



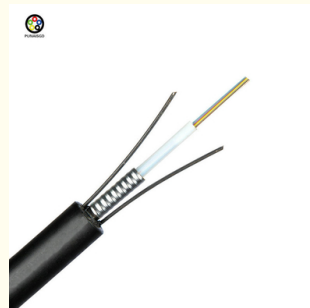
## Outdoor Fiber Optic Cable 12 Core GYXTW Single-Mode Fiber Cable

Our Product Introduction

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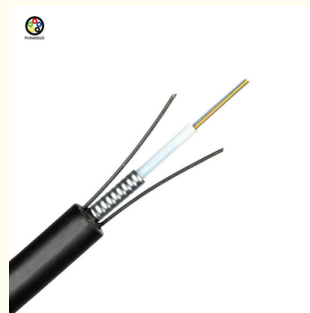
### Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAI SGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: GYXTW-6B1.3
- Minimum Order Quantity: 2km
- Price: negotiate
- Packaging Details: Wooden Spool /drum
- Delivery Time: 5-25days
- Payment Terms: 30%TT as deposit,70%Balance before shipping.
- Supply Ability: 100km

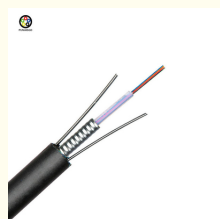


### Product Specification

- Model No: GYXTW-12B1.3
- Use: Aerial
- Loose Tube Material: PBT With Jelly
- Cable Diameter: 8mm
- Samples: Free
- Fiber Grade: G652D
- Waterblocking Material: Water Blocking Tape Or Filling Compound
- Steel Wire: 1.0\*2mm
- Cable Color: Black
- Highlight: GYXTW Outdoor Fiber Optic Cable, Single Mode Outdoor Fiber Optic Cable, 12 Core Outdoor Fiber Optic Cable



### More Images



### Product Description

#### Outdoor Fiber Optic Cable 12 Core GYXTW Single-Mode Fiber Cable

Here's a professional English parameter table for your GYXTW Fiber Optic Cable with 12 cores of G652D fiber and an outer diameter of 8mm. The table includes detailed fiber core parameters:

#### GYXTW Fiber Optic Cable Technical Specifications

| Parameter                     | Specification                                                        |
|-------------------------------|----------------------------------------------------------------------|
| Cable Type                    | GYXTW                                                                |
| Fiber Type                    | G652D Single-Mode Fiber                                              |
| Number of Cores               | 12 Cores                                                             |
| Outer Diameter                | 8 mm                                                                 |
| Cable Structure               | Central strength member, loose tube, steel wire armoring, PE sheath  |
| Fiber Core Parameters         |                                                                      |
| - Mode Field Diameter         | 8.6 - 9.5 $\mu$ m @ 1310 nm                                          |
| - Cladding Diameter           | 125.0 $\pm$ 0.7 $\mu$ m                                              |
| - Core/Cladding Concentricity | $\leq$ 0.5 $\mu$ m                                                   |
| - Coating Diameter            | 245 $\pm$ 5 $\mu$ m                                                  |
| - Attenuation                 | $\leq$ 0.36 dB/km @ 1310 nm, $\leq$ 0.22 dB/km @ 1550 nm             |
| - Dispersion                  | $\leq$ 3.5 ps/(nm-km) @ 1288-1339 nm, $\leq$ 18 ps/(nm-km) @ 1550 nm |
| - Zero Dispersion Wavelength  | 1300 - 1324 nm                                                       |

Our Product Introduction

| Parameter                       | Specification                                             |
|---------------------------------|-----------------------------------------------------------|
| Cable Cutoff Wavelength         | ≤ 1260 nm                                                 |
| Bend Radius                     | 20x cable diameter (static), 10x cable diameter (dynamic) |
| <b>Mechanical Properties</b>    |                                                           |
| Tensile Strength                | 600 N (short-term), 1500 N (long-term)                    |
| Crush Resistance                | 3000 N/100 mm                                             |
| Impact Resistance               | 1 N-m (1 kg, 1 m drop)                                    |
| <b>Environmental Properties</b> |                                                           |
| Operating Temperature           | -40°C to +70°C                                            |
| Storage Temperature             | -50°C to +80°C                                            |
| Water Resistance                | Passes IEC 60794-1-F5B water penetration test             |
| Standards Compliance            | ISO 9001, RoHS, IEC 60793, IEC 60794                      |

#### Key Features

**G652D Fiber:** Ideal for long-distance, high-bandwidth applications with low attenuation and excellent dispersion characteristics.

