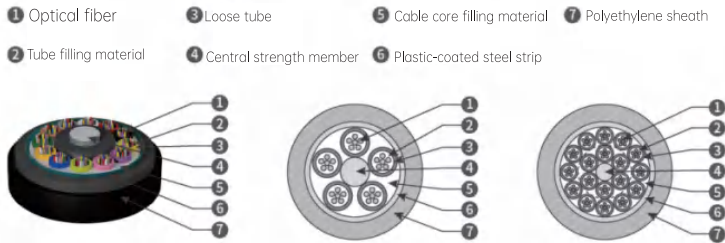


GYFTY

Loose Tube Layer Stranded Non-metallic Reinforced Core Non-armored Optical Cable



Product Description

Colored optical fibers are placed into a loose tube made of high modulus material, which is then filled with thixotropic water-blocking gel. The center of the cable core contains a glass fiber reinforced plastic(FRP). The loose tube(and filling rope)is twisted around the central reinforcing core to form a circular cable core, with gaps in the cable core filled with water-blocking gel. The cable core is then extruded with a polyethylene outer sheath.

Product Features

- The material of the loose tube itself has good resistance to hydrolysis and high strength.
- ◆Possesses good mechanical performance and temperature characteristics.
- ◆Filled with thixotropic gel inside the tube, providing crucial sealing protection to the optical fibers.
- ◆PE sheath has excellent resistance to ultraviolet radiation.
- ◆Single non-metallic central reinforcing core.



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	Number of Loose Tubes	Number of Filling Ropes	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)
GYFTY-2~6Xn	2~6	1	5	86	400/1000	300/1000	10D/20D
GYFTY-8~12Xn	8~12	2	4	86			
GYFTY-14~18Xn	14~18	3	3	86			
GYFTY-20~24Xn	20~24	4	2	86			
GYFTY-26~30Xn	26~30	5	1	86			
GYFTY-32~36Xn	32~36	6	0	86			
GYFTY-38~48Xn	38~48	4	2	109	600/1500		
GYFTY-50~60Xn	50~60	5	1	109			
GYFTY-62~72Xn	62~72	6	0	109			
GYFTY-2~6Xn	2~6	1	6	98			
GYFTY-8~12Xn	8~12	2	5	98			
GYFTY-14~18Xn	14~18	3	4	98			
GYFTY-20~24Xn	20~24	4	3	98			
GYFTY-26~30Xn	26~30	5	2	98			
GYFTY-32~36Xn	32~36	6	1	98			
GYFTY-38~42Xn	38~42	7	0	98			
GYFTY-44~48Xn	44~48	4	3	115			
GYFTY-50~60Xn	50~60	5	2	115			
GYFTY-62~72Xn	62~72	6	1	115			
GYFTY-2~6Xn	2~6	1	7	119			
GYFTY-8~12Xn	8~12	2	6	119			
GYFTY-14~18Xn	14~18	3	5	119			
GYFTY-20~24Xn	20~24	4	4	119			
GYFTY-26~30Xn	26~30	5	3	119			
GYFTY-32~36Xn	32~36	6	2	119			
GYFTY-38~42Xn	38~42	7	1	119			
GYFTY-44~48Xn	44~48	8	0	119			
GYFTY-50~60Xn	50~60	5	3	125			
GYFTY-62~72Xn	62~72	6	2	125			
GYFTY-74~84Xn	74~84	7	1	125			
GYFTY-86~96Xn	86~96	8	0	125			
GYFTY-98~108Xn	98~108	9	1	149			
GYFTY-110~120Xn	110~120	10	0	149			
GYFTY-122~132Xn	122~132	11	1	179			
GYFTY-134~144Xn	134~144	12	0	179			

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

Application: Ducts, Aerial

- Note:
 - a.The suffix Xn in the model indicates the selected fiber type, see Yangtze Fiber Model Explanation for details.
 - b.The color arrangement of the loose tube and fibers can be found in the chromatogram.
 - c.The minimum thickness of the polyethylene sheath is 1.5mm.
- d.The cable should not be stored in open-air environments for more than 6 months, otherwise the spool may be damaged.
 - e.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.