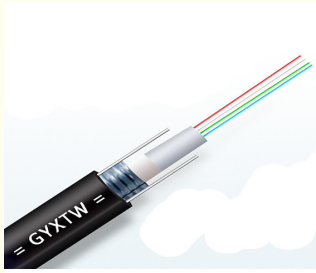
Outdoor Fiber Optic Cable Armor Fiber Optic Cable GYXTW SM 12 FIBER

Our Product Introduction

Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/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**, **SM Outdoor Fiber Optic Cable**, **Outdoor Fiber Optic Cable 12 FIBER**

Our Product Introduction

Product Description

Outdoor Fiber Optic Cable Armor Fiber Optic Cable GYXTW SM 12 FIBER

The Armor Fiber Optic Cable GYXTW SM 12 FIBER is a robust and reliable solution for various network applications. Designed for single-mode transmissions, this cable offers exceptional performance, durability, and protection against environmental factors.

Key Features

Moreover, the Armor Fiber Optic Cable GYXTW SM 12 FIBER offers several key features that enhance its performance and versatility.

12-Fiber Core: Provides ample capacity to meet the demands of high-bandwidth networks.
Single-Mode Construction: Ensures low signal loss and high data transmission rates over long distances.
Armor Protection: The cable is equipped with a protective armor layer that shields it from mechanical damage and environmental hazards.
Weatherproof Jacket: The outer jacket is designed to withstand harsh weather conditions, including rain, wind, and temperature extremes.
Low Smoke Zero Halogen (LSZH): The cable is constructed using LSZH materials, which emit minimal smoke and toxic gases in case of a fire.
High Tensile Strength: The cable's armor provides excellent tensile strength, making it suitable for outdoor installations and demanding environments.

Parameter	Specification

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 µm @ 1310 nm
· Cladding Diameter	125.0 ± 0.7 µm
· Core/Cladding Concentricity	≤ 0.5 µm
· Coating Diameter	245 ± 5 µm
· Attenuation	≤ 0.36 dB/km @ 1310 nm, ≤ 0.22 dB/km @ 1550 nm
· Dispersion	≤ 3.5 ps/(nm·km) @ 1288-1339 nm, ≤ 18 ps/(nm·km) @ 1550 nm
· Zero Dispersion Wavelength	1300 - 1324 nm
· Cable Cutoff Wavelength	≤ 1260 nm
· Bend Radius	20x cable diameter (static), 10x cable diameter (dynamic)
Mechanical Properties	
· 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)
Environmental Properties	
· 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

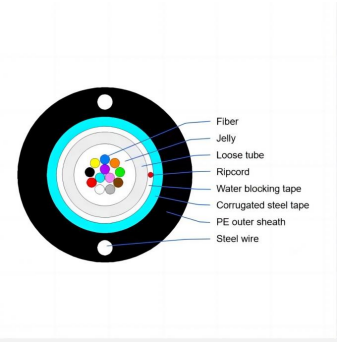
Key Features

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.

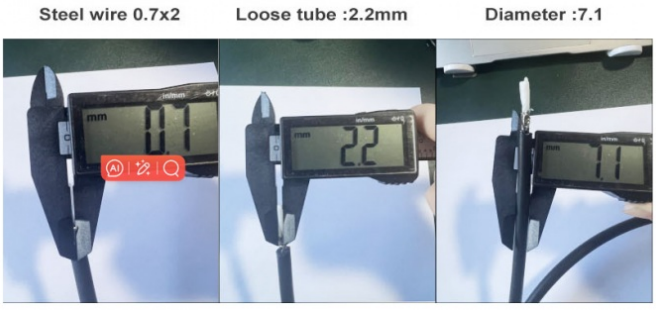
GYXTW Cable Place Order Information



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

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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