**Steel Wire Armoring:** Provides superior mechanical protection and tensile strength.

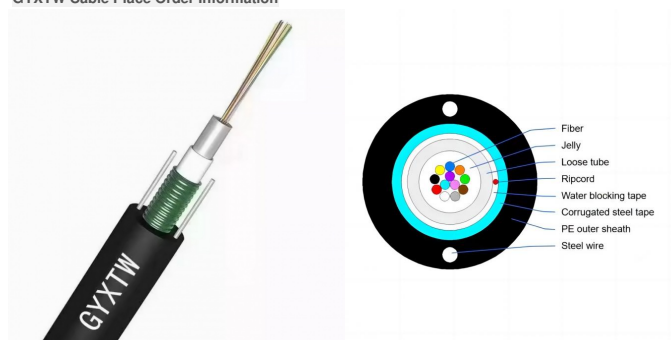
**PE Sheath:** Ensures durability and resistance to environmental factors such as UV, moisture, and abrasion.



## APPLICATION



#### GYXTW Cable Place Order Information

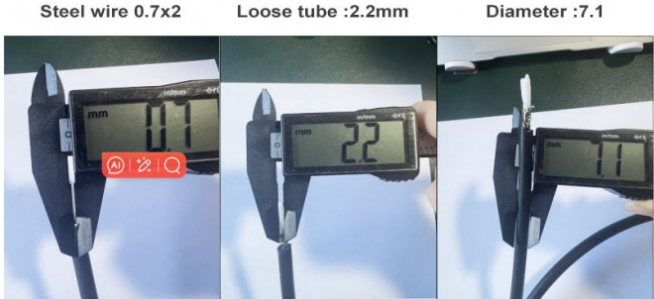


#### Cable data

| Fiber count | Structure | Fibers per tube | Loose tube diameter (mm) | CSM diameter/pad diameter (mm) | Nominal Thickness of outer jacket (mm) | Cable diameter/Height (mm) | Cable weight (kg/km) |
|-------------|-----------|-----------------|--------------------------|--------------------------------|----------------------------------------|----------------------------|----------------------|
|             |           |                 |                          |                                |                                        |                            |                      |

|    |   |    |          |         |     |         |    |
|----|---|----|----------|---------|-----|---------|----|
| 2  | 1 | 2  | 1.7±0.1  | 1.0/1.0 | 1.6 | 8.0±0.2 | 57 |
| 4  | 1 | 4  | 1.85±0.1 | 1.0/1.0 | 1.6 | 8.0±0.2 | 58 |
| 6  | 1 | 6  | 1.9±0.1  | 1.0/1.0 | 1.6 | 8.0±0.2 | 58 |
| 8  | 1 | 8  | 2.0±0.1  | 1.0/1.0 | 1.6 | 8.0±0.2 | 60 |
| 12 | 1 | 12 | 2.2±0.1  | 1.0/1.0 | 1.6 | 8.0±0.2 | 60 |

