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.
### Tight Buffered Fiber Interconnect Cable

**Features**
- Good flexibility, suitable for making patch cord and pigtail;
- Small bending radius, compact and lightweight.

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

### Simplex Round Indoor Cable Interconnect Cable

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

**Applications**
Indoor cabling; Pigtail and patch cord in communication equipments.

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

### Fiber Transmission Performance

#### Simplex Round Indoor Cable

<table>
<thead>
<tr>
<th>Cabled Optical Fiber</th>
<th>62.5µm (850nm/1300nm)</th>
<th>50µm (1300nm/1550nm)</th>
<th>G.652 (1310nm/1550nm)</th>
<th>G.657 (1310nm/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation (dB/km)</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.4/0.3</td>
<td>0.4/0.3</td>
</tr>
<tr>
<td>Typical value (dB/km)</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.36/0.22</td>
<td>0.36/0.22</td>
</tr>
</tbody>
</table>

#### Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Cable diameter (µm)</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N/100m)</th>
<th>Minimum bend radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tight Buffered Fiber</td>
<td>1</td>
<td>0.5</td>
<td>/</td>
<td>/</td>
<td>100/50</td>
</tr>
<tr>
<td>Tight Buffered Fiber</td>
<td>2</td>
<td>0.6</td>
<td>/</td>
<td>/</td>
<td>100/50</td>
</tr>
<tr>
<td>Tight Buffered Fiber</td>
<td>1</td>
<td>0.7</td>
<td>/</td>
<td>/</td>
<td>100/50</td>
</tr>
<tr>
<td>Tight Buffered Fiber</td>
<td>2</td>
<td>0.8</td>
<td>/</td>
<td>/</td>
<td>100/50</td>
</tr>
<tr>
<td>Tight Buffered Fiber</td>
<td>1</td>
<td>0.9</td>
<td>/</td>
<td>/</td>
<td>100/50</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.
**Duplex Flat Indoor Cable**

**Interconnect Cable**

### Technical data

**Fiber**
- Up to 2, tight buffered fiber

**Fiber Types**
- Single-mode or multimode

**Cable Types**
- Duplex cable

**Strength Member**
- Aramid yarn

**Sheath Options**
- Single LSZH/PVC sheath

**Operating Temperature**
- -20°C ~ +70°C

**Compliances**
- In Accordance with IEC, ITU and EIA standards

### Features

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

### Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cabled Optical fiber</th>
<th>62.5μm (850nm/1300nm)</th>
<th>50μm (850nm/1300nm)</th>
<th>G.652 (1310nm/1550nm)</th>
<th>G.657 (1310nm/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation (dB/km)</td>
<td>2.5/1.5</td>
<td>3.5/1.5</td>
<td>0.4/0.3</td>
<td>0.4/0.3</td>
</tr>
<tr>
<td>Typical value (dB/km)</td>
<td>2.0/1.0</td>
<td>3.0/1.0</td>
<td>0.6/0.22</td>
<td>0.6/0.22</td>
</tr>
</tbody>
</table>

### Applications

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

### Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Fiber dimension (μm)</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N/100mm)</th>
<th>Dynamic</th>
<th>Static</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.652 (V)</td>
<td>2</td>
<td>1.6×3.3</td>
<td>120</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
<tr>
<td>G.652 (V)</td>
<td>2</td>
<td>1.8×3.7</td>
<td>120</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
<tr>
<td>G.657 (V)</td>
<td>2</td>
<td>2.0×4.1</td>
<td>120</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
<tr>
<td>G.652 (V)</td>
<td>2</td>
<td>2.4×4.9</td>
<td>240</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
<tr>
<td>G.657 (V)</td>
<td>2</td>
<td>2.5×5.1</td>
<td>240</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
<tr>
<td>G.652 (V)</td>
<td>2</td>
<td>2.6×5.7</td>
<td>240</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
<tr>
<td>G.657 (V)</td>
<td>2</td>
<td>3.0×6.1</td>
<td>240</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
</tbody>
</table>

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

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**Duplex Flat Indoor Cable**

