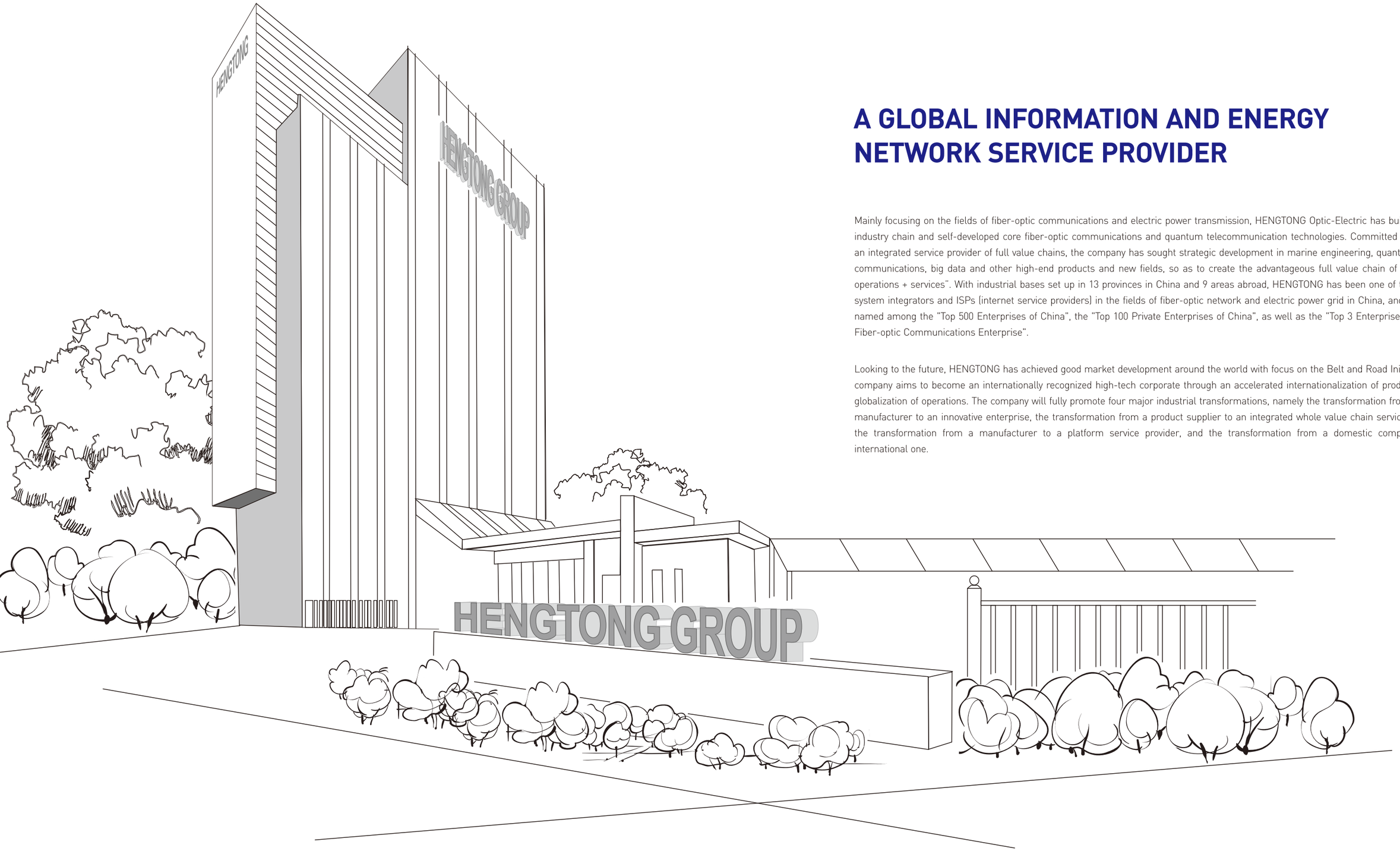
Version: 2019-01

# SPECIAL OUTDOOR OPTICAL FIBER CABLE

**HENGTONG OPTIC-ELECTRIC**
A Global Information and Energy Network Service Provider

# Introduction




# A GLOBAL INFORMATION AND ENERGY NETWORK SERVICE PROVIDER

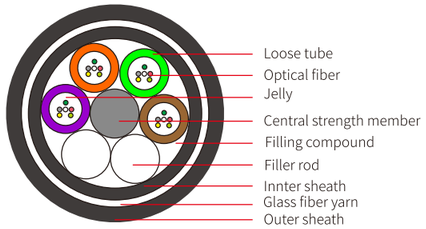
Mainly focusing on the fields of fiber-optic communications and electric power transmission, HENGTONG Optic-Electric has built up a full industry chain and self-developed core fiber-optic communications and quantum telecommunication technologies. Committed to building an integrated service provider of full value chains, the company has sought strategic development in marine engineering, quantum secure communications, big data and other high-end products and new fields, so as to create the advantageous full value chain of "product + operations + services". With industrial bases set up in 13 provinces in China and 9 areas abroad, HENGTONG has been one of the leading system integrators and ISPs (internet service providers) in the fields of fiber-optic network and electric power grid in China, and has been named among the "Top 500 Enterprises of China", the "Top 100 Private Enterprises of China", as well as the "Top 3 Enterprises of Global Fiber-optic Communications Enterprise".

Looking to the future, HENGTONG has achieved good market development around the world with focus on the Belt and Road Initiative. The company aims to become an internationally recognized high-tech corporate through an accelerated internationalization of production and globalization of operations. The company will fully promote four major industrial transformations, namely the transformation from an R&D manufacturer to an innovative enterprise, the transformation from a product supplier to an integrated whole value chain service provider, the transformation from a manufacturer to a platform service provider, and the transformation from a domestic company to an international one.

