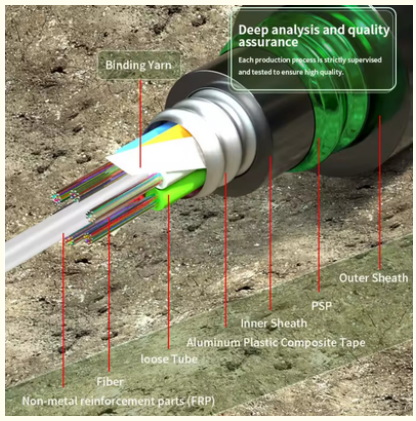
# GYTA53 Direct Buried Fiber Optic Cable 72 Cores Single Mode

Our Product Introduction

## Basic Information

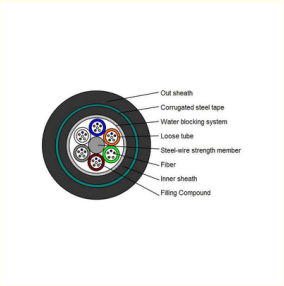
- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: GYTA53
- Minimum Order Quantity: 2km
- Price: negotiable
- Packaging Details: Wooden Spool /drum
- Delivery Time: 5-25days
- Payment Terms: 30%TT as deposit,70%Balance before shipping.
- Supply Ability: 100km

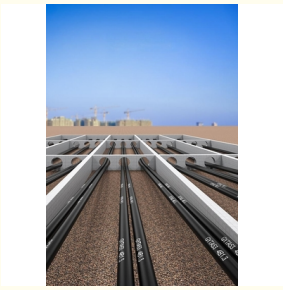



## Product Specification

- Item No.: GYTA53
- Jacket Material: Double Jacket
- Fiber Type: G.652D Single Mode
- Armored Type: Double Armored
- Application: Dicetly Buried
- Fiber Count: 72 Cores
- Armored: Steel Tape/ALUMINUM TAPE
- Highlight: **Direct Buried Cable GYTA53**, **Direct Buried Cable 72 Cores**, **Direct Buried Single Mode Cable**

## More Images



## Product Description

### Fiber Optic Direct Buried Cable GYTA53 72 Cores Single Mode Underground

#### Product Specifications

| Attribute | Value |
|---|---|
| Item No. | GYTA53 |
| Jacket Material | Double jacket |
| Fiber Type | G.652D single mode |
| Armored Type | Double armored |
| Application | Directly buried |
| Fiber Count | 72 cores |
| Armored | Steel Tape/ALUMINUM TAPE |

#### Product Description

GYTA53 cable is an outdoor, armored fiber optic cable designed for long-distance, high-capacity communication networks, suitable for both aerial and underground installations.

The cable features a central tube design with stranded loose tubes and water-blocking gel. The loose tubes protect the fibers while allowing easy installation and maintenance. The gel provides water resistance, making the cable suitable for harsh environmental conditions.

#### Applications

These corrugated steel tape and aluminum tape armored cables with double sheath are designed for:

- Direct buried applications in harsh environments
- Installations where mechanical impact is expected
- Duct installations requiring rodent or moisture resistance

#### Key Features

- Available with up to 432 fiber cores
- Loose tube stranding technology provides good secondary excess length
- Allows fiber free movement in tubes, keeping fibers stress-free
- Corrugated steel tape armored with double PE sheath for excellent crush and rodent resistance
- Metal strength member provides superior strain performance


**Technical Specifications**

**Cable Data**

| Fiber count | Fibers per tube | Loose tube diameter | CSM diameter | Nominal thickness of outer jacket | Cable diameter | Cable weight |
|---|---|---|---|---|---|---|
| 4 | 4 | 1.8±0.1 | 1.4/1.4 | 1.6 | 11.5±0.2 | 140 |
| 6 | 6 | 1.9±0.1 | 1.4/1.4 | 1.6 | 11.5±0.2 | 140 |
| 8 | 8 | 1.9±0.1 | 1.4/1.4 | 1.6 | 11.5±0.2 | 140 |
| 12 | 6 | 1.9±0.1 | 1.4/1.4 | 1.6 | 11.5±0.2 | 140 |
| 24 | 6 | 1.9±0.1 | 1.4/1.4 | 1.6 | 11.5±0.2 | 140 |
| 36 | 12 | 1.9±0.1 | 1.6/1.6 | 1.6 | 11.5±0.2 | 140 |
| 48 | 12 | 2.2±0.1 | 1.6/1.6 | 1.6 | 12.2±0.2 | 140 |
| 72 | 12 | 2.2±0.1 | 1.6/3.5 | 1.6 | 12.2±0.2 | 150 |
| 96 | 12 | 2.2±0.1 | 2.0/2.0 | 1.6 | 12.2±0.2 | 160 |
| 144 | 12 | 2.2±0.1 | 2.0/6.4 | 1.8 | 13.8±0.2 | 180 |