**Interconnect Cable**

### Technical data

**Fiber**
- Up to 2, tight buffered fiber

**Fiber Types**
- Single-mode or multimode

**Cable Types**
- Duplex cable

**Strength Member**
- Aramid yarn

**Sheath Options**
- Double LSZH sheath

**Operating Temperature**
- -20°C ~ +70°C

**Compliances**
- In Accordance with IEC, ITU and EIA standards

### Features

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

### Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cabled Optical fiber</th>
<th>62.5μm (850nm/1300nm)</th>
<th>50μm (850nm/1300nm)</th>
<th>G.652 (1310nm/1550nm)</th>
<th>G.657 (1310nm/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation (dB/km)</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.4/0.3</td>
<td>0.4/0.3</td>
</tr>
<tr>
<td>Typical value (dB/km)</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.6/0.22</td>
<td>0.6/0.22</td>
</tr>
</tbody>
</table>

### Applications

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

### Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Fiber dimension (μm)</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N/100mm)</th>
<th>Dynamic</th>
<th>Static</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.652 (V)</td>
<td>2</td>
<td>3.1×4.9</td>
<td>120</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
<tr>
<td>G.652 (V)</td>
<td>2</td>
<td>4.0×7.0</td>
<td>240</td>
<td>500</td>
<td>200</td>
<td>60</td>
</tr>
</tbody>
</table>

Notes: 1. It 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.
Multi Fibers Distribution Indoor Cable I  
Indoor Cabling System

Technical data
Fiber: Up to 24, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Multi-fiber distribution cable  
Strength Member: Aramid yarn  
Sheath Options: Single LSZH/PVC sheath  
Fiber Transmission Performance: In Accordance with IEC, ITU and EIA standards

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

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

Technical Specification
<table>
<thead>
<tr>
<th>Fiber counts</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance N/100mm</th>
<th>Minimum bend radius(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3.6</td>
<td>300 400 150 200</td>
<td>1000 500 200 100</td>
<td>Static</td>
</tr>
<tr>
<td>6</td>
<td>5.2</td>
<td>440 660 220 330</td>
<td>1000 500 200 100</td>
<td>Static</td>
</tr>
<tr>
<td>8</td>
<td>5.8</td>
<td>440 660 220 330</td>
<td>1000 500 200 100</td>
<td>Static</td>
</tr>
<tr>
<td>12</td>
<td>6.3</td>
<td>440 660 220 330</td>
<td>1000 500 200 100</td>
<td>Static</td>
</tr>
<tr>
<td>16</td>
<td>6.9</td>
<td>660 1300 330 630</td>
<td>1000 500 200 100</td>
<td>Static</td>
</tr>
<tr>
<td>18</td>
<td>7.0</td>
<td>660 1300 330 630</td>
<td>1000 500 200 100</td>
<td>Static</td>
</tr>
<tr>
<td>20</td>
<td>8.0</td>
<td>660 1300 330 630</td>
<td>1000 500 200 100</td>
<td>Static</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

Multi Fibers Distribution Indoor Cable II  
Indoor Cabling System

Technical data
Fiber: Up to 144, tight buffered fiber  
Fiber Types: Single-mode or multimode  
Cable Types: Multi-fiber distribution cable  
Strength Member: Aramid yarn and FRP  
Sheath Options: Double LSZH/PVC sheath  
Fiber Transmission Performance: In Accordance with IEC, ITU and EIA standards

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

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

Technical Specification
<table>
<thead>
<tr>
<th>Fiber counts</th>
<th>Sub-unit Unit counts</th>
<th>Sub-unit Diameter (mm)</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance N/100mm</th>
<th>Minimum bend radius(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>6 4 4.5</td>
<td>13.8</td>
<td>1200 600 200 100</td>
<td>Static</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>6 6 4.5</td>
<td>16.8</td>
<td>1600 800 200 100</td>
<td>Static</td>
<td></td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>12 4 5.5</td>
<td>19.9</td>
<td>2000 1000 200 100</td>
<td>Static</td>
<td></td>
<td></td>
</tr>
<tr>
<td>72</td>
<td>12 6 5.5</td>
<td>23.2</td>
<td>3000 1700 200 100</td>
<td>Static</td>
<td></td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>12 12 5.5</td>
<td>26.5</td>
<td>3500 3500 200 100</td>
<td>Static</td>
<td></td>
<td></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
**Multi Fibers Breakout Indoor Cable**