# Contents

# GYFTY73

## All Dielectric Reinforced Optic Fiber Cable




### Technical data

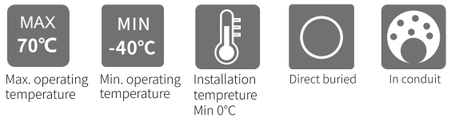
**Fiber**: Up to 288, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options**: Double PE Sheath
**Armor**: Glass fiber yarn
**Operating Temperature**: -40°C - 70°C
**Compliances**: In Accordance with IEC, ITU and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

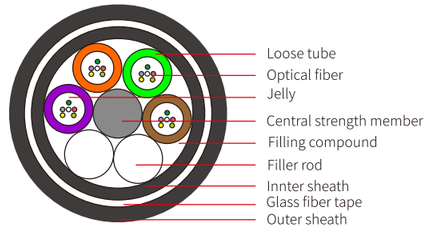
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GYFTY83

## All Dielectric Reinforced Optic Fiber Cable




### Technical data

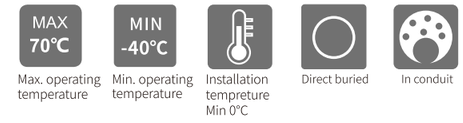
**Fiber**: Up to 288, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options**: Double PE Sheath
**Armor**: Glass fiber tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In Accordance with IEC, ITU and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

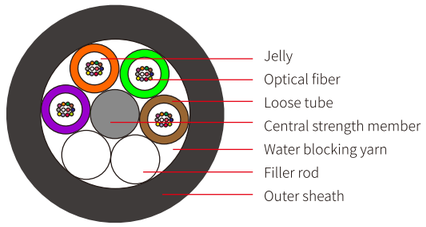
### Technical Specification

| 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.

# GCYFY

## U-Tube™ Air-Blowing Micro Optic Fiber 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**: Single PE Sheath
**Armor**: None
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with IEC, ITU and EIA standards

TLC

### 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 70℃ Max. operating temperature
MIN -40℃ 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 |

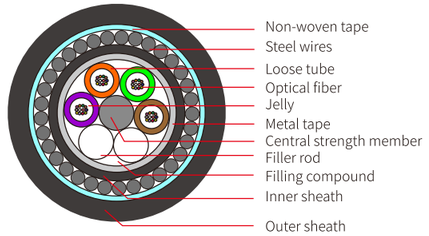
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GPTA33

## Drainage Pipe Optic Fiber Cable




### 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

TLC

### 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 70℃ Max. operating temperature
MIN -40℃ 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 |

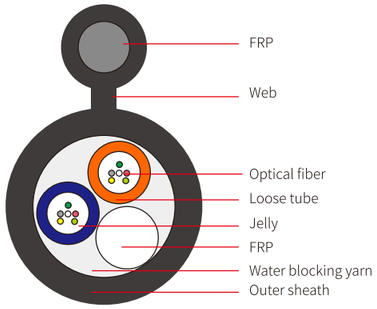
### Technical Specification

| 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.

