



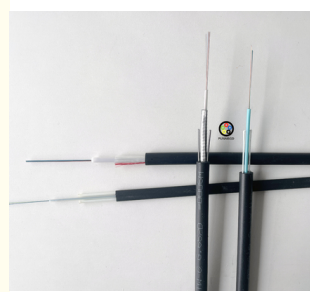
## Outdoor Fiber Optic Cable 12 Core GYXTW Fiber Optic Cable Aerial Duct Direct Burial

Our Product Introduction

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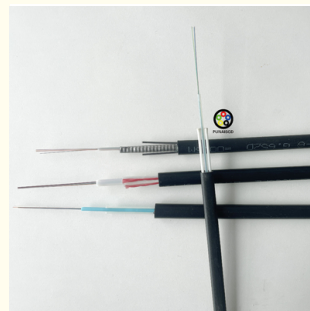
### Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: GYXTW-8B1.3
- 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-8B1.3
- Use: Aerial
- Loose Tube Material: PBT Or Jelly
- Cable Diameter: 7mm8mm
- Samples: Free
- Fiber Grade: G652D/ G657A1
- Waterblocking Material: Water Blocking Tape Or Filling Compound
- Steel Wire: 0.7\*2mm
- Cable Color: Black
- Highlight: Direct Burial Outdoor Fiber Optic Cable,  
12 Core Outdoor Fiber Optic Cable,  
Aerial Outdoor Fiber Optic Cable



### Product Description

#### Outdoor Fiber Optic Cable 12 Core GYXTW Fiber Optic Cable Aerial Duct Direct Burial GYXTW Fiber Optic Cable - Description

##### 1. General Overview:

**Cable Type:** GYXTW (Indoor/Outdoor Loose Tube Fiber Optic Cable)

**Application:** Primarily used for outdoor aerial and underground installations, including telecommunications, data transmission, and broadband networks.

##### Features:

Robust design for use in both indoor and outdoor environments.

Loose tube construction for enhanced fiber protection and flexibility.

Suitable for both aerial (hanging on poles) and direct burial installations.

Provides high resistance to mechanical stresses, moisture, and environmental factors.

##### 2. Construction Elements:

###### Core:

The core of the cable contains the **optical fibers** (typically single-mode or multi-mode) that are responsible for transmitting light signals.

Fiber counts typically range from **2 to 144 fibers** or more, depending on the cable configuration.

###### Loose Tube:

**Construction:** The fibers are housed in a **loose tube** made from high-strength materials like polyethylene (PE) or other environmental-resistant polymers.

Our Product Introduction

**Function:** The loose tube construction protects the optical fibers from mechanical stress, water, and temperature variations, allowing fibers to move within the tube during installation and operation.

**Strength Member:**

The **strength member** is typically **steel wires** or **fiberglass** rods, providing the tensile strength needed for aerial installations. These strength members ensure the cable can support its own weight when installed aerially (without needing additional support structures).

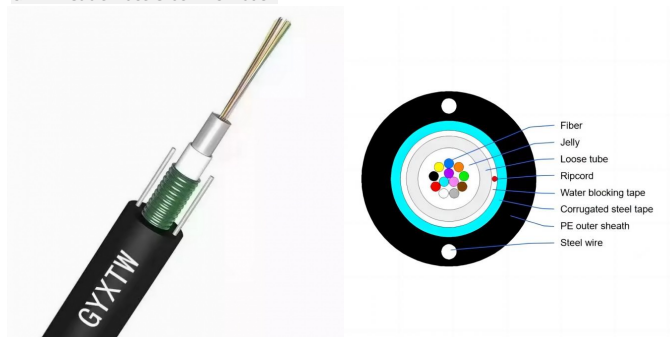
The steel wires or fiberglass provide high mechanical strength, preventing the cable from stretching or breaking during tensioning or environmental stresses.



## 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		Unit	Specification
				G.652D
1	Mode Field Diameter	1310nm	μm	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

Diameter :7.1



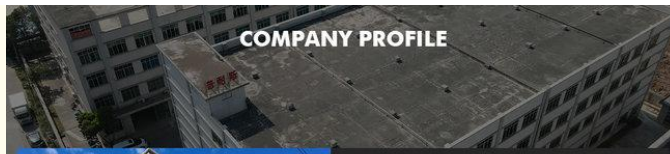
COMPANY Fiber cable name N\*cores G.652D 2024 XXXXm

\*\*\*G.652D\*\* means ITU-T Rec. Low Water Peak (LWP) G.652 single mode optical fiber..


Also can according to client cable marking.



## Production Supplier Profile



## 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.



### 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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