# Introduction

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A GLOBAL INFORMATION AND ENERGY NETWORK SERVICE PROVIDER

Mainly focusing on the fields of fiber-optic communications and electric power transmission, HENG Tong Opto-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, HENG Tong 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, HENG Tong 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.
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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: Dual PE Sheath
Armor: Glass fiber tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and UIA standards

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

Applications
Direct buried and duct

Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>€2.5μm (850nm/1300nm)</th>
<th>50μm (850nm/1300nm)</th>
<th>€652 (1310nm/1550nm)</th>
<th>€655 (1550nm/1425nm)</th>
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<tbody>
<tr>
<td>Max attenuation</td>
<td>35/1.5</td>
<td>35/1.5</td>
<td>36/0.22</td>
<td>22/0.26</td>
</tr>
<tr>
<td>Typical attenuation</td>
<td>30/1.0</td>
<td>30/1.0</td>
<td>30/0.11</td>
<td>21/0.14</td>
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</tbody>
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Technical Specification

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Maximum cores</th>
<th>Tensile Strength</th>
<th>Crush Resistance</th>
<th>Minimum bend radius</th>
<th>Cable diameter</th>
<th>Cable weight</th>
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<td></td>
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<td>287</td>
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</tbody>
</table>

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical values; 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: Dual PE Sheath
Armor: Glass fiber tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and UIA 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 glass fiber tape

Applications
Direct buried and duct

Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>€2.5μm (850nm/1300nm)</th>
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<td>22/0.26</td>
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<td>30/0.11</td>
<td>21/0.14</td>
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Technical Specification

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<td>1000</td>
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<td></td>
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<td>1000</td>
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<td>246</td>
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<tr>
<td>GYFTY83</td>
<td>144</td>
<td>3000</td>
<td>1000</td>
<td>25.0</td>
<td>12.5</td>
<td>287</td>
</tr>
</tbody>
</table>

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

**U-Tube™ Air-Blowing Micro Optic Fiber Cable**

- **Fiber Transmission Performance**
  - Cable: 62.5/125μm, 50/125μm, 655/1310nm, 1550nm
  - Max attenuation: 3.5/2.5, 3.5/2.5, 0.35/0.21, 0.25/0.18
  - Typical value: 3.5/2.5, 3.5/2.5, 0.35/0.21, 0.25/0.18

- **Technical Specification**
  - Cable type: GCFY, GCFY, GCFY, GCFY
  - Maximum cores: 48, 68, 56, 120
  - Tensile Strength: 0.6G, 0.6G, 0.6G, 0.6G
  - Crush Resistance: 450, 450, 450, 450
  - Minimum bend radius: Short term: 100, 100, 100, 100; Long term: 100, 100, 100, 100
  - Cable diameter: 5.0, 5.0, 5.0, 5.0
  - Cable weight: 23, 32, 35, 58

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

**Applications**
- Air blowing micro duct

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**GPTA33**

**Drainage Pipe Optic Fiber Cable**

- **Fiber Transmission Performance**
  - Cable: 62.5/125μm, 50/125μm, 655/1310nm, 1550nm
  - Max attenuation: 3.5/2.5, 3.5/2.5, 0.35/0.21, 0.25/0.18
  - Typical value: 3.5/2.5, 3.5/2.5, 0.35/0.21, 0.25/0.18

- **Technical Specification**
  - Cable type: GPTA33, GPTA33
  - Maximum cores: 36, 72
  - Tensile Strength: 10000, 10000
  - Crush Resistance: 3000, 3000
  - Minimum bend radius: Long term: 5000, 5000; Short term: 1500, 1500
  - Cable diameter: 20, 20
  - Cable weight: 483, 676

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

**Applications**
- Drainage pipe

---

Notes:
1. D: denotes the diameter of the cable.
2. The above parameters are typical values.
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 Construction: Single jacket tube
- Strength Member: FRP
- Sheath Options: Single PE Sheath
- Armour: 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**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>62.5um (850nm/1300nm)</th>
<th>10um (850nm/1300nm)</th>
<th>6.652 (1310nm/1550nm)</th>
<th>6.655 (1550nm/1425nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.36/0.22</td>
<td>0.27/0.16</td>
</tr>
<tr>
<td>Typical value</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.34/0.14</td>
<td>0.21/0.14</td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Maximum stress (N/m)</th>
<th>Tensile strength (MPa)</th>
<th>Crush Resistance (MPa)</th>
<th>Minimum bending radius (mm)</th>
<th>Cable diameter (mm)</th>
<th>Cable weight (g/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFCB8Y</td>
<td>6</td>
<td>1500</td>
<td>600</td>
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<tr>
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<td>600</td>
<td>1000</td>
<td>300</td>
<td>6.8 x 14.3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>300</td>
<td>6.8 x 14.3</td>
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<tr>
<td></td>
<td>24</td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>300</td>
<td>6.8 x 14.7</td>
</tr>
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</table>