# GYFC8Y

## All Dielectric Self-supporting Drop Cable




### 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

MAX 70℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0℃
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 |
|---|---|---|---|---|---|---|---|---|---|
| | | 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 | 300 | 20D | 10D | 8.4×14.7 | 82 |

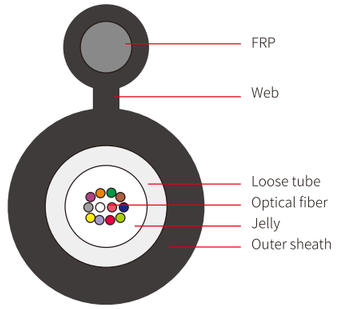
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GYFXTC8Y

## All Dielectric Self-supporting Drop Cable




### 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

MAX 70℃ Max. operating temperature
MIN -40℃ Min. operating temperature
Installation tempreture Min 0℃
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 |

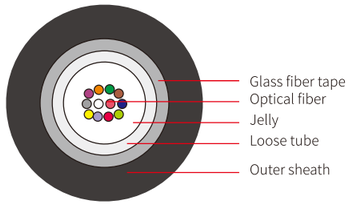
### Technical Specification

| Cable type | Maximum cores | Tensile Strength | | Crush Resistance | | Minimum bend radius | | Cable diameter | Cable weight |
|---|---|---|---|---|---|---|---|---|---|
| | | 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

## All DielecTric Self-supporting Drop Cable




### Technical data

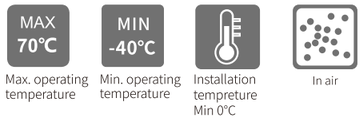
**Fiber**: Up to 24, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: Central tube
**Strength Member**: Glass fiber tape
**Sheath Options**: Single PE Sheath
**Armor**: Glass fiber tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with IEC, ITU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

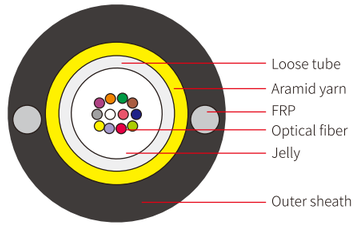
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GYFXTW

## All Dielectric Self-supporting Drop Cable




### Technical data

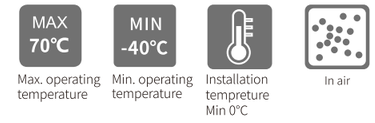
**Fiber**: Up to 24, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: Central tube
**Strength Member**: Parallel FRP and aramid yarn
**Sheath Options**: Single PE Sheath
**Armor**: Aramid yarn
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with IEC,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

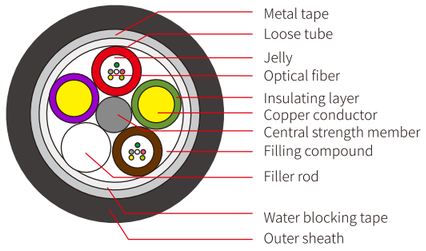
### Technical Specification

| 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.

# GDTA

## Optical And Electrical Hybrid Cable For Access Network




### Technical data

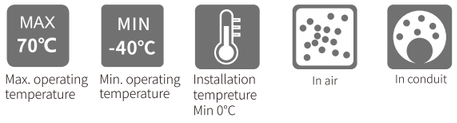
**Fiber**: Up to 48, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: Steel wire
**Sheath Options**: Single PE Sheath
**Armor**: Aluminum tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with IEC, ITU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

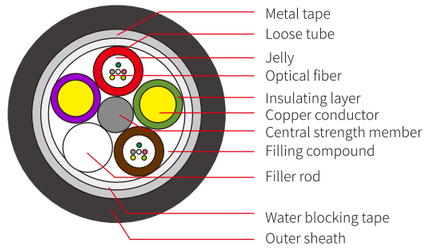
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GDTS

