GYFXTBY Outdoor Fiber Optic Cable 2-12 Core Single Mode Aerial

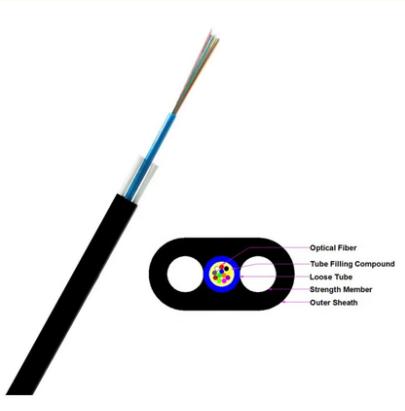
Our Product Introduction

Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: gyfxtby-8b1.3
- Minimum Order Quantity: 2km
- Price: negotiate
- Packaging Details: Wooden Spool Φ1200*750mm
- Delivery Time: 5-25days
- Payment Terms: 30%TT as deposit,70%Balance before shipping.
- Supply Ability: 100km

Product Specification

- Type: Gyfxtby-8b1.3
- Fiber Type: Single Mode
- Fiber Count: 2-12
- Oute Sheath: Black PE/LSZH
- Inner Sheath Material: P/LSZH
- Installation Method: Aerial
- Strength Member Material: 2 Frp
- Cable Diameter: 4.8*7mm
- Highlight: **Flat Structure Outdoor Fiber Optic Cable**, **12 Core Outdoor Fiber Optic Cable**, **24 Core Outdoor Fiber Optic Cable**



More Images

Our Product Introduction

for more products please visit us on fiberoptical-cables.com

Product Description

Outdoor Fiber Optic Cable Fttx GYFXTBY 1 2 4 6 8 12 16 24 Core Flat Structure Optical Fiber Cable

Product Specifications

Attribute	Value
Type	gyfxtby-8b1.3
Fiber Type	Single mode
Fiber Count	2-12
Outer Sheath	Black PE/LSZH
Inner Sheath Material	P/LSZH
Installation Method	Aerial
Strength Member Material	2 frp
Cable Diameter	4.8*7mm

Product Description

Center loose sleeve, fiber paste filled in the sleeve, two non-metallic strength components, sleeve, water resistant yarn filled in the outer sheath, two tearing lines, and black polyethylene outer sheath.

Key Features

- Small size, low cost
- Up to 24 fibers capacity
- Uni-tube gel-filled construction for superior fiber protection
- Two parallel FRP wire and overall glass yarn for enhanced tensile resistance
- Protection against mechanical damage
- Compatible with inexpensive attachment hardware

Self-supported design - no messenger needed

Applications

Duct installation

Aerial installation

FTTx networks

Access networks

Optical Characteristics

Fiber Type	G.652	G.655	50/125μm	62.5/125μm
Attenuation (+20°C)				
850 nm			<3.0 dB/km	<3.3 dB/km
1300 nm			<1.0 dB/km	<1.0 dB/km
1310 nm	<0.36 dB/km	<0.40 dB/km		
1550 nm	<0.22 dB/km	<0.23 dB/km		
Bandwidth				
850 nm			>500 MHz-km	>200 MHz-km
1300 nm			>500 MHz-km	>500 MHz-km
Numerical Aperture			0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λcc	<1260 nm	<1450 nm		

Structure and Technical Specifications GYFXTY-FL (Flat Drop)

Fiber Count	Nominal Diameter (mm)	Nominal Weight (kg/km)	Allowable Tensile Load (N)	Allowable Crush Resistance (N/100mm)	Aerial Install Span with 1% Sag
2~12	4.5*8.0	39	1800 (Short Term) 750 (Long Term)	2000 (Short Term) 800 (Long Term)	100m (NESC Light) 80m (NESC Medium) 50m (NESC Heavy)
14~24	4.9*8.4	45	1800 (Short Term) 750 (Long Term)	2000 (Short Term) 800 (Long Term)	80m (NESC Light) 60m (NESC Medium) 40m (NESC Heavy)

Structure and Technical Specifications GYFXTY-FG (Round Drop)

Fiber Count	Nominal Diameter (mm)	Nominal Weight (kg/km)	Allowable Tensile Load (N)	Allowable Crush Resistance (N/100mm)	Aerial Install Span with 1% Sag
2~12	6.5	35	1000 (Short Term) 400 (Long Term)	1000 (Short Term) 300 (Long Term)	80m (NESC Light) 50m (NESC Medium) 30m (NESC Heavy)
14~24	7.0	40	1200 (Short Term) 500 (Long Term)	1000 (Short Term) 300 (Long Term)	70m (NESC Light) 40m (NESC Medium) 20m (NESC Heavy)

Note: Larger spans can be achieved if necessary with installation sags larger than 1% of span. This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information.

Hybrid designs (containing single mode and multi mode fiber) and composite designs (containing copper conductors) are also available.

Compliance Standards

Mechanical Performance	Standard
Max Tension Performance	IEC 60794-1-2-E
Max. Operation Tension	IEC 60794-1-2-E1
Crush Test	IEC 6079 -1-2-E3
Impact Test	IEC 60794-1-2-E4
Repeated Bending	IEC 60794-1-2-E6
Torsion Test	IEC 60794-1-2-E7
Cable bend	IEC 60794-1-2-E11A
Attenuation Coefficient	ITU-T G.652
Structural Test	IEC-60793-1-20

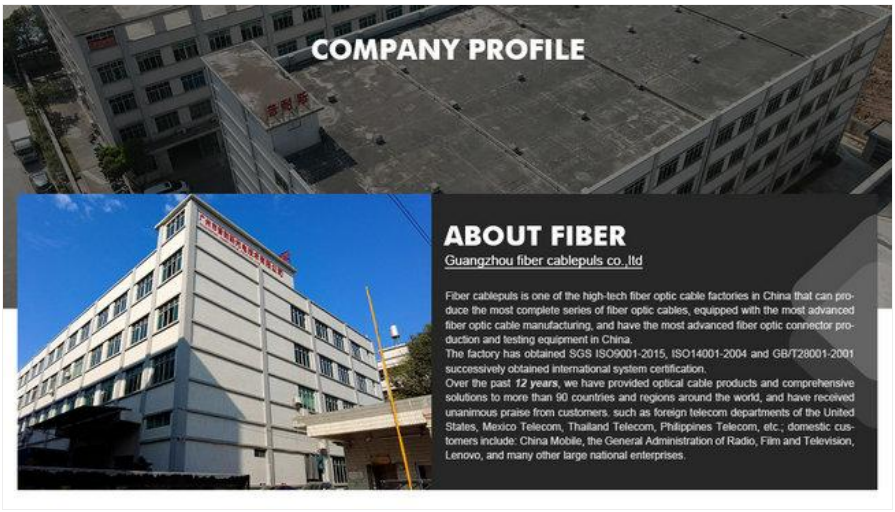
Environmental Performance	
Temperature Cycling	IEC 60794-1-2-F1
Water Penetration	IEC 60794-1-2-F5B
Filing Compound Flow	IEC 60794-1-E14

Installation Guidelines

When installing aerial cables, ensure proper tension, maintain safe distance from power lines, consider environmental factors, and follow recommended span lengths for optimal performance.

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



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