Notes:
1. D denotes the diameter of the cable.
2. The above parameters are typical values.
3. The cable spec can be designed according to customer’s requirements.

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**GYFXT8Y**

All Dielectric Self-supporting Drop Cable

**Technical data**
- Fiber: Up to 24, Gel-filled
- Fiber Types: Single-mode and Multimode
- Cable Construction: Central tube
- Strength Member: FRP
- Sheath Options: Single PE Sheath
- Armour: 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**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>62.5um (850nm/1300nm)</th>
<th>10um (850nm/1300nm)</th>
<th>6.652 (1310nm/1550nm)</th>
<th>6.655 (1550nm/1425nm)</th>
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<td>0.27/0.16</td>
</tr>
<tr>
<td>Typical value</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.34/0.14</td>
<td>0.21/0.14</td>
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<table>
<thead>
<tr>
<th>Cable type</th>
<th>Maximum stress (N/m)</th>
<th>Tensile strength (MPa)</th>
<th>Crush Resistance (MPa)</th>
<th>Minimum bending radius (mm)</th>
<th>Cable diameter (mm)</th>
<th>Cable weight (g/km)</th>
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<tr>
<td>GYFXT8Y</td>
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<td>600</td>
<td>1000</td>
<td>300</td>
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<tr>
<td></td>
<td>12</td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>300</td>
<td>6.8 x 14.3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>300</td>
<td>6.8 x 14.3</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>300</td>
<td>6.8 x 14.7</td>
</tr>
</tbody>
</table>

Notes:
1. D denotes the diameter of the cable.
2. The above parameters are typical values.
3. The cable spec can be designed according to customer’s requirements.
**GYFXTF**

**All Dielectric Self-supporting Drop Cable**

**Technical data**
- Fiber: Up to 24, Gel-filled
- Fiber Type: 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 USA 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**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>€2.5μm (550nm/1300nm)</th>
<th>15μm (1310nm/1550nm)</th>
<th>€6.5μ (1310nm/1550nm)</th>
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<td>Typical value</td>
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**Technical Specification**

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Maximum cores</th>
<th>Tensile Strength</th>
<th>Crush Resistance</th>
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<th>Static</th>
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<tr>
<td>GYFXTW</td>
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<td>7.5</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

**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 requirement.

---

**GYFXTFW**

**All Dielectric Self-supporting Drop Cable**

**Technical data**
- Fiber: Up to 24, Gel-filled
- Fiber Type: 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 USA 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**

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<tr>
<th>Cabled Optical Fiber (dB/km)</th>
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<td>100</td>
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<td>36</td>
<td></td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>62.5μm/50μm (1300nm/1550nm)</th>
<th>50μm/1300nm</th>
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<td>3.0/3.0</td>
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<td>0.21/0.14</td>
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**Technical Specification**

<table>
<thead>
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<th>Cable Type</th>
<th>Copper Type</th>
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<th>Crush Resistance</th>
<th>Minimum Bend Radius</th>
<th>Cable Diameter</th>
<th>Cable Weight</th>
</tr>
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<tbody>
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<td>1500</td>
<td>1000</td>
<td>100</td>
<td>12.7</td>
<td>375</td>
</tr>
<tr>
<td>GOTA</td>
<td>2x3.5</td>
<td>60</td>
<td>1500</td>
<td>1000</td>
<td>100</td>
<td>18.7</td>
<td>100</td>
</tr>
<tr>
<td>GOTA</td>
<td>2x4.8</td>
<td>60</td>
<td>1500</td>
<td>1000</td>
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<td>GOTA</td>
<td>2x6.0</td>
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<td>1000</td>
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<td>15.1</td>
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<tr>
<td>GOTA</td>
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<td>1000</td>
<td>100</td>
<td>15.5</td>
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<tr>
<td>GOTA</td>
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<td>1000</td>
<td>1000</td>
<td>100</td>
<td>18.1</td>
<td>450</td>
</tr>
</tbody>
</table>