## Optical And Electrical Hybrid Cable For Access Network




### Technical data

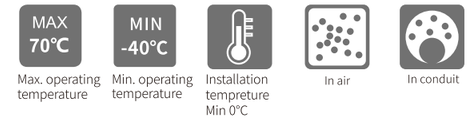
**Fiber**: Up to 48, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: Steel wire
**Sheath Options**: Single PE Sheath
**Armor**: Corrugated steel tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with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

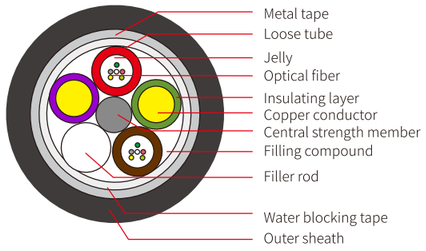
### Technical Specification

| 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.

# GDFTA

## Optical And Electrical Hybrid Cable For Access Network




### Technical data

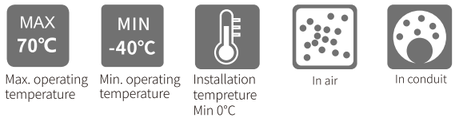
**Fiber**: Up to 48, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options**: Single PE Sheath
**Armor**: Aluminum tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with IEC, ITU and EIA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

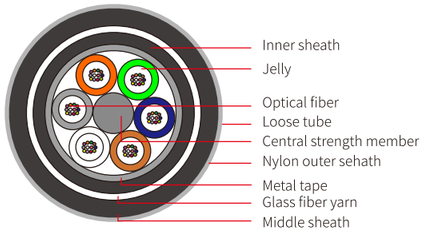
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GYFTA74

## Anti-rodent Optic Fiber Cable




### Technical data

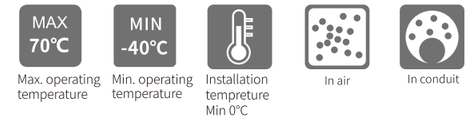
**Fiber**: Up to 288, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options** : Triple Sheath
**Armor**: Aluminum tape +glass fiber yarn
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with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




### 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 |

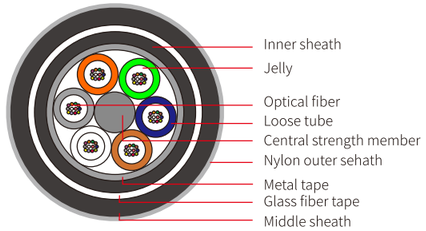
### Technical Specification

| 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

## Anti-rodent Optic Fiber Cable




### Technical data

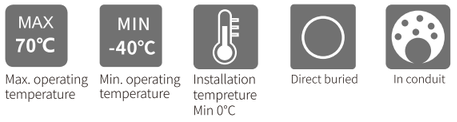
**Fiber**: Up to 288, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options**: Triple Sheath
**Armor**: Aluminum tape + glass fiber tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with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

### 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 | | |
| GYFTA84 | 36 | 3000 | 1000 | 3000 | 1000 | 25D | 12.5D | 14.1 | 170 |
| GYFTA84 | 72 | 3000 | 1000 | 3000 | 1000 | 25D | 12.5D | 15.5 | 208 |
| GYFTA84 | 96 | 3000 | 1000 | 3000 | 1000 | 25D | 12.5D | 17.1 | 259 |
| GYFTA84 | 120 | 3000 | 1000 | 3000 | 1000 | 25D | 12.5D | 18.6 | 300 |
| GYFTA84 | 144 | 3000 | 1000 | 3000 | 1000 | 25D | 12.5D | 20.3 | 352 |

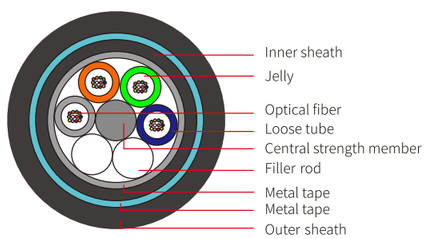
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GYTA2SR3

