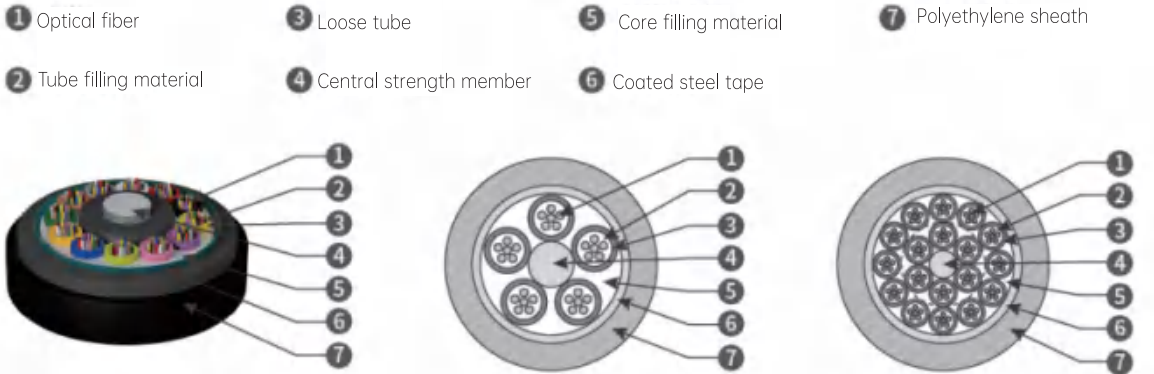


GYTZS

Loose Tube Layer Stranded 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. The cable is sheathed with a flame-retardant material after being longitudinally wrapped with double-sided corrugated steel tape.

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.
- ◆A single steel wire central strength member contributes to the parallelism and tensile strength of the optical cable.
- ◆Possesses good mechanical performance and temperature characteristics.
- ◆Coating with double-sided corrugated steel tape (PSP) enhances the cable's resistance to moisture ingress



Optical Characteristics

Fiber Type	Attenuation (+20℃)				Bandwidth		Numerical Aperture	Cable Cut-off Wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
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)
GYTZS-2~6Xn	2~6	1	4	118	600/1500	300/1000	10D/20D
GYTZS-8~12Xn	8~12	2	3	118			
GYTZS-14~18Xn	14~18	3	2	118			
GYTZS-20~24Xn	20~24	4	1	118			
GYTZS-26~30Xn	26~30	5	0	118			
GYTZS-32~36Xn	32~36	6	0	131			
GYTZS-38~48Xn	38~48	4	1	139			
GYTZS-50~60Xn	50~60	5	0	139			
GYTZS-62~72Xn	62~72	6	0	170			
GYTZS-74~84Xn	74~84	7	1	200			
GYTZS-86~96Xn	86~96	8	0	200			
GYTZS-98~108Xn	98~108	9	1	230			
GYTZS-110~120Xn	110~120	10	0	230			
GYTZS-122~132Xn	122~132	11	1	268			
GYTZS-134~144Xn	134~144	12	0	268			
GYTZS-146~216Xn	146~216	13-18	5-0	268			
GYTZS-288Xn	288	24	0	360			

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

Application: 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.