**Indoor Cabling System**

- 92.0mm Sub-unit
- Central strength member
- Wrapping tape
- Outer jacket
- Tight buffer
- Optical fiber
- Aramid yarn
- Inner jacket

### Technical data
- **Fiber:** Up to 60, tight buffered fiber
- **Fiber Types:** Single-mode or multimode
- **Cable Types:** Multi-fiber breakout cable
- **Strength Member:** Aramid yarn and FRP
- **Operating Temperature:** -20°C to 70°C
- **Compliances:** In accordance with IEC, ITU and EIA standards

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

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

### Fiber Transmission Performance

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

### Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Sub-unit diameter (mm)</th>
<th>Cable structure</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(N/100mm)(Minimum bend radius(mm))</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.652(V)</td>
<td>4</td>
<td>2.0</td>
<td>1+4</td>
<td>7.5</td>
<td>400</td>
<td>200/1000/500/100/100/100/100</td>
</tr>
<tr>
<td>G.652(V)</td>
<td>6</td>
<td>2.0</td>
<td>1+6</td>
<td>8.5</td>
<td>600</td>
<td>400/1000/500/100/100/100/100</td>
</tr>
<tr>
<td>G.652(V)</td>
<td>8</td>
<td>2.0</td>
<td>1+8</td>
<td>9.5</td>
<td>660</td>
<td>330/1000/500/100/100/100/100</td>
</tr>
<tr>
<td>G.652(V)</td>
<td>12</td>
<td>2.0</td>
<td>1+12</td>
<td>12.0</td>
<td>1000</td>
<td>500/1000/500/100/100/100/100</td>
</tr>
<tr>
<td>G.652(V)</td>
<td>24</td>
<td>2.0</td>
<td>1+9+15</td>
<td>14.5</td>
<td>1600</td>
<td>900/1000/500/100/100/100/100</td>
</tr>
<tr>
<td>G.657(V)</td>
<td>36</td>
<td>2.0</td>
<td>1+4+12+18</td>
<td>17.5</td>
<td>2200</td>
<td>1100/1000/500/100/100/100/100</td>
</tr>
<tr>
<td>G.657(V)</td>
<td>48</td>
<td>2.0</td>
<td>1+10+10+12</td>
<td>19.5</td>
<td>3000</td>
<td>1500/1000/500/100/100/100/100</td>
</tr>
<tr>
<td>G.657(V)</td>
<td>60</td>
<td>2.0</td>
<td>1+12+12+18+24</td>
<td>22.0</td>
<td>3600</td>
<td>1600/1000/500/100/100/100/100</td>
</tr>
</tbody>
</table>

**Notes:**
1. H denotes the height of the cable.
2. The above parameters are typical values.
3. The cable specification is designed according to customer's requirement.

---

**Optical Fiber Ribbon Indoor Cable**

**Indoor Cabling System**

- Aramid yarn
- Fiber ribbon
- Outer sheath

### Technical data
- **Fiber:** Up to 12
- **Fiber Types:** Single-mode or multimode
- **Cable Types:** Ribbon fiber
- **Strength Member:** Aramid yarn
- **Operating Temperature:** -20°C to 70°C
- **Compliances:** In accordance with IEC, ITU and EIA standards

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

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

### Fiber Transmission Performance

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

### Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Cable dimensions (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(N/100mm)(Minimum bend radius(mm))</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.652(V)</td>
<td>4</td>
<td>2.2×3.2</td>
<td>220</td>
<td>100/500/250/30H/15H/15H/15H</td>
</tr>
<tr>
<td>G.652(V)</td>
<td>6</td>
<td>2.2×4.2</td>
<td>220</td>
<td>100/500/250/30H/15H/15H/15H</td>
</tr>
<tr>
<td>G.652(V)</td>
<td>8</td>
<td>2.2×4.2</td>
<td>220</td>
<td>100/500/250/30H/15H/15H/15H</td>
</tr>
<tr>
<td>G.657(V)</td>
<td>12</td>
<td>2.2×4.7</td>
<td>220</td>
<td>100/500/250/30H/15H/15H/15H</td>
</tr>
</tbody>
</table>

**Notes:**
1. H denotes the height of the cable.
2. The above parameters are typical values.
3. The cable spec can be designed according to customer’s requirement.
### Bow-type Drop Cable