Notes: 1. D denotes the diameter of the cable. 2. The above parameters are typical values. 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 Construction:** S-Z Stranded loose tube
- **Strength Member:** FRP
- **Sheath Options:** Single PE Sheath
- **Armour:** Aluminum tape
- **Operating Temperature:** -40°C to 70°C
- **Compliance:** In accordance with IEC, ITU and EU standards

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

**Applications**
Optical and electrical hybrid cable for access network

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### GYFTA74
#### Anti-rodent Optic Fiber Cable

**Technical data**
- **Fiber:** Up to 288, Gel-filled
- **Fiber Types:** Single-mode and Multimode
- **Cable Construction:** S-Z Stranded loose tube
- **Strength Member:** FRP
- **Sheath Options:** Triple Sheath
- **Armour:** Aluminium tape & glass fiber yarn
- **Operating Temperature:** -40°C to 70°C
- **Compliance:** In accordance with IEC, ITU and EU standards

**Features**
- Excellent mechanical and environmental performance
- Good water resistance performance
- Outer sheath resist solar radiation
- Triple sheath with double armor
- Armored with anti-moisture aluminium tape and glass fiber yarn

**Applications**
Anti-rodent environment

### Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cable (dB/km)</th>
<th>62.5μm (850nm/1300nm)</th>
<th>50μm (850nm/1300nm)</th>
<th>6.65 (1310nm/1550nm)</th>
<th>6.65 (1550nm/1485nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>3.5/3.5</td>
<td>3.5/3.5</td>
<td>0.36/0.22</td>
<td>0.22/0.16</td>
</tr>
<tr>
<td>Typical value</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.36/0.22</td>
<td>0.22/0.16</td>
</tr>
</tbody>
</table>

### Technical Specification

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Copper Type</th>
<th>Maximum Cores</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N)</th>
<th>Minimum Bend Radius Dynamic (mm)</th>
<th>Static (mm)</th>
<th>Cable Diameter (mm)</th>
<th>Cable Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDFTA</td>
<td>2X1.0</td>
<td>36</td>
<td>1500</td>
<td>100</td>
<td>2000</td>
<td>100</td>
<td>12.7</td>
<td>115</td>
</tr>
<tr>
<td>GDFTA</td>
<td>2X1.5</td>
<td>36</td>
<td>1500</td>
<td>100</td>
<td>2000</td>
<td>100</td>
<td>12.7</td>
<td>115</td>
</tr>
<tr>
<td>GDFTA</td>
<td>2X2.0</td>
<td>36</td>
<td>1500</td>
<td>100</td>
<td>2000</td>
<td>100</td>
<td>12.7</td>
<td>115</td>
</tr>
<tr>
<td>GDFTA</td>
<td>2X3.5</td>
<td>36</td>
<td>1500</td>
<td>100</td>
<td>2000</td>
<td>100</td>
<td>12.7</td>
<td>115</td>
</tr>
<tr>
<td>GDFTA</td>
<td>2X5.0</td>
<td>36</td>
<td>1500</td>
<td>100</td>
<td>2000</td>
<td>100</td>
<td>12.7</td>
<td>115</td>
</tr>
</tbody>
</table>

**Notes:**
1. 3 denotes the diameter of the cable
2. The above parameters are typical values
3. The cable spec can be designed according to customer’s requirement

---

### Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cable (dB/km)</th>
<th>62.5μm (850nm/1300nm)</th>
<th>50μm (850nm/1300nm)</th>
<th>6.65 (1310nm/1550nm)</th>
<th>6.65 (1550nm/1485nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>3.5/3.5</td>
<td>3.5/3.5</td>
<td>0.36/0.22</td>
<td>0.22/0.16</td>
</tr>
<tr>
<td>Typical value</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.36/0.22</td>
<td>0.22/0.16</td>
</tr>
</tbody>
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### Technical Specification