## Anti-rodent Optic Fiber Cable




### Technical data

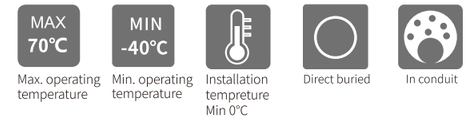
**Fiber**: Up to 288, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: Steel wire
**Sheath Options**: Double PE Sheath
**Armor**: Aluminum tape and Stainless Steel tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: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

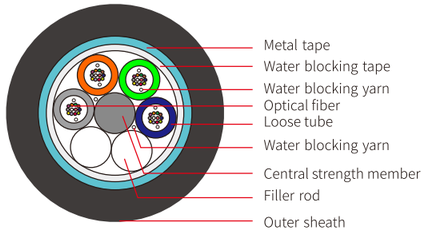
### Technical Specification

| 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.

# GYFS

## A-Dry™Type Optic Fiber Cable




### Technical data

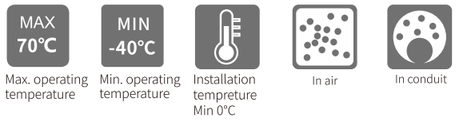
**Fiber**: Up to 288, Dry water blocking material
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options**: Single PE Sheath
**Armor**: Corrugated steel tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance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

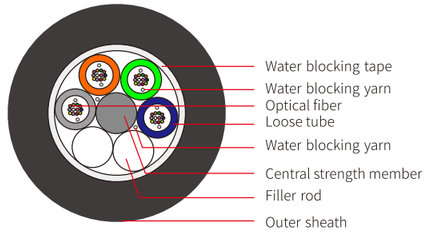
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GYFY

## A-Dry™ Type Optic Fiber Cable




### Technical data

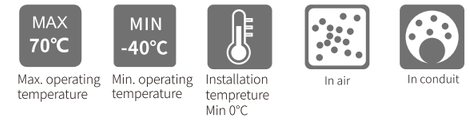
**Fiber**: Up to 288, Dry water blocking material
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options**: Single PE Sheath
**Armor**: None
**Operating Temperature**: -40 °C - 70 °C
**Compliances**: In accordance with IEC,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

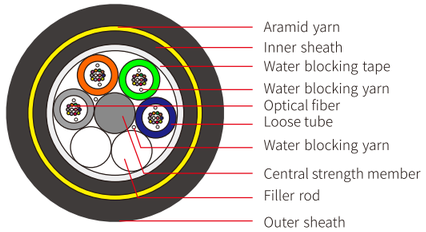
### Technical Specification

| 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.

# ADSS

## A-Dry™ Type Optic Fiber Cable




### Technical data

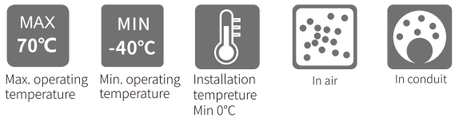
**Fiber**: Up to 288, Water blocking material
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options**: Double PE Sheath
**Armor**: Aramid yarn
**Operating Temperature**: -40 °C - 70 °C
**Compliances**: In accordance with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

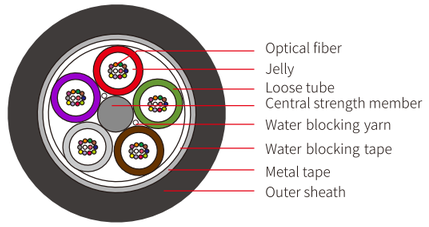
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GYZA

## Flame-retardant Optic Fiber Cable




### 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 |

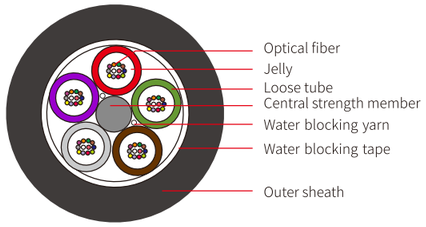
### Technical Specification

| 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

## Flame-retardant Optic Fiber Cable




### Technical data

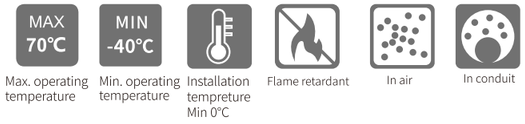
**Fiber**: Up to 288, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: FRP
**Sheath Options**: Single LSZH Sheath
**Armor**: None
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with IEC, ITU and EIA standards

### 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 |

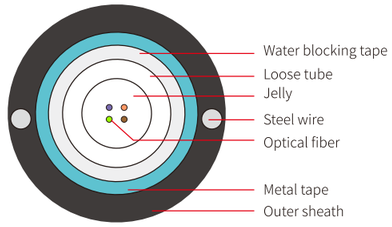
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.