**FTTx Drop Cable**

#### Technical Specification

<table>
<thead>
<tr>
<th>Fiber type</th>
<th>Fiber count</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(N/100mm)</th>
<th>Minimum bend radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GJYF</td>
<td>2</td>
<td>1.6×2.0</td>
<td>200</td>
<td>100</td>
<td>2200</td>
</tr>
<tr>
<td>GJYFH</td>
<td>2</td>
<td>1.6×2.0</td>
<td>80</td>
<td>40</td>
<td>1000</td>
</tr>
<tr>
<td>GJYFCH</td>
<td>2</td>
<td>1.6×3.7</td>
<td>600</td>
<td>300</td>
<td>2200</td>
</tr>
<tr>
<td>GJYFH</td>
<td>4</td>
<td>3.0×2.0</td>
<td>200</td>
<td>100</td>
<td>2200</td>
</tr>
<tr>
<td>GJYFC</td>
<td>4</td>
<td>5.2×2.0</td>
<td>600</td>
<td>300</td>
<td>2200</td>
</tr>
<tr>
<td>GJYFC</td>
<td>4</td>
<td>5.2×2.0</td>
<td>600</td>
<td>300</td>
<td>2200</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.

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

#### Applications
- Used in indoor/outdoor cabling.
- Used as drop cable.

### Round Type Drop Cable

**FTTx Drop Cable**

#### Technical Specification

<table>
<thead>
<tr>
<th>Fiber type</th>
<th>Fiber count</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(N/100mm)</th>
<th>Minimum bend radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GJYF</td>
<td>2</td>
<td>1.6×2.0</td>
<td>200</td>
<td>100</td>
<td>2200</td>
</tr>
<tr>
<td>GJYFH</td>
<td>2</td>
<td>1.6×2.0</td>
<td>80</td>
<td>40</td>
<td>1000</td>
</tr>
<tr>
<td>GJYFCH</td>
<td>2</td>
<td>1.6×3.7</td>
<td>600</td>
<td>300</td>
<td>2200</td>
</tr>
<tr>
<td>GJYFH</td>
<td>4</td>
<td>3.0×2.0</td>
<td>200</td>
<td>100</td>
<td>2200</td>
</tr>
<tr>
<td>GJYFC</td>
<td>4</td>
<td>5.2×2.0</td>
<td>600</td>
<td>300</td>
<td>2200</td>
</tr>
<tr>
<td>GJYFC</td>
<td>4</td>
<td>5.2×2.0</td>
<td>600</td>
<td>300</td>
<td>2200</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.

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

#### Applications
- Used in indoor/outdoor cabling.
- Used as drop cable.
### Armored Bow-type Drop Cable

**FTTx Drop Cable**

#### Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Unit dimension (mm)</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N/100mm)</th>
<th>Minimum bend radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFPH</td>
<td>1</td>
<td>2.0 x 3.0</td>
<td>6.8</td>
<td>200</td>
<td>100</td>
<td>2200</td>
</tr>
<tr>
<td>GYFPH</td>
<td>2</td>
<td>2.0 x 3.0</td>
<td>6.8</td>
<td>200</td>
<td>100</td>
<td>2200</td>
</tr>
<tr>
<td>GYFPH</td>
<td>4</td>
<td>2.0 x 3.0</td>
<td>6.8</td>
<td>200</td>
<td>100</td>
<td>2200</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.

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

#### Applications
Used in indoor/outdoor cabling; Drop in duct.

### Optical Cable For Wireless Remote Radio Unit I

**FTTx Drop Cable**

#### Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Unit dimension (mm)</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N/100mm)</th>
<th>Minimum bend radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFPH</td>
<td>2</td>
<td>7.0</td>
<td>6.8</td>
<td>200</td>
<td>100</td>
<td>2200</td>
</tr>
<tr>
<td>GYFPH</td>
<td>4</td>
<td>7.0</td>
<td>6.8</td>
<td>200</td>
<td>100</td>
<td>2200</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.