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Maximum Cores</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N)</th>
<th>Minimum Bend Radius Dynamic (mm)</th>
<th>Static (mm)</th>
<th>Cable Diameter (mm)</th>
<th>Cable Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFTA</td>
<td>36</td>
<td>3000</td>
<td>1000</td>
<td>250</td>
<td>12.0</td>
<td>13.5</td>
<td>155</td>
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<tr>
<td>GYFTA</td>
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<td>250</td>
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<td>13.5</td>
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<td>GYFTA</td>
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<td>3000</td>
<td>1000</td>
<td>250</td>
<td>12.0</td>
<td>13.5</td>
<td>155</td>
</tr>
<tr>
<td>GYFTA</td>
<td>36</td>
<td>3000</td>
<td>1000</td>
<td>250</td>
<td>12.0</td>
<td>13.5</td>
<td>155</td>
</tr>
</tbody>
</table>

**Notes:**
1. 3 denotes the diameter of the cable
2. The above parameters are typical values
3. The cable spec can be designed according to customer’s requirement
**GYFTA84**

**Anti-roten Optic Fiber Cable**

- **Inner sheath**: Jelly
- **Outer sheath**: Metal tape, Outer sheath
- **Central strength member**: Aluminum tape+glass fiber tape
- **Leakage tube**: Polyamide outer sheath
- **Optical fiber**: Optical fiber

**Technical data**

- **Fiber**: Up to 248, G.652, G.654, G.655, G.657a
- **Fiber Types**: Single mode and Multimode
- **Cable Construction**: 12/24/36/48 Stranded loose tube
- **Strength Member**: FRP
- **Sheath Options**: Triple Sheath
- **Armor**: Aluminum tape + glass fiber tape
- **Operating Temperature**: -40°C ~ 70°C
- **Compliance**: In accordance with IEC, ITU and EIA standards

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>62.5um (850nm/1300nm)</th>
<th>50um (850nm/1300nm)</th>
<th>G.652 (1310nm/1550nm)</th>
<th>G.655 (1550nm/1625nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.26/0.22</td>
<td>0.22/0.16</td>
</tr>
<tr>
<td>Typical value</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.40/0.11</td>
<td>0.11/0.14</td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable Type/Max Cores</th>
<th>Tensile Strength (Short term)</th>
<th>Crush Resistance (Short term)</th>
<th>Minimum Bend Radius (Dynamic/Static)</th>
<th>Cable Diameter</th>
<th>Cable Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYFTA84 36</td>
<td>1000</td>
<td>1000</td>
<td>150/12.50</td>
<td>18.1</td>
<td>17.2</td>
</tr>
<tr>
<td>CYFTA84 22</td>
<td>1000</td>
<td>1000</td>
<td>150/12.50</td>
<td>18.1</td>
<td>17.2</td>
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<tr>
<td>CYFTA84 12</td>
<td>1000</td>
<td>1000</td>
<td>150/12.50</td>
<td>18.1</td>
<td>17.2</td>
</tr>
<tr>
<td>CYFTA84 96</td>
<td>1000</td>
<td>1000</td>
<td>150/12.50</td>
<td>18.1</td>
<td>17.2</td>
</tr>
</tbody>
</table>

**GYFTA2SR3**

**Anti-roten Optic Fiber Cable**

- **Inner sheath**: Jelly
- **Outer sheath**: Metal tape, Outer sheath
- **Central strength member**: Aluminum tape+glass fiber tape
- **Leakage tube**: Polyamide outer sheath
- **Optical fiber**: Optical fiber

**Technical data**

- **Fiber**: Up to 248, G.652, G.654, G.655, G.657a
- **Fiber Types**: Single mode and Multimode
- **Cable Construction**: 12/24/36/48 Stranded loose tube
- **Strength Member**: Steel wire
- **Sheath Options**: Double PE Sheath
- **Armor**: Aluminum tape + Stainless Steel tape
- **Operating Temperature**: -40°C ~ 70°C
- **Compliance**: In accordance with IEC, ITU and EIA standards