### Fiber Parameters (G.652D)

| No. | Items | Unit | Specification |
|---|---|---|---|
| 1 | Mode Field Diameter (1310nm) | μm | 9.2±0.4 |
| 1 | Mode Field Diameter (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 |
| 9 | Attenuation (max.) 1550nm | dB/km | ≤0.21 |
| 9 | Attenuation (max.) 1380nm | dB/km | ≤0.35 |
| 9 | Attenuation (max.) 1625nm | dB/km | ≤0.24 |
| 10 | Attenuation and wavelength 1310nm 1285-1330nm | dB/km | ≤0.04 |
| 10 | Attenuation and wavelength 1550nm 1525-1575nm | dB/km | ≤0.03 |
| 10 | Attenuation and wavelength 1550nm 1480-1580nm | dB/km | ≤0.05 |
| 11 | Dispersion 1288-1339nm | ps/(nm.km) | ≥-3.5, ≤3.5 |
| 11 | Dispersion 1271-1360nm | ps/(nm.km) | ≥-5.3, ≤5.3 |
| 11 | Dispersion 1480-1580nm | ps/(nm.km) | ≤20 |
| 11 | Dispersion 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 | dB | ≤0.01 |

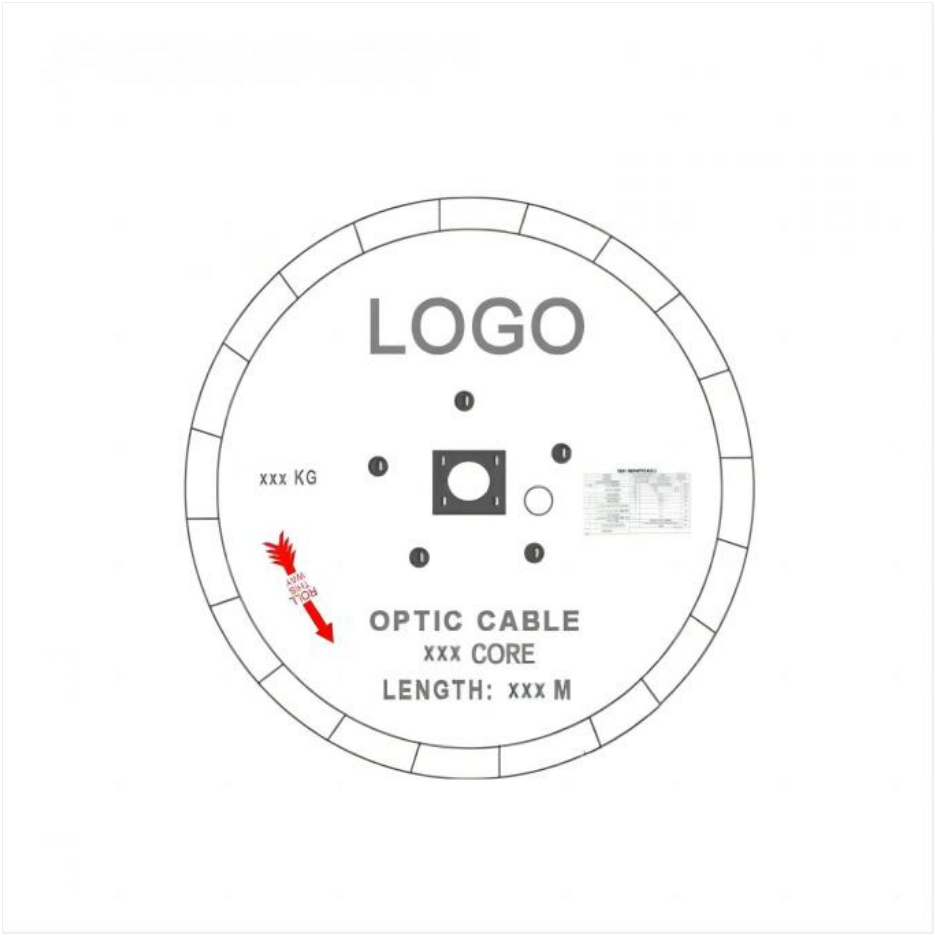
### Cable Marking & Fiber Colors

Standard marking: COMPANY Fiber cable name N*cores G.652D 2024 XXXXm