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

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

### Fiber Transmission Performance

- **Cabled Optical fiber**
  - 62.5um (850nm/1300nm)
  - 50um (850nm/1300nm)
  - G.652 (1310nm/1550nm)
  - G.657 (1310nm/1550nm)

#### Technical Data

- Max attenuation (dB/km):
  - 62.5um: 3.5/1.5
  - 50um: 3.5/1.5
  - G.652 (1310nm/1550nm): 0.4/0.3
  - G.657 (1310nm/1550nm): 0.4/0.3

#### Features

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

#### Applications
- **Indoor/outdoor horizontal and vertical cabling**.
- **Patch cord in communication equipments**.
- **Specially designed for cabling in base station**.
- **Excellent mechanical and environmental performance**;
- **Small diameter, small bending radius and light weight**;
- **Flame retardant outer sheath offering good protection**;
- **UV and lighting resistance**;
- **All dielectric structure design, without electromagnetic induction effect**.

#### Features

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

#### Applications
- **Specially designed for cabling in base station**.
- **Patch cord in communication equipments**.
- **Indoor/outdoor horizontal and vertical cabling**.

### Notes

- ITU and EIA standards
- Compliances in accordance with IEC, ITU and EIA standards
- Sheath Options: Double LSZH sheath
- Single-mode or multimode fibers
- Drop cable for duct
- FRP andaramid yarn
- Inner LSZH sheath, outer PE sheath
- Double LSZH sheath outer PE sheath
- Inner LSZH sheath, outer PE sheath
- FRP andaramid yarn
- Inner LSZH sheath, outer PE sheath
Optical Cable For Wireless Remote Radio Unit II

FTTx Drop Cable

**Technical data**
- **Fiber**: Up to 4, tight buffered fiber
- **Fiber Types**: Single-mode or multimode
- **Cable Types**: Remote radio unit cable
- **Operating Temperature**: -40°C ~ +80°C
- **Compliances**: In accordance with IEC, ITU and EIA standards

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

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

**Technical Specification**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Fiber counts</th>
<th>Cable Diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(N/100mm)</th>
<th>Minimum Bend Radius(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFJH</td>
<td>2</td>
<td>7.0</td>
<td>400</td>
<td>2200</td>
<td>1100</td>
</tr>
<tr>
<td>GYFJH</td>
<td>4</td>
<td>7.0</td>
<td>400</td>
<td>2200</td>
<td>1100</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.

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber</th>
<th>62.5µm (850nm/1310nm)</th>
<th>50µm (850nm/1310nm)</th>
<th>G.652 (1310nm/1550nm)</th>
<th>G.657 (1310nm/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation (dB/km)</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.4/0.3</td>
<td>0.4/0.3</td>
</tr>
<tr>
<td>Typical value (dB/km)</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.36/0.22</td>
<td>0.36/0.22</td>
</tr>
</tbody>
</table>

Optical Cable For Wireless Remote Radio Unit III

FTTx Drop Cable

**Technical data**
- **Fiber**: Up to 4, tight buffered fiber
- **Fiber Types**: Single-mode or multimode
- **Cable Types**: Remote radio unit cable
- **Operating Temperature**: -40°C ~ +80°C
- **Compliances**: In accordance with IEC, ITU and EIA standards

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

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

**Technical Specification**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Fiber counts</th>
<th>Cable Diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(N/100mm)</th>
<th>Minimum Bend Radius(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GYFJH</td>
<td>2</td>
<td>7.0</td>
<td>600</td>
<td>2200</td>
<td>1100</td>
</tr>
<tr>
<td>GYFJH</td>
<td>4</td>
<td>7.0</td>
<td>600</td>
<td>2200</td>
<td>1100</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.

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cabled Optical Fiber</th>
<th>62.5µm (850nm/1310nm)</th>
<th>50µm (850nm/1310nm)</th>
<th>G.652 (1310nm/1550nm)</th>
<th>G.657 (1310nm/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation (dB/km)</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.4/0.3</td>
<td>0.4/0.3</td>
</tr>
<tr>
<td>Typical value (dB/km)</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.36/0.22</td>
<td>0.36/0.22</td>
</tr>
</tbody>
</table>
Fiber Transmission Performance

Cabled Optical fiber

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

Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(N/100mm)</th>
<th>Minimum bend radius(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G/YFJZH</td>
<td>2</td>
<td>7.0</td>
<td>400</td>
<td>200</td>
<td>3000</td>
</tr>
<tr>
<td>G/YFJZY</td>
<td>2</td>
<td>4.8</td>
<td>800</td>
<td>300</td>
<td>2200</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.

