



Aerial Figure 8 Fiber Optic Cable 4-24 Fiber GYTC8S Outdoor PE/LSZH

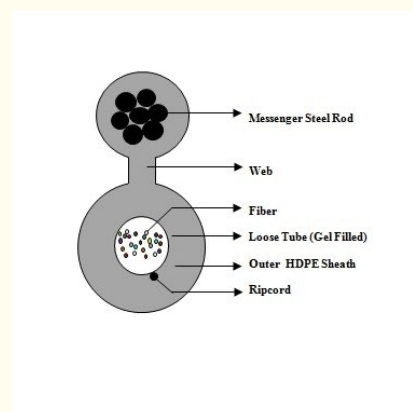
Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAIISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: GYTC8S-8B1.3/12B1.3
- Minimum Order Quantity: 2km
- 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.: GYTC8S-8B1.3/12B1.3
- TYPE: Fig.8 Shape
- Application: Outdoor AREIAL
- Jacket Material: PE/LSZH
- Fiber Type: G.652D
- Strength Member: Messenger Wires
- Outer Diameter: 8.5*12.5mm
- Warranty Period: 25 Years
- Highlight: **Figure 8 Fiber Optic Cable,
Aerial Fiber Optic Cable**



Product Description

Aerial Figure 8 Fiber Optic Cable 4,8,12,24 Fiber FIG8 Cables

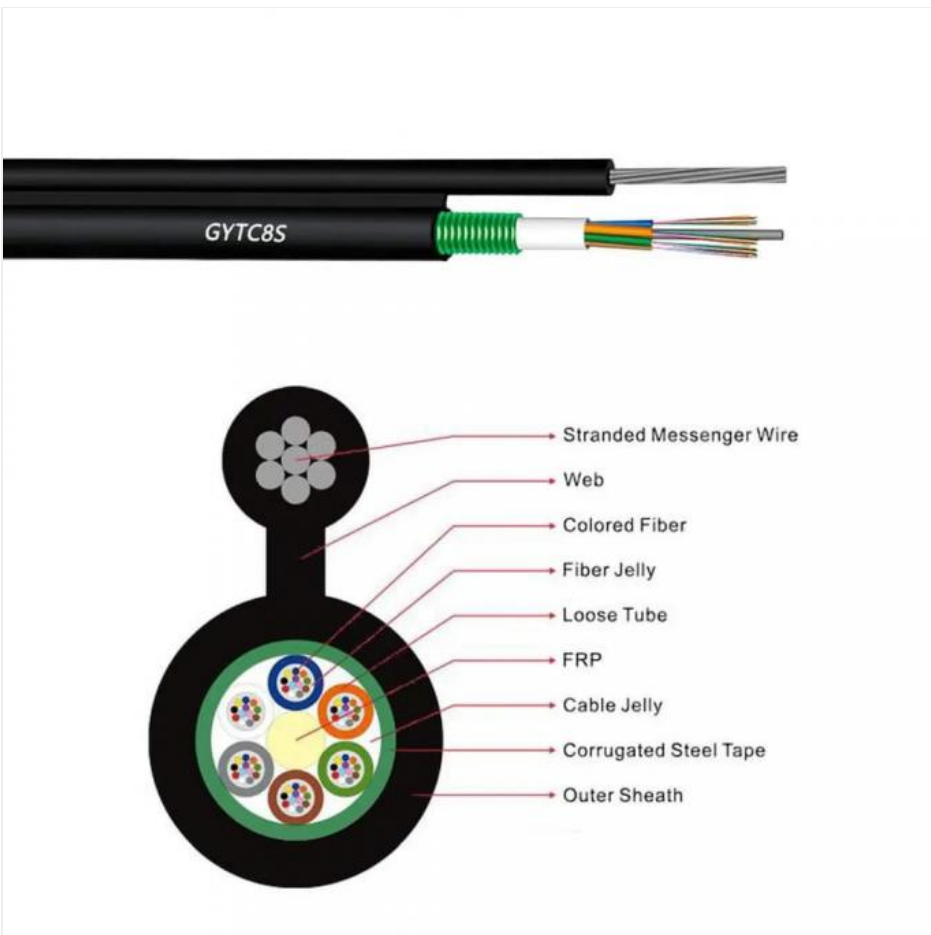
Product Specifications

Attribute	Value
Item NO.	GYTC8S-8B1.3/12B1.3
TYPE	Fig.8 shape
Application	Outdoor Aerial
Jacket Material	PE/LSZH
Fiber Type	G.652D
Strength member	Messenger wires
Outer Diameter	8.5*12.5mm
Warranty Period	25 years

