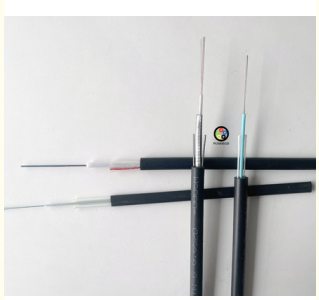
# Outdoor Fiber Optic Cable 12 Core GYXTW Fiber Optic Cable Aerial Duct Direct Burial

Our Product Introduction

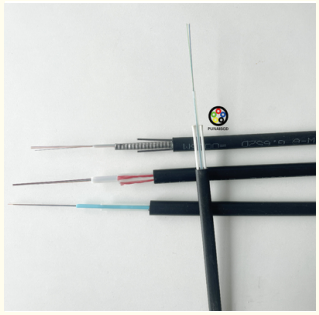
## Basic Information

- 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**





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## Product Description

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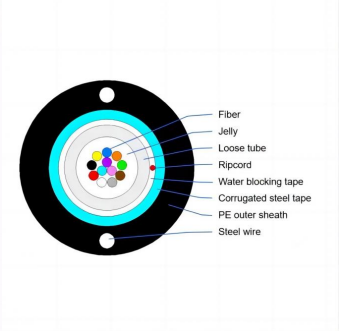
### GYXTW Fiber Optic Cable - Description

**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.

**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.



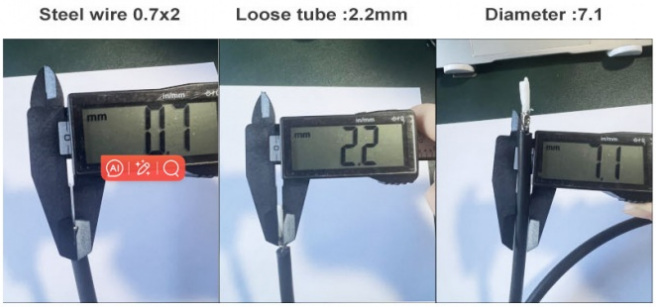
GYXTW Cable Place Order Information


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 | λcc≤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/(nm2•km) | ≤0.092 |
| 14 | Typical value | | ps/(nm2•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

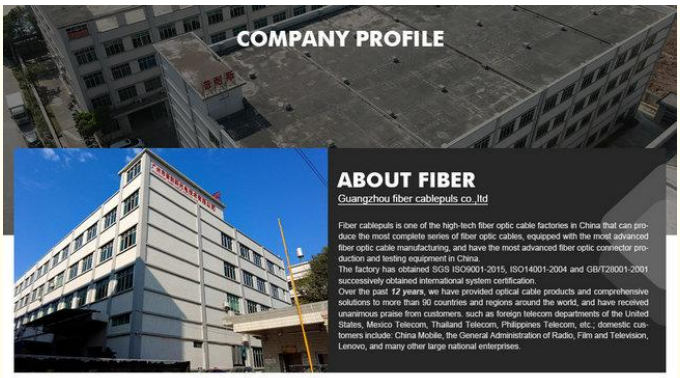
*The marking is printed every 1 meter;
**"G.652D" means ITU-T Rec. Low Water Peak (LWP) G.652 single mode optical fiber..

Also can according to client cable marking.


## Production Supplier Profile

guangzhou fiber cablepuls co ltd

+8613687956390 cotton@fibercabl





**How do I place an OEM or customized order?**
1) Send your purchase intention to our email: **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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