Features

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

Applications

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

Technical data

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

Notes

- ITU and EIA standards
- Compliances
- Operating Temperature
- Sheath Options
- Strength Member
- Cable Types
- Fiber Types

Technical Specification

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Fiber counts</th>
<th>Central tube diameter (mm)</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(N/100mm)</th>
<th>Minimum bend radius(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G/FTYH</td>
<td>2</td>
<td>3.0</td>
<td>4.8</td>
<td>800</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td>G/YFJZH</td>
<td>2</td>
<td>3.0</td>
<td>7.0</td>
<td>800</td>
<td>300</td>
<td>2200</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.
**Optical Cable For Wireless Remote Radio Unit VI**

**FTTx Drop Cable**

**Technical data**
- Fiber: Up to 2, tight buffered fiber
- Fiber Types: Single-mode or multimode
- Cable Types: Remote radio unit cable
- Strength Member: Aramid yarn
- Sheath Options: Inner LSZH sheath, outer PVC sheath
- Operating Temperature: -20°C~+70°C
- Compliances: In accordance with IEC, ITU and EIA standards

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

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

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Sub-unit diameter (mm)</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance/ N/100mm</th>
<th>Min. bend radius/mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.652/J7V</td>
<td>2</td>
<td>0.8</td>
<td>2.5</td>
<td>400</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>1.0</td>
<td>2.5</td>
<td>400</td>
<td>200</td>
<td>100</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.

**Fiber Transmission Performance**

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

**Optical Cable For Wireless Remote Radio Unit VII**

**FTTx Drop Cable**

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

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

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

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Unit diameter (mm)</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance/ N/100mm</th>
<th>Min. bend radius/mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.652/E3</td>
<td>1</td>
<td>2.0/0.70</td>
<td>10.5</td>
<td>500</td>
<td>250</td>
<td>200</td>
</tr>
<tr>
<td>G.657/E3</td>
<td>2</td>
<td>2.0/0.70</td>
<td>10.5</td>
<td>500</td>
<td>250</td>
<td>100</td>
</tr>
<tr>
<td>G.657/E3</td>
<td>4</td>
<td>2.0/0.70</td>
<td>10.5</td>
<td>500</td>
<td>250</td>
<td>100</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.

**Fiber Transmission Performance**

<table>
<thead>
<tr>
<th>Cabled Optical fiber</th>
<th>62.5µm (850nm/1300nm)</th>
<th>50µm (850nm/1300nm)</th>
<th>G.652 (1310nm/1550nm)</th>
<th>G.657 (1310nm/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation (dB/km)</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.4/0.3</td>
<td>0.4/0.3</td>
</tr>
<tr>
<td>Typical value (dB/km)</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.36/0.22</td>
<td>0.36/0.22</td>
</tr>
</tbody>
</table>
**Easy Branches Indoor Riser Cable I**

**Indoor Multi-fiber Riser Cable**

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

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

**Applications**
- Indoor horizontal and vertical cabling

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Diameter (mm)</th>
<th>FRP diameter (mm)</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N/100mm)</th>
<th>Min. bend radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GJPFHJH</td>
<td>2</td>
<td>7.5</td>
<td>1.2</td>
<td>500</td>
<td>250</td>
<td>100</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>4</td>
<td>7.5</td>
<td>1.2</td>
<td>500</td>
<td>250</td>
<td>100</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>8</td>
<td>8.0</td>
<td>1.2</td>
<td>500</td>
<td>250</td>
<td>100</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>12</td>
<td>9.0</td>
<td>1.2</td>
<td>500</td>
<td>250</td>
<td>100</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>18</td>
<td>10.5</td>
<td>1.2</td>
<td>500</td>
<td>250</td>
<td>100</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>24</td>
<td>10.5</td>
<td>1.2</td>
<td>500</td>
<td>250</td>
<td>100</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 requirement

