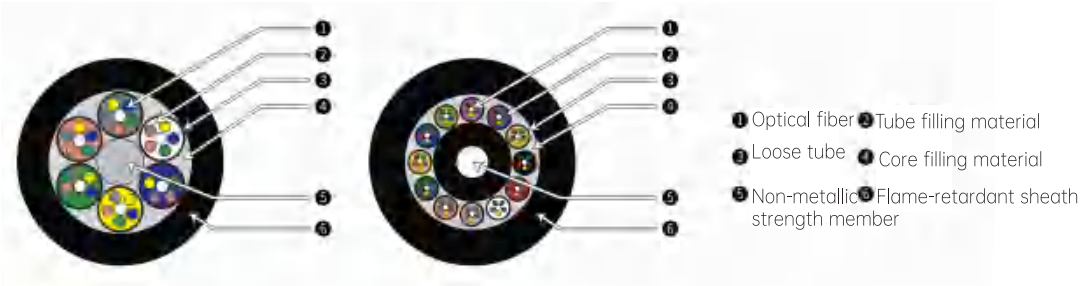


GYFTZY

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



Product Description

Colored optical fibers are placed in a loose tube made of high-modulus material, filled with thixotropic gel. The center of the cable core is a metal strength member. The loose tube(and filling rope)is twisted around the central strength member to form a circular cable core, with the interstices of the cable core filled with water-blocking gel. A flame-retardant sheath is extruded over the cable core.

Product Features

- The material of the loose tube itself has good resistance to hydrolysis and high strength.
- ◆Filled with thixotropic gel inside the tube,providing crucial sealing protection to the optical fibers.
- ◆Special sheath material has excellent flame retardancy.
- ◆Single non-metallic center strength member.
- ◆Possesses good mechanical performance and temperature characteristics.



Optical Characteristics

Fiber Type	Attenuation (+20°C)				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 Tube	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)				
GYFTZY-2~6Xn	2~6	1	5	123	400/1000	300/1000	10D/20D				
GYFTZY-8~12Xn	8~12	2	4	123							
GYFTZY-14~18Xn	14~18	3	3	123							
GYFTZY-20~24Xn	20~24	4	2	123							
GYFTZY-26~30Xn	26~30	5	1	123							
GYFTZY-32~36Xn	32~36	6	0	123							
GYFTZY-2~6Xn	2~6	1	6	131	600/1500			300/1000	10D/20D		
GYFTZY-8~12Xn	8~12	2	5	131							
GYFTZY-14~18Xn	14~18	3	4	131							
GYFTZY-20~24Xn	20~24	4	3	131							
GYFTZY-26~30Xn	26~30	5	2	131							
GYFTZY-32~36Xn	32~36	6	1	131							
GYFTZY-38~42Xn	38~42	7	0	131							
GYFTZY-44~48Xn	44~48	4	2	137							
GYFTZY-50~60Xn	50~60	5	1	137							
GYFTZY-62~72Xn	62~72	6	0	137							
GYFTZY-2~6Xn	2~6	1	7	155						1000/3000	300/1000
GYFTZY-8~12Xn	8~12	2	6	155							
GYFTZY-14~18Xn	14~18	3	5	155							
GYFTZY-20~24Xn	20~24	4	4	155							
GYFTZY-26~30Xn	26~30	5	3	155							
GYFTZY-32~36Xn	32~36	6	2	155							
GYFTZY-38~42Xn	38~42	7	1	155							
GYFTZY-44~48Xn	44~48	8	0	155							
GYFTZY-50~60Xn	50~60	5	3	162							
GYFTZY-62~72Xn	62~72	6	2	162							
GYFTZY-74~84Xn	74~84	7	1	162							
GYFTZY-86~96Xn	86~96	8	0	162							
GYFTZY-98~108Xn	98~108	9	1	192							
GYFTZY-110~120Xn	110~120	10	0	192							
GYFTZY-122~132Xn	122~132	11	1	228							
GYFTZY-134~144Xn	134~144	12	0	228							

Storage and Operating Temperature: -40°C to +70°C.

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.