Product Overview

This self-supporting aerial fiber optic cable is designed for long-distance communication and inter-office applications. Featuring a steel stranded wire as the self-supporting component, it provides exceptional tensile strength during installation and operation.

The figure 8 shape with integrated steel wire messenger significantly reduces installation costs. Its compact size, lightweight design, and flexibility make it an excellent choice for FTTH cabling networks.



Technical Specifications

Fiber count options: 6-8, 10-12, 14-24, 30-72 fibers

Design: Central steel wires with stranded loose multi-tube construction

Fiber type: Single mode G.652.D

Strength member: PSP

Loose tube material: PBT

Water blocking: Water blocking tape

Outer sheath: PE material

Cable diameter tolerance: $\pm 0.2\text{mm}$

Weight range: 210-250kg/km ($\pm 10.0\text{kg/km}$)

Attenuation: $\leq 0.35\text{dB @ } 1310\text{nm}$; $\leq 0.2\text{dB @ } 1550\text{nm}$

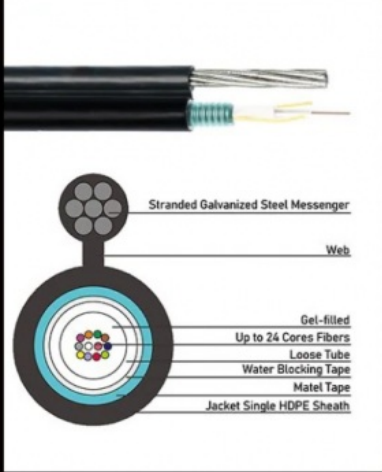
Minimum bending radius: $10\times$ cable diameter (without tension); $20\times$ cable diameter (under maximum tension)



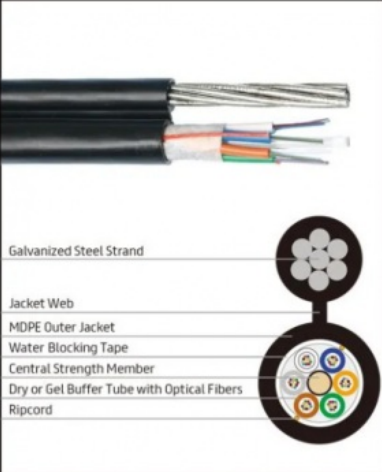
The diagram shows a cross-section of the GYXTC8Y cable. It features a central 'Stranded Galvanized Steel Messenger' surrounded by a 'Loose tube' containing 'Gel-filled' material and 'Up to 24 cores Fibers'. The entire assembly is encased in a 'Jacket Single HDPE Sheath'.

Model: GYXTC8Y
Messenger: 1.5mm Standed Galvanized Steel
Messenger for Flexibility
Fiber : Up to 24 cores, Gel filled
Jacket: Single HDPE Sheath
Armor: None
Tension Strength: 1000(Short term)
300(Long term)
Cable Diameter: 5.1*10.2mm
Package: 4km/drum
Weight: 47KG/KM

Model: GYXTC8S
Messenger: 1.5mm Standed Galvanized Steel
Messenger for Flexibility
Fiber : Up to 24 cores, Gel filled
Jacket: Single HDPE Sheath
Armor: Steel Tape
Tension Strength: 1000(Short term)
300(Long term)
Cable Diameter: 7.6*14.5mm
Package: 4km/drum
Weight: 117KG/KM