**Easy Branches Indoor Riser Cable II**

**Indoor Multi-fiber Riser Cable**

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

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

**Applications**
- Indoor horizontal and vertical cabling

**Technical Specification**

<table>
<thead>
<tr>
<th>Cabled Optical fiber</th>
<th>62.5µm (850nm/1300nm)</th>
<th>50µm (850nm/1300nm)</th>
<th>6.65G (1310nm/1550nm)</th>
<th>G.657 (1310nm/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max attenuation (dB/km)</td>
<td>3.5/1.5</td>
<td>3.5/1.5</td>
<td>0.4/0.3</td>
<td>0.4/0.3</td>
</tr>
<tr>
<td>Typical value (dB/km)</td>
<td>3/0.3</td>
<td>3/0.3</td>
<td>0.36/0.22</td>
<td>0.36/0.22</td>
</tr>
</tbody>
</table>

**Fiber Transmission Performance**

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Sub-unit</th>
<th>Fiber count</th>
<th>Diameter (mm)</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N/100mm)</th>
<th>Min. bend radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GJPFHJH</td>
<td>12</td>
<td>4</td>
<td>3</td>
<td>0.9</td>
<td>1.2</td>
<td>7.5</td>
<td>500</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>24</td>
<td>6</td>
<td>4</td>
<td>1.1</td>
<td>1.2</td>
<td>8.0</td>
<td>500</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>36</td>
<td>6</td>
<td>6</td>
<td>1.1</td>
<td>1.2</td>
<td>8.0</td>
<td>500</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>48</td>
<td>12</td>
<td>4</td>
<td>1.3</td>
<td>1.2</td>
<td>8.0</td>
<td>500</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>72</td>
<td>12</td>
<td>6</td>
<td>1.3</td>
<td>1.2</td>
<td>10.5</td>
<td>500</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>96</td>
<td>12</td>
<td>8</td>
<td>1.3</td>
<td>1.2</td>
<td>10.5</td>
<td>500</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>144</td>
<td>12</td>
<td>12</td>
<td>1.3</td>
<td>1.2</td>
<td>11.0</td>
<td>500</td>
</tr>
<tr>
<td>GJPFHJH</td>
<td>288</td>
<td>12</td>
<td>24</td>
<td>1.3</td>
<td>1.2</td>
<td>11.0</td>
<td>500</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 requirement
### Technical data

**Fiber**: Up to 24

**Fiber Types**: Single-mode or multimode

**Cable Types**: MPO cable

**Strength Member**: Aramid yarn

**Shaft Options**: Single LSZH/PVC sheath

- **Operating Temperature**: -20°C ~ 70°C
- **Compliances**: In accordance with IEC, ITU and EIA standards

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

### Applications
- Indoor cabling, as fan-out cable.

### Fiber Transmission Performance

**Technical Specification**

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(5/100mm)</th>
<th>Minimum bend radius(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.J(FV)(V)</td>
<td>2</td>
<td>3.0</td>
<td>250</td>
<td>500</td>
<td>200</td>
</tr>
<tr>
<td>G.J(FV)(V)</td>
<td>4</td>
<td>3.0</td>
<td>250</td>
<td>500</td>
<td>200</td>
</tr>
<tr>
<td>G.J(FV)(V)</td>
<td>6</td>
<td>3.0</td>
<td>250</td>
<td>500</td>
<td>200</td>
</tr>
<tr>
<td>G.J(FV)(V)</td>
<td>8</td>
<td>3.0</td>
<td>250</td>
<td>500</td>
<td>200</td>
</tr>
<tr>
<td>G.J(FV)(V)</td>
<td>12</td>
<td>3.0</td>
<td>250</td>
<td>500</td>
<td>200</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.

### Additional Information

- **ITU and EIA Standards Compliances**
- **Optical Fiber**: Single-Mode or Multimode (25G fiber)
- **Min. Operating Temperature**: -20°C
- **Max. Temperature**: 20°
- **Installation Min. Bend Radius**: 10D (1310nm/1550nm)
- **Resistance to Flaming and Retardant**: 0.4/0.3

