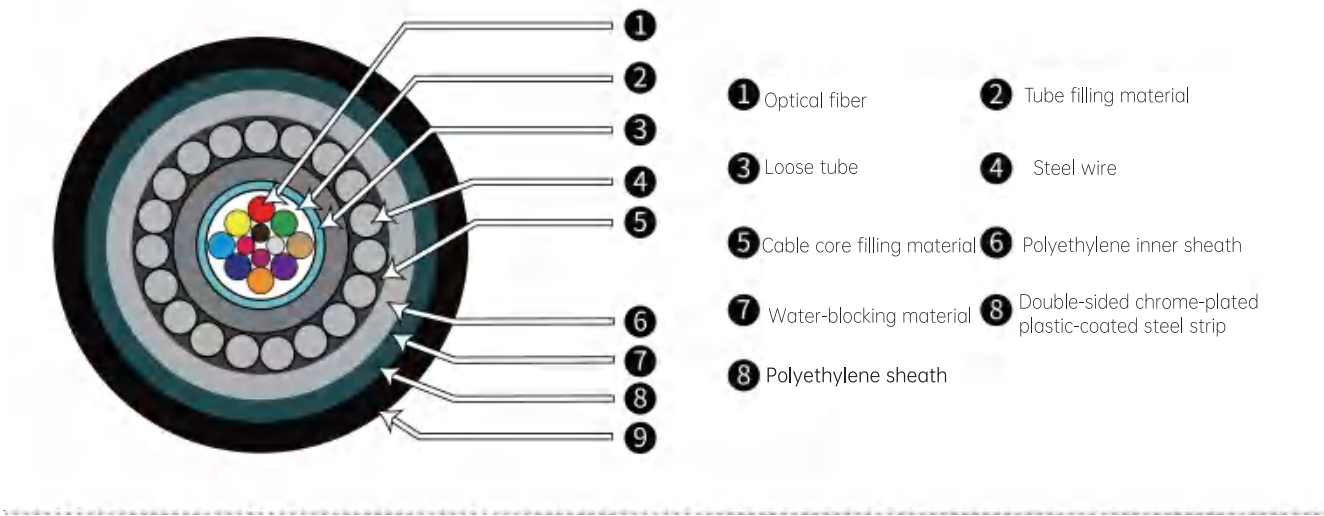


GYXTY53

Central Tube Type 53 Sheath Rat-proof Optical Cable



Product Description

Colored optical fibers are placed in a loose tube made of high-modulus, water-resistant material, filled with moisture-blocking gel. The outer layer of the loose tube is coated with waterproofing material to ensure longitudinal water resistance. After steel wire wrapping, a layer of polyethylene inner sheath is extruded. On the outside of the polyethylene inner sheath, both sides are longitudinally wrapped with chrome-plated plastic-coated steel tape, and then extruded with a polyethylene outer sheath.

Product Features

- ◆Exhibits good mechanical performance and temperature characteristics.
- ◆A layer of wrapped steel wire ensures the tensile strength of the optical cable.
- ◆The material of the loose tube has good hydrolysis resistance and excellent pressure resistance.
- ◆Filled with special grease inside the tube,providing crucial protection for the optical fibers.
- ◆Steel tape enhances the cable's moisture resistance.
- ◆Small size,lightweight,and easy to install.
- ◆A layer of wrapped steel wire ensures the tensile strength of the optical cable.



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 Rodius Static/Dynamic (mm)
GYXTY53-2~12Xn	2~12	144	1000/3000	1000/3000	12.5D/25D
GYXTY53-14~18Xn	14~18	155			
GYXTY53-20~24Xn	20~24	167			
GYXTY53-26~30Xn	26~30	178			
GYXTY53-32~36Xn	32~36	186			

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

Application: Ducts, Aerial, Direct Burial

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.