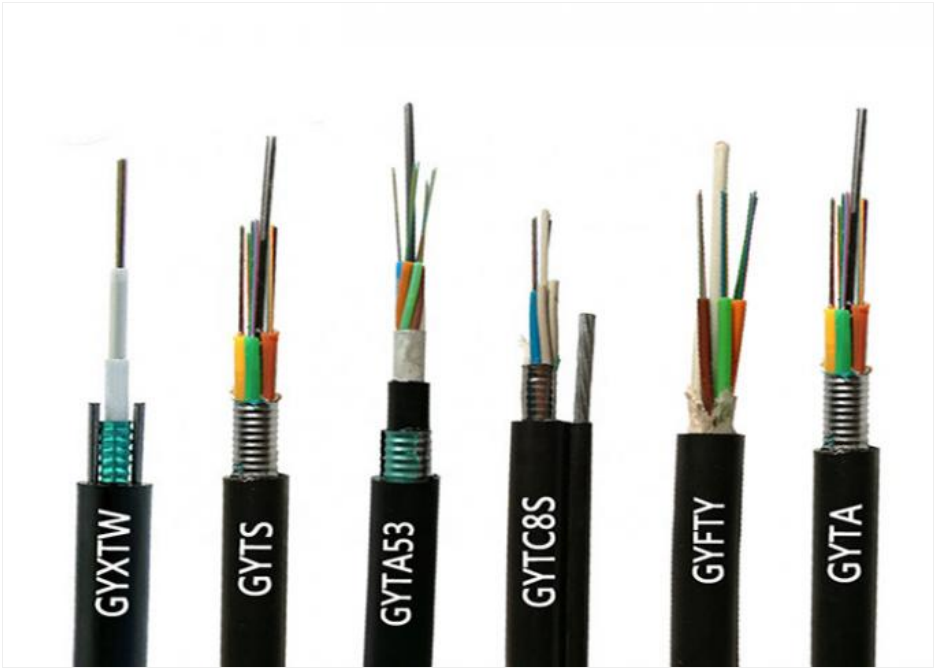
*The marking is printed every 1 meter

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

Custom marking available according to client requirements




## Ordering Information




### How to Place an OEM or Customized Order

Send your purchase intention to our email: **cotton@fibercablepuls.com**

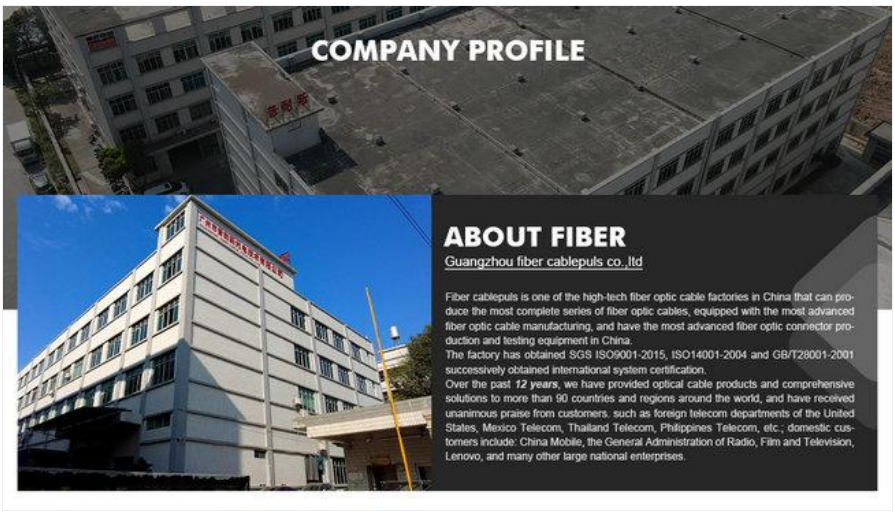
Our sales team will contact you to confirm product specifications, packaging, printing, quantity, and other requirements

Sign the contract or Proforma Invoice

After receiving your deposit, we will arrange production

2 weeks before production completion, we will notify you to arrange shipping

### Production Supplier Profile





**guangzhou fiber cablepuls co ltd**

+8613687956390 cotton@fibercablepuls.com fiberoptical-cables.com

925-926, Building B1, No. 2 Chuanghui Avenue, Yonghe Yushan InternationalGuangzhou city,Guangdong province,China