### Technical Specification

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Central tube dimension (mm)</th>
<th>Cable diameter (mm)</th>
<th>Tensile Strength(N)</th>
<th>Crush Resistance(5/100mm)</th>
<th>Minimum bend radius(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.J(FV)(V)</td>
<td>2</td>
<td>3</td>
<td>5.5</td>
<td>660</td>
<td>1000</td>
<td>200</td>
</tr>
<tr>
<td>G.J(FV)(V)</td>
<td>4</td>
<td>3</td>
<td>5.5</td>
<td>660</td>
<td>1000</td>
<td>200</td>
</tr>
<tr>
<td>G.J(FV)(V)</td>
<td>6</td>
<td>3</td>
<td>5.5</td>
<td>660</td>
<td>1000</td>
<td>200</td>
</tr>
<tr>
<td>G.J(FV)(V)</td>
<td>8</td>
<td>3</td>
<td>5.5</td>
<td>660</td>
<td>1000</td>
<td>200</td>
</tr>
<tr>
<td>G.J(FV)(V)</td>
<td>12</td>
<td>3</td>
<td>5.5</td>
<td>660</td>
<td>1000</td>
<td>200</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.
MPO Patch Cord III
MPO Jumper Wire

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

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

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

Fiber Transmission Performance

<table>
<thead>
<tr>
<th>Cable type</th>
<th>Fiber counts</th>
<th>Unit counts</th>
<th>Diameter (mm)</th>
<th>Tensile Strength (N)</th>
<th>Crush Resistance (N/100mm)</th>
<th>Minimum bend radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.652</td>
<td>24</td>
<td>12</td>
<td>2</td>
<td>3.0</td>
<td>9.5</td>
<td>600</td>
</tr>
<tr>
<td>G.652</td>
<td>48</td>
<td>12</td>
<td>4</td>
<td>3.0</td>
<td>9.5</td>
<td>600</td>
</tr>
<tr>
<td>G.652</td>
<td>72</td>
<td>12</td>
<td>6</td>
<td>3.0</td>
<td>12.5</td>
<td>800</td>
</tr>
<tr>
<td>G.652</td>
<td>96</td>
<td>12</td>
<td>8</td>
<td>3.0</td>
<td>15.5</td>
<td>1000</td>
</tr>
<tr>
<td>G.652</td>
<td>144</td>
<td>12</td>
<td>12</td>
<td>3.0</td>
<td>17.5</td>
<td>1500</td>
</tr>
<tr>
<td>G.652</td>
<td>288</td>
<td>12</td>
<td>24</td>
<td>3.0</td>
<td>21.0</td>
<td>3000</td>
</tr>
</tbody>
</table>

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

Contact Information
info@hengtonggroup.com

Africa Region
- DR Congo
- Ethiopia
- Kenya
- Republic of the Congo
- Uganda
- Zambia

America Region
- Argentina
- Bolivia
- Brazil
- Chile
- Colombia
- Ecuador
- Mexico
- Peru

Asia Pacific Region
- Indonesia
- Malaysia
- Myanmar
- Nepal
- Philippines
- Singapore
- Sri Lanka
- Taiwan, China
- Thailand
- Vietnam

Brazil Hengtong
- Brazil

Middle East and North Africa Region
- Algeria
- Bahrain
- Doha (Doha area)
- Dubai (Dubai area)
- Egypt
- Jordan
- Lebanon
- Morocco (Africa Region)
- Qatar
- Russia
- Saudi Arabia

Europe Region
- Baltic
- Belgium
- Bulgaria
- Czech Republic
- Denmark
- Finland
- France
- Germany
- Hungary
- Iceland
- Ireland
- Italy
- Netherlands
- Norway
- Poland
- Portugal
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- Kenya
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- Libya
- Madagascar
- Malawi
- Mauritania
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- Mozambique
- Namibia
- Nigeria
- Senegal
- Sierra Leone
- South Africa
- Sudan
- Tanzania
- Togo
- Tunisia
- Uganda
- Zambia

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- Argentina
- Bahamas
- Brazil
- Chile
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- Dominican Republic
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- Bangladesh
- Brunei Darussalam
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- Laos
- Malaysia
- Myanmar
- Nepal
- Philippines
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- Albania
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- Austria
- Belarus
- Belgium
- Bosnia and Herzegovina
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Georgia
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Italy
- Latvia
- Liechtenstein
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Norway
- Poland
- Portugal
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- Slovenia
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- Turkey
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- Argentina
- Bolivia
- Brazil
- Chile
- Colombia
- Ecuador
- Peru

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- Azerbaijan
- Belarus
- Georgia
- Kazakhstan
- Kyrgyzstan
- Moldova
- Russia
- Tajikistan
- Turkmenistan
- Ukraine
- Uzbekistan

Central Asia Region
- Afghanistan
- Jordan
- Pakistan

Global Service Network