

GYFXY

Center Bundle Tube Type Non-Metallic Non-Armored Optical Cable

- 1 Optical fiber

2 Tube filling material

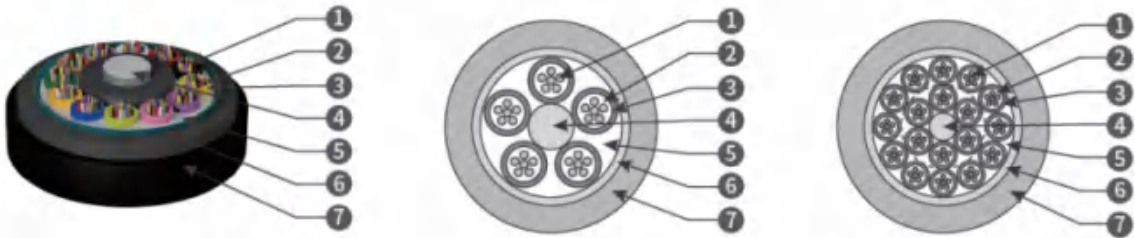
3 Loose tube

4 Central strength member

5 Cable core filling material

6 Coated steel tape

7 Polyethylene sheath



Product Description

Colored optical fibers are placed into a loose tube made of high modulus, hydrolysis-resistant material, which is filled with thixotropic water-blocking gel. Water-blocking material is applied externally to the loose tube to ensure longitudinal water blocking of the optical cable. Two parallel glass fiber reinforced plastic(FRP) rods are placed on both sides, and then the cable is extruded with a polyethylene sheath.

Product Features

- ◆Exhibits good mechanical performance and temperature characteristics.
- ◆The material of the loose tube has good hydrolysis resistanceand excellent pressure resistance.
- ◆Filled with special grease inside the tube, providing crucial protection for the optical fibers.
- ◆The PE sheath has excellent resistance to ultraviolet radiation.
- ◆Two parallel FRP rods ensure the stability and tensile performance of the cable.
- ◆Small diameter, lightweight, and easy to install.



Optical Characteristics

Fiber Type	Attenuation (+20℃)				Bandwidth		Numerical Aperture	Cable Cut-off Wavelength
	@850mm	@1300mm	@1310mm	@1550mm	@850mm	@1300mm		
G.652	-	-	≤0.36db/km	≤0.22db/km	-	-	-	≤1260nm
G.655	-	-	≤0.40db/km	≤0.23db/km	-	-	-	≤1450nm
50/125μm	≤3.3db/km	≤1.2db/km	-	-	≥500MHz·km	≥500MHz·km	0.200±0.015NA	-
62.5/125μm	≤3.5db/km	≤1.2db/km	-	-	≥200MHz·km	≥500MHz·km	0.275±0.015NS	-

Structural Parameters

Cable Model (increments by 2 fibers)	Number of Fibers	Reference Cable Weight (kg/km)	Allowable Tensile Force Long-term/Short-term (N)	Allowable Crush Force Long-term/Short-term (N)	Bending Radius Static/Dynamic (mm)
GYFXY-2~12Xn	2~12	81	400/1500	300/1000	10D/20D
GYFXY-14~24Xn	14~24	96			

Storage and Operating Temperature: -40℃ to +70℃.

Application: Aerial

Note:

- The suffix Xn in the model indicates the selected fiber type, see Yangtze Fiber Model Explanation for details.
- The color arrangement of the loose tube and fibers can be found in the chromatogram.
- The minimum thickness of the polyethylene sheath is 1.5mm.

- The cable should not be stored in open-air environments for more than 6 months, otherwise the spool may be damaged.
- This document is for reference only and cannot be used as an attachment to the contract. For detailed product information, please contact our sales staff.