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>62.5um (850nm/1300nm)</th>
<th>50um (850nm/1300nm)</th>
<th>G.652 (1310nm/1550nm)</th>
<th>G.655 (1550nm/1625nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.36/0.22</td>
<td>0.22/0.16</td>
</tr>
<tr>
<td>Typical value</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.40/0.11</td>
<td>0.11/0.14</td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable Type/Max Cores</th>
<th>Tensile Strength (Short term)</th>
<th>Crush Resistance (Short term)</th>
<th>Minimum Bend Radius (Dynamic/Static)</th>
<th>Cable Diameter</th>
<th>Cable Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFTA2SR3 36</td>
<td>1000</td>
<td>1000</td>
<td>150/12.50</td>
<td>18.1</td>
<td>17.2</td>
</tr>
<tr>
<td>GYFTA2SR3 24</td>
<td>1000</td>
<td>1000</td>
<td>150/12.50</td>
<td>18.1</td>
<td>17.2</td>
</tr>
<tr>
<td>GYFTA2SR3 12</td>
<td>1000</td>
<td>1000</td>
<td>150/12.50</td>
<td>18.1</td>
<td>17.2</td>
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<td>1000</td>
<td>150/12.50</td>
<td>18.1</td>
<td>17.2</td>
</tr>
</tbody>
</table>

**Notes:**

1. D denotes the diameter of the cable.
2. The above parameters are typical values.
3. The cable spec can be designed according to customers’ requirements.
GYFS
A-Dry™ Type Optic Fiber Cable

Technical data
- Fiber: Up to 248, Dry water-blocking material
- Fiber Types: Single-mode and Multimode
- Cable Construction: 2 Stranded loose tube
- Strength Member: FRP
- Sheath Options: Single PE Sheath
- Armor: Corrugated steel tape
- Operating Temperature: -40°C - 70°C
- Compliance: In accordance with IEC, ITU and 50 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
Dust and non-self-supporting aerial

Fiber Transmission Performance
<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>6.5μm</th>
<th>10μm</th>
<th>6.65μm</th>
<th>6.65μm</th>
</tr>
</thead>
<tbody>
<tr>
<td>(850nm/1300nm)</td>
<td>(850nm/1300nm)</td>
<td>(1310nm/1550nm)</td>
<td>(1550nm/1485nm)</td>
<td></td>
</tr>
<tr>
<td>Max attenuation</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.26/0.22</td>
<td>0.23/0.19</td>
</tr>
<tr>
<td>Typical value</td>
<td>1.0/0.8</td>
<td>1.0/0.8</td>
<td>0.26/0.11</td>
<td>0.23/0.14</td>
</tr>
</tbody>
</table>

Technical Specification
<table>
<thead>
<tr>
<th>Cable type</th>
<th>Maximum cores</th>
<th>Tensile Strength</th>
<th>Crush Resistance</th>
<th>Minimum bend radius</th>
<th>Cable diameter</th>
<th>Cable weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFS</td>
<td>48</td>
<td>2700</td>
<td>1000</td>
<td>2200</td>
<td>600</td>
<td>12.1</td>
</tr>
<tr>
<td>GYFS</td>
<td>72</td>
<td>2700</td>
<td>1000</td>
<td>2200</td>
<td>600</td>
<td>12.1</td>
</tr>
</tbody>
</table>

Notes: 1. 20% refers to the diameter of the cable; 2. The above parameters are typical values; 3. The cable can be designed according to customer requirements.

GYFY
A-Dry™ Type Optic Fiber Cable

Technical data
- Fiber: Up to 248, Dry water-blocking material
- Fiber Types: Single-mode and Multimode
- Cable Construction: 2 Stranded loose tube
- Strength Member: FRP
- Sheath Options: Single PE Sheath
- Armor: Hose
- Operating Temperature: -40°C - 70°C
- Compliance: In accordance with IEC, ITU and 50 standards

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

Applications
Dust and non-self-supporting aerial

Fiber Transmission Performance
<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>6.5μm</th>
<th>10μm</th>
<th>6.65μm</th>
<th>6.65μm</th>
</tr>
</thead>
<tbody>
<tr>
<td>(850nm/1300nm)</td>
<td>(850nm/1300nm)</td>
<td>(1310nm/1550nm)</td>
<td>(1550nm/1485nm)</td>
<td></td>
</tr>
<tr>
<td>Max attenuation</td>
<td>3.5/1.6</td>
<td>3.5/1.6</td>
<td>0.26/0.22</td>
<td>0.23/0.19</td>
</tr>
<tr>
<td>Typical value</td>
<td>1.0/1.0</td>
<td>1.0/1.0</td>
<td>0.26/0.11</td>
<td>0.23/0.14</td>
</tr>
</tbody>
</table>

