



GUANGDONG CHANGCHENG COMMUNICATION TECHNOLOGY CO., LTD

TECHNICAL SPECIFICATION
FOR
Non-metal Central Loose Tube outdoor Optical fiber Cable
(GYFXY) with FRP strength member

★**Products:** Fiber optic cable

★**Customer:**

★**Date:** March 21, 2020

★**Authorized by:** **Miya Gao**

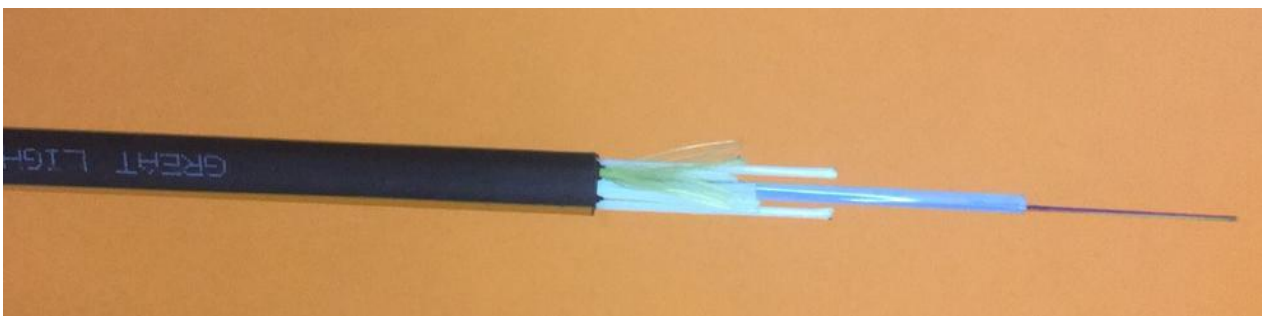
★**Address:** Room1-2, Fiber station, Liaobu Town, Dongguan city, Guangdong Province China 523000



• Product physical structure:



• Product physical map:





• Description

GYFXY: 250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. Two parallel steel wires are placed at the two sides. The cable is completed with polyethylene (PE) sheath.

• Features

- 1、Good mechanical and temperature resistant performance.
- 2、Uni-tube gel-filled construction for superior fiber protection.
- 3、Two parallel steel wires ensure tensile strength.
- 4、PE sheath protects cable from ultraviolet radiation.
- 5、Light weight and small diameter, easy to installation and operation.
- 6、Outdoor Aerial, Duct

• Standards

GYFXY cable complies with Standard YD/T 981.2-2009 as well as YD/T 979-2009.

• Technical Parameters

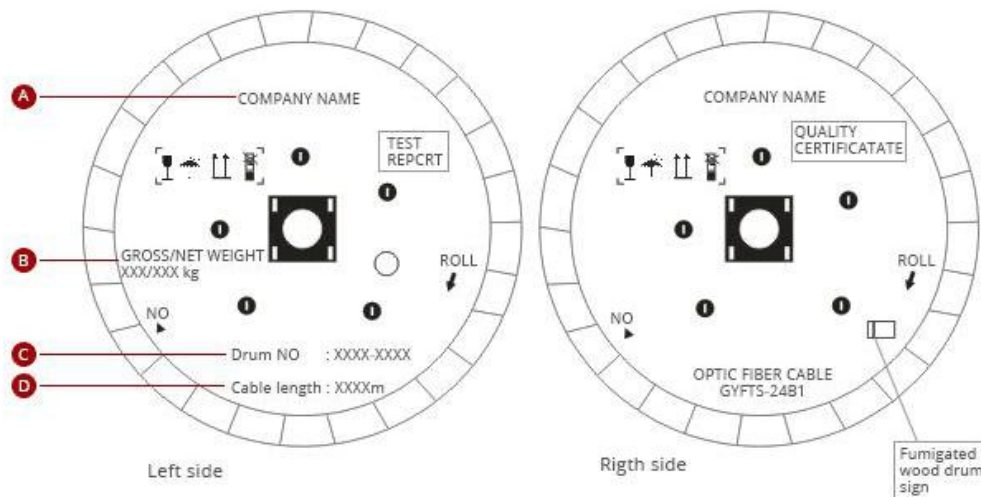
Fiber count	2F-12F	
Fiber type	Single mode G652d or Multi-mode	
Loose tube	Material	PBT
	Diameter	2.0mm
Strength member	FRP	
Diameter	6.0mm or customized	
Out sheath	PE	

Tensile strength	Long term(N)	400N
	Short term(N)	800N
Crush load	Long term	300N/100mm
	Short term	1000N/100mm
Bending radius	Dynamic	20D
	Static	10D
Installation Temperature	-10℃~+60℃	
Storage Temperature	-40℃~+70℃	



• Packing and Marking

- 1、Standard wooden drum.
- 2、Cable length per drum: 2000m/drum
- 3、Cable end sealed.
- 4、Drum diameter > 30 time of cable diameter.





END