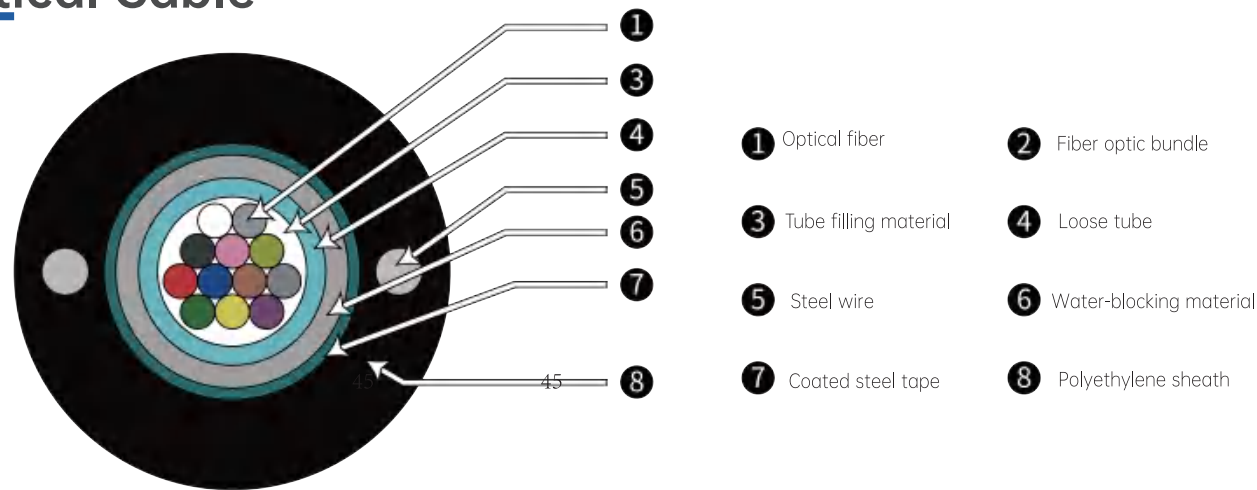


GYDXTW

Central Tube Type Lightweight Armored Fiber Ribbon Optical Cable



Product Description

A 12-core fiber ribbon is placed into a loose tube made of high-modulus, hydrolysis-resistant material, which is filled with thixotropic water-blocking gel. A layer of double-sided coated steel tape is longitudinally wrapped around the loose tube, and water-blocking gel is filled between the steel tape and the loose tube to ensure the compactness and longitudinal water blocking of the optical cable. Two parallel steel wires are placed on both sides, and then the cable is extruded with a flame retardant sheath.

Product Features

- ◆Exhibits good mechanical performance and temperature characteristics.
- ◆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.
- ◆Precise control of excess length of optical fibers inside the loose tube and excess length of cable core structure ensures that the cable meets the tensile performance and temperature characteristics required by product standards.
- ◆Double-sided coated steel tape enhances the cable's resistance to moisture penetration.
- ◆Two parallel steel wires ensure the stability and tensile performance of the cable.
- ◆Small diameter, lightweight, and easy to install.



Optical Characteristics

Fiber Type	Attenuation (+20°C)				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 X Per ribbon count	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)
GYDXTW-72Xn	6X12	188	600/1500	300/1000	10D/20D
GYDXTWW-96Xn	8X12	206			
GYDXTW-144Xn	12X12	238			
GYDXTW-216Xn	18X12	318			
GYDXTW-288Xn	12X24	346			

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

Application: Ducts, 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.

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.