Technical Specification
<table>
<thead>
<tr>
<th>Cable type</th>
<th>Maximum cores</th>
<th>Tensile Strength</th>
<th>Crush Resistance</th>
<th>Minimum bend radius</th>
<th>Cable diameter</th>
<th>Cable weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFY</td>
<td>48</td>
<td>2700</td>
<td>1000</td>
<td>2000</td>
<td>160</td>
<td>12.8</td>
</tr>
<tr>
<td>GYFY</td>
<td>72</td>
<td>2700</td>
<td>1000</td>
<td>2000</td>
<td>160</td>
<td>12.8</td>
</tr>
</tbody>
</table>

Notes: 1. 20% refers to the diameter of the cable; 2. The above parameters are typical values; 3. The cable can be designed according to customer requirements.
ADSS
A-Dry™ Type Optic Fiber Cable

Technical data
Fiber: Up to 288, Water blocking material
Fiber Types: Single-mode and Multimode
Cable Construction: S.Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Armored yarn
Operating Temperature: -40°C ~ 70°C
Compliance: In accordance with IEC, ITU and EU 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 armoured yarn

Applications
Duct and non-self supporting aerial

TLC

Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (db/km)</th>
<th>62.5µm (850nm/1300nm)</th>
<th>50µm (850nm/1300nm)</th>
<th>6.652 (1310nm/1550nm)</th>
<th>6.655 (1550nm/1425nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>35/1.5</td>
<td>35/1.5</td>
<td>0.16/0.22</td>
<td>0.22/0.26</td>
</tr>
<tr>
<td>Typical value</td>
<td>35/1.5</td>
<td>35/1.5</td>
<td>0.16/0.11</td>
<td>0.21/0.14</td>
</tr>
</tbody>
</table>

Technical Specification

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Maximum cores</th>
<th>Tensile Strength</th>
<th>Crush Resistance</th>
<th>Minimum bend radius</th>
<th>Cable diameter</th>
<th>Cable weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADSS</td>
<td>24</td>
<td>6000</td>
<td>1000</td>
<td>220</td>
<td>100</td>
<td>15.6</td>
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<td>15.6</td>
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<tr>
<td>ADSS</td>
<td>72</td>
<td>6000</td>
<td>2000</td>
<td>220</td>
<td>100</td>
<td>15.6</td>
</tr>
</tbody>
</table>

Notes: 1. Ø denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable size 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 Construction: S.Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single LSZH Sheath
Armor: Aluminum tape
Operating Temperature: -40°C ~ 70°C
Compliance: In accordance with IEC, ITU and EU 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

TLC

Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (db/km)</th>
<th>62.5µm (850nm/1300nm)</th>
<th>50µm (850nm/1300nm)</th>
<th>6.652 (1310nm/1550nm)</th>
<th>6.655 (1550nm/1425nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>35/1.5</td>
<td>35/1.5</td>
<td>0.16/0.22</td>
<td>0.22/0.26</td>
</tr>
<tr>
<td>Typical value</td>
<td>35/1.5</td>
<td>35/1.5</td>
<td>0.16/0.11</td>
<td>0.21/0.14</td>
</tr>
</tbody>
</table>

Technical Specification

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Maximum cores</th>
<th>Tensile Strength</th>
<th>Crush Resistance</th>
<th>Minimum bend radius</th>
<th>Cable diameter</th>
<th>Cable weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYZA</td>
<td>36</td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>100</td>
<td>15.6</td>
</tr>
<tr>
<td></td>
<td>72</td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>100</td>
<td>15.6</td>
</tr>
<tr>
<td>GYZA</td>
<td>144</td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>100</td>
<td>15.6</td>
</tr>
</tbody>
</table>

Notes: 1. Ø denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable size can be designed according to customer’s requirement.
GYFZY
Flame-retardant Optic Fiber Cable

**Technical data**
- Fiber: Up to 248, Gel-filled
- Fiber Types: Single-mode and Multimode
- Cable Constructions: SJJ Stranded loose tube
- Strength Member: 8, 9.5 mm steel wire
- Sheath Options: Single LSZH Sheath, Double Sheath (LSZH + PE), Double Sheath (LSZH + HDPE), Double Sheath (LSZH + Aramid)
- Operating Temperature: -40°C to 70°C
- Compliances: In accordance with IEC, ITU, 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

---

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, Armored Corrugated steel tape
- Operating Temperature: -40°C to 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
- Aramid with anti-moisture corrugated steel tape