# GLXTW

## Groove Optic Fiber Cable




### Technical data

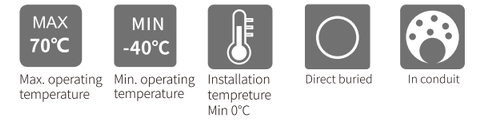
**Fiber**: Up to 24, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: Central tube
**Strength Member**: Parallel steel wire
**Sheath Options**: Single PE Sheath
**Armor**: Corrugated steel tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with IEC,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

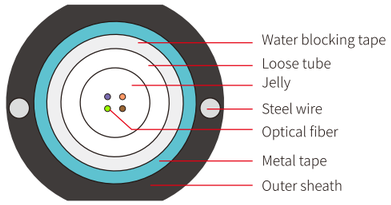
### Technical Specification

| 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.

# GLXTBW

## Groove Optic Fiber Cable




### Technical data

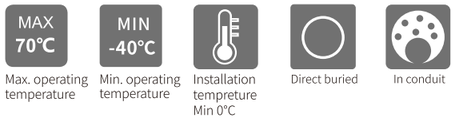
**Fiber**: Up to 24, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: Central tube
**Strength Member**: Parallel steel wire
**Sheath Options**: Single PE Sheath
**Armor**: Corrugated steel tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance with IEC,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

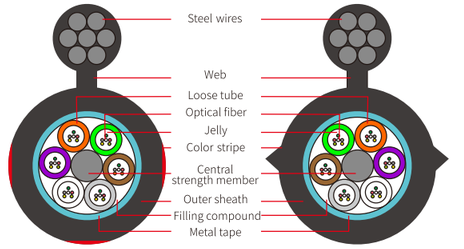
Notes：1. D denotes the diameter of the cable； 2. The above parameters are typical value； 3. The cable spec can be designed according to customer's requirement.

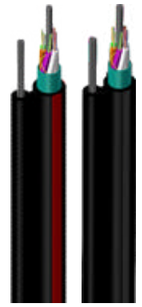




# GYTC8S

## Easily Recognized Optic Fiber Cable



### Technical data

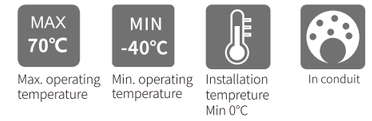
**Fiber**: Up to 288, Gel-filled
**Fiber Types**: Single-mode and Multimode
**Cable Constructions**: S-Z Stranded loose tube
**Strength Member**: Stranded steel wires
**Sheath Options**: Single PE Sheath
**Armor**: Corrugated steel tape
**Operating Temperature**: -40°C - 70°C
**Compliances**: In accordance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




### 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 |

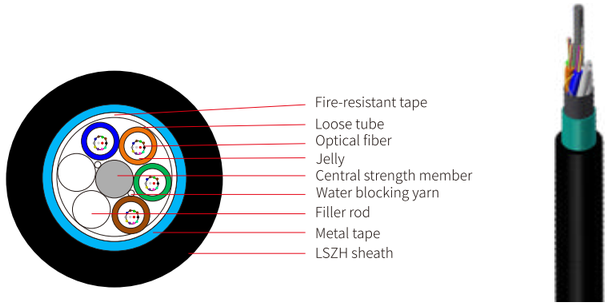
### Technical Specification

| 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.

# GYFZS（Semi-Dry）

## High Flame-retardant And Fire-resistant 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**: 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


Max. operating temperature | Min. operating temperature | Installation tempreture Min 0°C | Flame retardant | 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 | | |
| 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 |

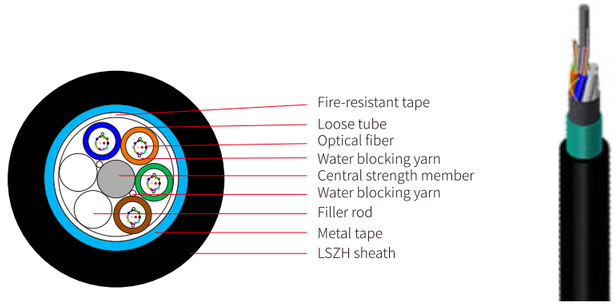
Notes：1. D denotes the diameter of the cable；2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.





