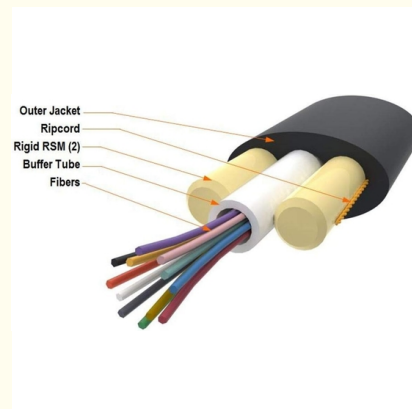




12CT Flat Drop Fiber Optic Cable Single Mode Aerial 5000ft Reel

Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: gyfxtby-12b1.3
- 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-12b1.3
- 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*8mm
- Highlight: **FTTX Outdoor Fiber Optic Cable, Outdoor Flat Drop Fiber Optic Cable**



Product Description

FTTX Outdoor Fiber Optic Cable 12 CT Flat Drop Fiber Optic Cable 5000' Reel

Product Specifications

Attribute	Value
Type	gyftbby-12b1.3
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*8mm

Product Description

Dielectric Dry Flat Drop Loose Tube Fiber Cable Single Mode 9/125 OS2 with Polyethylene Jacket. The cable is composed of bare colored optical fibers (available in 1, 2, 4, 6 and 12 fiber counts) with water blocking aramid yarn inside a 3.0mm dry buffer tube. The UV resistant polyethylene outer jacket encases the buffer tube along with 2 dielectric FRP strength members. All component materials meet the EU RoHS Directive standard.

Temperature Range

Storage: -40°F to +158°F (-40°C to +70°C)

Operation: -40°F to +158°F (-40°C to +70°C)

Construction

Fiber: 12 Colors Coding

Loose Tube: Gel-free

Central Strength Member: Dielectric Strength Material

Overall Jacket Material: Polyethylene

Strength Member: 2 FRP's

Optical Characteristics

Fiber Type: SMF-28° Ultra

Core Size: 9/125

Attenuation (Max): 0.4dB/km @1550nm

Numerical Aperture: 0.14

Mode-Field Diameter (1310/1550nm): 9.2/10.4mm

Link Length @1550: 10,000m/5,000m



Key Features

- Small size, low cost solution
- Supports up to 24 fibers
- Uni-tube gel-filled construction for superior fiber protection
- Two parallel FRP wires and overall glass yarn enhance tensile resistance
- Protects cable from mechanical damage
- Designed for use with inexpensive attachment hardware
- Self-supported - no messenger needed

Applications

- Duct and aerial installations
- FTTx and access networks

Detailed 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 λ _{cc}	<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
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2~12	4.5*8.0	39	1800 (Short Term) 750 (Long Term)	2000 (Short Term) 800 (Long Term)	100m (Light) 80m (Medium) 50m (Heavy)
14~24	4.9*8.4	45	1800 (Short Term) 750 (Long Term)	2000 (Short Term) 800 (Long Term)	80m (Light) 60m (Medium) 40m (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 (Light) 50m (Medium) 30m (Heavy)
14~24	7.0	40	1200 (Short Term) 500 (Long Term)	1000 (Short Term) 300 (Long Term)	70m (Light) 40m (Medium) 20m (Heavy)

Note: Larger spans can be achieved if necessary with installation sags larger than 1% of span. This datasheet is for reference only and not a supplement to the contract. Please contact our sales team for 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.





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



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