| Fiber Parameters |                                      |                    |                          |                       |
|------------------|--------------------------------------|--------------------|--------------------------|-----------------------|
| No.              | Items                                |                    |                          | Specification         |
| 1                | Mode Field Diameter                  | 1310nm             | μm                       | G.652D<br>9.2±0.4     |
|                  |                                      | 1550nm             | μm                       | 10.4±0.8              |
| 2                | Cladding Diameter                    |                    | μm                       | 125.0±1.0             |
| 3                | Cladding Non-Circularity             |                    | %                        | ≤1.0                  |
| 4                | Core-Cladding Concentricity Error    |                    | μm                       | ≤0.5                  |
| 5                | Coating Diameter                     |                    | μm                       | 245±5                 |
| 6                | Coating Non-Circularity              |                    | %                        | ≤6.0                  |
| 7                | Cladding-Coating Concentricity Error |                    | μm                       | ≤12.0                 |
| 8                | Cable Cutoff Wavelength              |                    | nm                       | λ <sub>cc</sub> ≤1260 |
| 9                | Attenuation(max.)                    | 1310nm             | dB/km                    | ≤0.35                 |
|                  |                                      | 1550nm             | dB/km                    | ≤0.21                 |
|                  |                                      | 1380nm             | dB/km                    | ≤0.35                 |
|                  |                                      | 1625nm             | dB/km                    | ≤0.24                 |
| 10               | Attenuation and wavelength           | 1310nm 1285-1330nm | dB/km                    | ≤0.04                 |
|                  |                                      | 1550nm 1525-1575nm | dB/km                    | ≤0.03                 |
|                  |                                      | 1550nm 1480-1580nm | dB/km                    | ≤0.05                 |
| 11               | Dispersion                           | 1288-1339nm        | ps/(nm.km)               | ≥-3.5, ≤3.5           |
|                  |                                      | 1271-1360nm        | ps/(nm.km)               | ≥-5.3, ≤5.3           |
|                  |                                      | 1480-1580nm        | ps/(nm.km)               | ≤20                   |
|                  |                                      | 1550nm             | ps/(nm.km)               | ≤18                   |
| 12               | Zero dispersion wavelength           |                    | Nm                       | 1300-1324             |
| 13               | Zero dispersion slope                |                    | ps/(nm <sup>2</sup> ·km) | ≤0.092                |
| 14               | Typical value                        |                    | ps/(nm <sup>2</sup> ·km) | 0.04                  |
| 15               | Largest individual fiber             |                    | Ps/√ km                  | 0.2                   |
| 16               | Link design values                   |                    | Ps/√ km                  | 0.1                   |
| 17               | Two way average                      |                    | 1310nm-1550              | ≤0.01dB               |



**Cable Marking&Fibers Colors**  
COMPANY Fiber cable name N\*cores G.652D 2024 XXXXm

\*The marking is printed every 1 meter;  
\*\*\*G.652D\* means ITU-T Rec. Low Water Peak (LWP) G.652 single mode optical fiber..

Also can according to client cable marking.



## COMPANY PROFILE



### ABOUT FIBER

Guangzhou fiber cablepuls co.,ltd

Fiber cablepuls is one of the high-tech fiber optic cable factories in China that can produce the most complete series of fiber optic cables, equipped with the most advanced fiber optic cable manufacturing, and have the most advanced fiber optic connector production and testing equipment in China.

The factory has obtained SGS ISO9001:2015, ISO14001:2004 and GB/T28001:2001 successfully obtained international system certification.

Over the past 12 years, we have provided optical cable products and comprehensive solutions to more than 90 countries and regions around the world, and have received unanimous praise from customers, such as foreign telecom departments of the United States, Mexico Telecom, Thailand Telecom, Philippines Telecom, etc.; domestic customers include: China Mobile, the General Administration of Radio, Film and Television, Lenovo, and many other large national enterprises.



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### OUR PRODUCTION CAPACITY AND QUALITY CONTROL SYSTEM



#### How do I place an OEM or customized order?

- 1) Send your purchase intention to our email: [cotton@fibercablepuls.com](mailto:cotton@fibercablepuls.com)
- 2) Our sales team will contact you to confirm the product specification, packaging, printing, quantity, and other specific information.
- 3) Sign the contract or Proforma Invoice.
- 4) After receiving your deposit, we will start to arrange the production.
- 5) 2 weeks before the completion of production, we will notify you to start contacting shipping.

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