**Applications**
Dust and direct buried

---

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (db/km)</th>
<th>€2.5μm (850nm/1300nm)</th>
<th>15μm (850nm/1300nm)</th>
<th>€6.55 (1310nm/1550nm)</th>
<th>€6.55 (1550nm/1425nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>3.1/3.5</td>
<td>3.1/3.5</td>
<td>0.36/0.22</td>
<td>0.22/0.26</td>
</tr>
<tr>
<td>Typical value</td>
<td>2.0/1.0</td>
<td>2.0/1.0</td>
<td>0.15/0.11</td>
<td>0.11/0.14</td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Maximum Cores</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (Pa)</th>
<th>Minimum Bend Radius</th>
<th>Cable Diameter (mm)</th>
<th>Cable Weight (g/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFZY</td>
<td>16</td>
<td>3500</td>
<td>1000</td>
<td>300</td>
<td>20D</td>
<td>10.8</td>
</tr>
<tr>
<td></td>
<td>72</td>
<td>1500</td>
<td>1000</td>
<td>300</td>
<td>100</td>
<td>11.4</td>
</tr>
<tr>
<td>GYFZY</td>
<td>144</td>
<td>1500</td>
<td>1000</td>
<td>300</td>
<td>20D</td>
<td>15.8</td>
</tr>
<tr>
<td>GLXTW</td>
<td>12</td>
<td>1500</td>
<td>1000</td>
<td>300</td>
<td>20D</td>
<td>8.5</td>
</tr>
<tr>
<td>GLXTW</td>
<td>24</td>
<td>1500</td>
<td>1000</td>
<td>300</td>
<td>20D</td>
<td>9.5</td>
</tr>
</tbody>
</table>

Notes: 1. D denotes the diameter of the cable. 2. The above parameters are typical values. 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 Construction: 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

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Max. attenuation (dB/km)</th>
<th>Typical value (dB/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLXTBW</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (MPa)</th>
<th>Minimum bend radius (mm)</th>
<th>Cable Diameter (mm)</th>
<th>Cable Weight (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLXTBW</td>
<td>24</td>
<td>1500</td>
<td>1000</td>
<td>300</td>
<td>6.2 x 8.5</td>
</tr>
</tbody>
</table>

Notes: 1. D denotes the diameter of the cable. 2. The above parameters are typical values. 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 Construction: 52 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

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Max. attenuation (dB/km)</th>
<th>Typical value (dB/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYTC8S</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (MPa)</th>
<th>Minimum bend radius (mm)</th>
<th>Cable Diameter (mm)</th>
<th>Cable Weight (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYTC8S</td>
<td>30</td>
<td>1000</td>
<td>1000</td>
<td>300</td>
<td>6.1 x 14.9</td>
</tr>
<tr>
<td>GYTC8S</td>
<td>60</td>
<td>1000</td>
<td>1000</td>
<td>300</td>
<td>6.1 x 17.9</td>
</tr>
<tr>
<td>GYTC8S</td>
<td>30</td>
<td>4500</td>
<td>1500</td>
<td>300</td>
<td>6.1 x 17.5</td>
</tr>
<tr>
<td>GYTC8S</td>
<td>60</td>
<td>4500</td>
<td>1500</td>
<td>300</td>
<td>6.1 x 18.5</td>
</tr>
<tr>
<td>GYTC8S</td>
<td>30</td>
<td>7000</td>
<td>2000</td>
<td>300</td>
<td>6.1 x 18.7</td>
</tr>
<tr>
<td>GYTC8S</td>
<td>60</td>
<td>7000</td>
<td>2000</td>
<td>300</td>
<td>6.1 x 19.7</td>
</tr>
</tbody>
</table>

Notes: 1. D denotes the diameter of the cable. 2. The above parameters are typical values. 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 248, Gel-filled
- Fiber Types: Single-mode and Multimode
- Cable Construction: S2 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 ISA 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 IEC60332-1-25
- Comply with IEC61034-2 Test method (Smoke density:9-50%)

**Applications**
- Applications for indoor and outdoor system
- Application for subway, railway or tunnel system

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**GYFZS (All-Dry)**
High Flame-retardant And Fire-resistant Cable