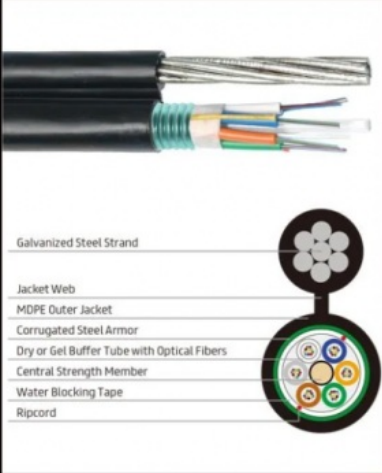


The diagram shows a cross-section of the GYXTC8S cable. It features a central 'Stranded Galvanized Steel Messenger' surrounded by a 'Web'. The core consists of 'Gel-filled' material, 'Up to 24 Cores Fibers', 'Loose Tube', 'Water Blocking Tape', and 'Metal Tape'. The entire assembly is encased in a 'Jacket Single HDPE Sheath'.

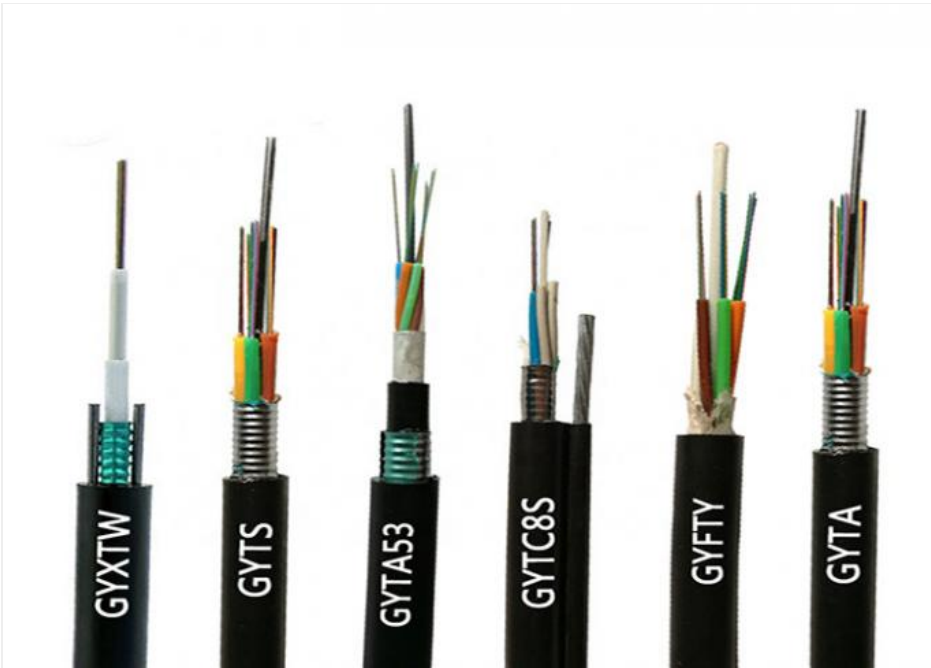


Model: GYTC8Y
Messenger: 7*1.0mm Standed Galvanized Steel
Messenger for Flexibility
Fiber : Up to 288 cores, Gel filled
Jacket: Single MDPE Sheath
Water Block: Water Blocking or Gel-filled
Armor: None
Tension Strength: 3000(Short term)
1000(Long term)
Cable Diameter: 9.1*16.9mm
Package: 4km/drum
Weight: 142KG/KM

Model: GYTC8S
Messenger: 7*1.0mm Standed Galvanized Steel
Messenger for Flexibility
Fiber : Up to 288 cores, Gel filled
Jacket: Single MDPE Sheath
Water Block: Water Blocking or Gel-filled
Armor: Steel Tape, Thickness 1mm
Tension Strength: 3000(Short term)
1000(Long term)
Cable Diameter: 9.5*17mm
Package: 4km/drum
Weight: 156KG/KM