# GYFZS（All-Dry）

## High Flame-retardant And Fire-resistant Cable




### 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


Max. operating temperature | Min. operating temperature | Installation tempreture Min 0°C | Flame retardant | 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 |

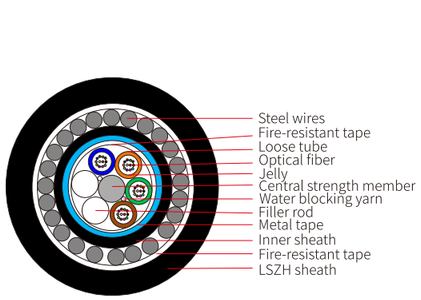
### Technical Specification

| 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 | | |
| 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

## High Flame-retardant And Fire-resistant 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 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°C | 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 |

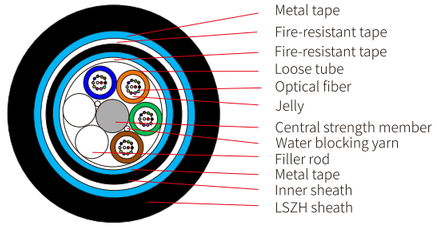
Notes：1. D denotes the diameter of the cable；2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.





# GYFZS53

## High Flame-retardant And Fire-resistant 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 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°C | 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.

# GLOBAL SERVICE NETWORK

## International Representative Offices

Contact Information

info@hengtonggroup.com

### Africa Region

DR Congo

Ethiopia

Kenya

Republic of the Congo

Uganda

Zambia

### America Region

Argentina

Bolivia

Chile

Colombia

Ecuador

Mexico

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Brazil

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Jordan

Lebanon

Morocco (West Africa&North Africa Region)

### Europe Region

Baltic

Georgia

Italy

Poland

Serbia

Turkey

Ukraine

### Russia Region

Russia

## Domestic Representative Offices

### Hengtong (Beijing) Representative Office

Room B1803, Digital Building, No. 2 Zhongguancun South Avenue, Haidian District, Beijing, China
Tel: 010-51626988
Fax: 010-51626998

### Hengtong (Guangdong) Representative Office

Room 1402, Bldg A, Fengxing Plaza, No. 67, Tianhe East Road, Tianhe District, Guangzhou, Guangdong Province, China
Tel/Fax: 020-87599616

### Hengtong (Zhejiang) Representative Office

Room 1002, Huayuan Development Building, No. 639, Jianguo North Road, Xiacheng District, Hangzhou, Zhejiang Province, China
Tel/Fax: 0571-85392807

### Hengtong (Hunan) Representative Office

Rooms 2118 and 2119, Business Building, Dahua Hotel, Dongtang, No. 528, Laodong West Road, Yuhua District, Changsha, Hunan Province, China
Tel/Fax: 0731-89710847

### Hengtong (Henan) Representative Office

Room 1909, Tower A, Guomao Building, Garden Road (Southwest of the intersection with Nongye Road), Jinshui District, Zhengzhou, Henan Province, China
Tel/Fax: 0371-65720119

### Hengtong (Guizhou) Representative Office

Room 704, Bldg A, Quanlin International Plaza, No. 196, Fushui South Road, Nanming District, Guiyang, China

### Hengtong (Liaoning) Representative Office

Room 66-B-10C, No. 225, Youth Street, Shenhe District, Shenyang, China
Tel/Fax: 0451-51444018

### Hengtong (Luoyang) Representative Office

Room 5-2-701, Zhongfu Jinyuan Community, Qianjing South Road, Jianxi District, Luoyang, China

### Hengtong (Shanghai) Representative Office

12/F, Bldg A, Far East International Plaza, No. 319, Xianxia Road, Shanghai, China
Tel: 021-32084666-8030
Tel: 021-32084666-8072