**Technical data**
- Fiber: up to 248, dry water blocking material
- Fiber Types: Single-mode and Multimode
- Cable Construction: S2 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 ISA 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 IEC60332-1-25
- Comply with IEC61034-2

**Applications**
- Applications for indoor and outdoor system
- Application for subway, railway or tunnel system

---

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>82.5μm (850nm/1300nm)</th>
<th>15μm (650nm/1300nm)</th>
<th>6.65μm (1310nm/1550nm)</th>
<th>6.65μm (1550nm/1215nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation</td>
<td>3.9/3.9</td>
<td>3.9/3.9</td>
<td>3.6/3.2</td>
<td>2.7/2.7</td>
</tr>
<tr>
<td>Typical value</td>
<td>3.0/1.6</td>
<td>3.0/1.6</td>
<td>3.0/1.1</td>
<td>2.1/1.4</td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Maximum cores</th>
<th>Tensile Strength</th>
<th>Crush Resistance</th>
<th>Minimum bend radius</th>
<th>Cable diameter</th>
<th>Cable weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Short term</td>
<td>Long term</td>
<td>Dynamic</td>
<td>Static</td>
<td></td>
</tr>
<tr>
<td>GYFZS 24</td>
<td></td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>300</td>
<td>22.7</td>
</tr>
<tr>
<td>GYFZS 48</td>
<td></td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>300</td>
<td>22.7</td>
</tr>
<tr>
<td>GYFZS 96</td>
<td></td>
<td>1500</td>
<td>600</td>
<td>1000</td>
<td>300</td>
<td>22.7</td>
</tr>
</tbody>
</table>

Notes: 1. D denotes the diameter of the cable. 2. The above parameters are typical values. 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 Type: Single-mode and Multimode
Cable Construction: S Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double LSZH Sheath
Armed: Corrugated steel tape armored wires
Operating Temperature: -40°C-70°C
Compliance: In accordance with IEC, ITU and FAA standards

Features
- High flame-retardant and fire-resistant performance
- Good water-resistance performance
- Comply with IEC60332-1-2, IEC60332-3-24, IEC61034:1-2
- Comply with IEC60331-125, B5E157
- Comply with IEC60331

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

Fiber Transmission Performance
<table>
<thead>
<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>€2.5um</th>
<th>50um</th>
<th>€652</th>
<th>€655</th>
</tr>
</thead>
<tbody>
<tr>
<td>at 850nm/1300nm</td>
<td>0.75/1.5</td>
<td>3/3.0</td>
<td>0.26/0.12</td>
<td>0.22/0.16</td>
</tr>
<tr>
<td>Typical value</td>
<td>3/3.0</td>
<td>3/3.0</td>
<td>0.26/0.12</td>
<td>0.22/0.16</td>
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</tbody>
</table>

Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Maximum cores</th>
<th>Tensile Strength</th>
<th>Crush Resistance</th>
<th>Minimum Bend Radius</th>
<th>Cable diameter</th>
<th>Cable weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFZS33</td>
<td>24</td>
<td>60000</td>
<td>1000</td>
<td>15.0</td>
<td>25.0</td>
<td>15.0</td>
</tr>
<tr>
<td>GYFZS33</td>
<td>48</td>
<td>60000</td>
<td>1000</td>
<td>15.0</td>
<td>25.0</td>
<td>15.0</td>
</tr>
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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 Type: Single-mode and Multimode
Cable Construction: S Z Stranded loose tube
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Sheath Options: Double LSZH Sheath
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Operating Temperature: -40°C-70°C
Compliance: In accordance with IEC, ITU and FAA standards

Features
- High flame-retardant and fire-resistant performance
- Good water-resistance performance
- Comply with IEC60332-1-2, IEC60332-3-24, IEC61034:1-2
- Comply with IEC60331-125
- Comply with IEC60334 Test method (Smoke density>50%)

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

Fiber Transmission Performance
<table>
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<tr>
<th>Cabled Optical Fiber (dB/km)</th>
<th>€2.5um</th>
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<td>Typical value</td>
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<td>3/3.0</td>
<td>0.26/0.12</td>
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<td>15.0</td>
<td>25.0</td>
<td>12.0</td>
</tr>
<tr>
<td>GYFZS33</td>
<td>48</td>
<td>60000</td>
<td>1000</td>
<td>15.0</td>
<td>25.0</td>
<td>12.0</td>
</tr>
</tbody>
</table>

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.