GYTC8S Cable Ordering Information



Detailed Cable Specifications

Specification	12 Fiber	24 Fiber
Fiber Model	G652D	

Design (Strength Member+Tube&Filler)	1+5	
Central Strength Member Material	FRP	
Central Strength Member Diameter ($\pm 0.05\text{mm}$)	1.5	
Loose Tube Material	PBT	
Loose Tube Diameter ($\pm 0.06\text{mm}$)	1.7	
Loose Tube Thickness ($\pm 0.03\text{mm}$)	0.32	
Maximum Cores per Tube	6	
Filler Rope Material	PP	
Filler Rope Diameter ($\pm 0.06\text{mm}$)	1.7	
Filler Rope Quantity	3	1
Water Blocking Layer Material	Flooding Compound	
Outer Sheath Material	PE	
Outer Sheath Thickness ($\pm 0.1\text{mm}$)	1.2	
Outer Sheath Material	PE	
Outer Sheath Thickness ($\pm 0.1\text{mm}$)	1.8	
Web Material	PE	
Web Size ($\pm 0.1\text{mm}$)	2.0*2.0	
Messenger Wire Material	Steel stranded	
Messenger Wire Size ($\pm 0.1\text{mm}$)	2.7mm(0.9mm \times 7)	
Cable Diameter ($\pm 0.5\text{mm}$) W \times H	8.5 \times 15.2	
Cable Weight ($\pm 10\text{kg/km}$)	100	
Minimum Bending Radius (Without Tension)	10.0 \times Cable- ϕ	
Minimum Bending Radius (Under Maximum Tension)	20.0 \times Cable- ϕ	
Installation Temperature Range ()	-20~+60	
Transport & Storage Temperature Range ()	-40~+70	
Operation Temperature Range ()	-40~+70	

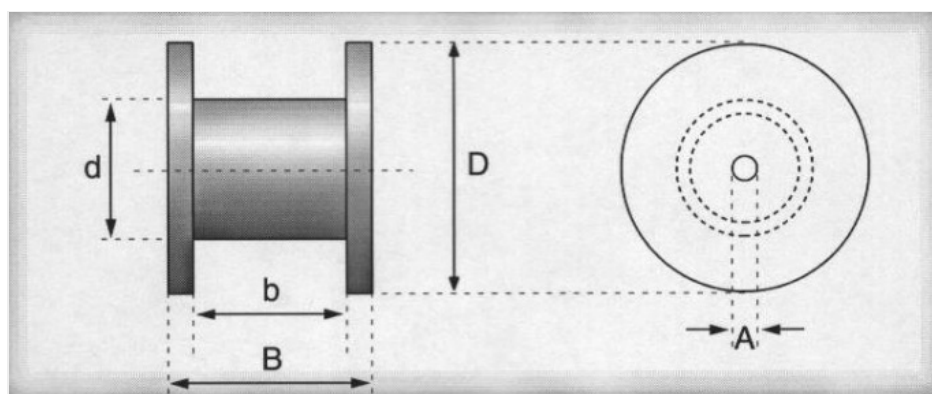
Cable Marking & Fiber Colors

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


**Marking is printed every 1 meter*

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


Custom marking available according to client requirements.



Manufacturer Information



COMPANY PROFILE



ABOUT FIBER

Guangzhou fiber cablepuls co.,ltd

Fiber cablepuls is one of the high-tech fiber optic cable factories in China that can produce the most complete series of fiber optic cables, equipped with the most advanced fiber optic cable manufacturing, and have the most advanced fiber optic connector production and testing equipment in China.

The factory has obtained SGS ISO9001:2015, ISO14001:2004 and GB/T28001:2001 successively obtained international system certification.

Over the past 12 years, we have provided optical cable products and comprehensive solutions to more than 90 countries and regions around the world, and have received unanimous praise from customers, such as foreign telecom departments of the United States, Mexico Telecom, Thailand Telecom, Philippines Telecom, etc.; domestic customers include: China Mobile, the General Administration of Radio, Film and Television, Lenovo, and many other large national enterprises.



OUR PRODUCTION CAPACITY AND QUALITY CONTROL SYSTEM



Custom Order Process

1. Send your purchase requirements to: cotton@fibercablepuls.com
2. Our sales team will confirm product specifications, packaging, and quantity
3. Sign contract or Proforma Invoice
4. Production begins after deposit receipt
5. Shipping coordination begins 2 weeks before production completion



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