### Hengtong (Shenzhen) Representative Office

Rooms A703 and A503, Ruijingge, Hongrui Garden Community; and Room 2B, Bldg B, Lantiange, Xililantian Garden Community, Shenzhen, China
Tel/Fax: 020-87599616

### Hengtong (Jiangsu) Representative Office

Room 602, No. 8, Huju South Road, Nanjing, Jiangsu Province, China
Tel: 025-83464575
Fax: 0512-63800538

### Hengtong (Hubei) Representative Office

Room 1-2-604, Taiyin Building, No. 1, Changning Community, Changqing Road, Jianghan District, Wuhan, Hubei Province, China
Tel/Fax: 027-82647420

### Hengtong (Hebei) Representative Office

Room 1-A9, 1/F, Attached Bldg, Fortune Center, No. 86, Guang'an Street, Chang' an District, Shijiazhuang, Hebei Province, China
Tel/Fax: 0311-66159890

### Hengtong (Yunnan) Representative Office

15/F, Tower C, No. 96, Beijing Road, Kunming, China
Tel/Fax: 0871-65640310

### Hengtong (Heilongjiang) Representative Office

Room 1-1-510, No. 146, Dongdazhi Street, Nangang District, Harbin, China
Tel/Fax: 0451-51444018

### Hengtong (Tianjin) Representative Office

Room 609, Bldg 3, Yitian Garden Community (West of the intersection of Baotou Avenue and Xizang Road), Nanmenwai Street, Heping District, Tianjin, China
Tel/Fax: 022-23450605

### Hengtong (Fujian) Representative Office

Room 2203, Lippo Tianma Plaza, No. 1, Wuyi North Road, Gulou District, Fuzhou, China
Tel/Fax: 0591-83314244

### Hengtong (Jiangxi) Representative Office

Room 1508, Nanbin International Financial Building, Nanchang, Jiangxi Province, China
Tel/Fax: 0791-86255821

### Hengtong (Shandong) Representative Office

Room 910, Bldg A, Wanda Plaza, Jingsi Road, Shizhong District, Ji'nan, Shandong Province, China
Tel: 0531-81766682
Fax: 0531-81766683

### Hengtong (Shaanxi) Representative Office

Room 12507, Bldg 13-1 (2507, Langchen Building), Gaoxin 4th Road, High-tech Zone, Xi'an, China
Tel/Fax: 029-88339411

### Hengtong (Gansu) Representative Office

Room 1303, 13/F, Bldg C, Century Plaza, No. 352, Qingyang Road, Chengguan District, Lanzhou, China
Tel/Fax: 0931-8824359

### Hengtong (Jilin) Representative Office

Room 1401, Bldg C46, Changchunmingzhu Community, No. 8668, Renmin Street, Nanguan District, Changchun, China
Tel/Fax: 020-87599616

### Hengtong (Chongqing) Representative Office

Room 7-2, No. 1, Fortune Avenue, Yubei District, Chongqing, China
Tel/Fax: 023-68691819

### Hengtong (Guangxi) Representative Office

Room 906, Tower E, Huidong International Building, Jinpu Road, Qingxiu District, Nanning, Guangxi, China
Tel/Fax: 0771-5717234

### Hengtong (Anhui) Representative Office

Rooms 2527, 2528 and 2529, East Community, Impression West Lake Garden, Wangjiang West Road, Shushan District, Hefei, China
Tel/Fax: 0551-65622957

### Hengtong (Shanxi) Representative Office

No. 2 Jiefang South Road, Yingze District, Taiyuan, Shanxi Province, China
Tel/Fax: 0351-4605240

### Hengtong (Sichuan) Representative Office

Times 8 (No. 2, Bldg 33), No. 68, Zhiquanduan, East Street, Jinjiang District, Chengdu, Sichuan Province, China
Tel/Fax: 028-84455529

### Hengtong (Xinjiang) Representative Office

Room H, 14/F, Tower B, Times Square, No. 30, Guangming Road, Tianshan District, Urumqi, Xinjiang, China
Tel/Fax: 0991-4529183

### Hengtong (Inner Mongolia) Representative Office

Room 1051-16, 5/F, Changxing Building, Daxue West Street, Saihan District, Hohhot, Inner Mongolia, China
Tel/Fax: 0471-3396565