

SHENZHEN HANXIN COMMUNICATION OPTICAL FIBER CABLE CO.,LTD

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Shenzhen city, China

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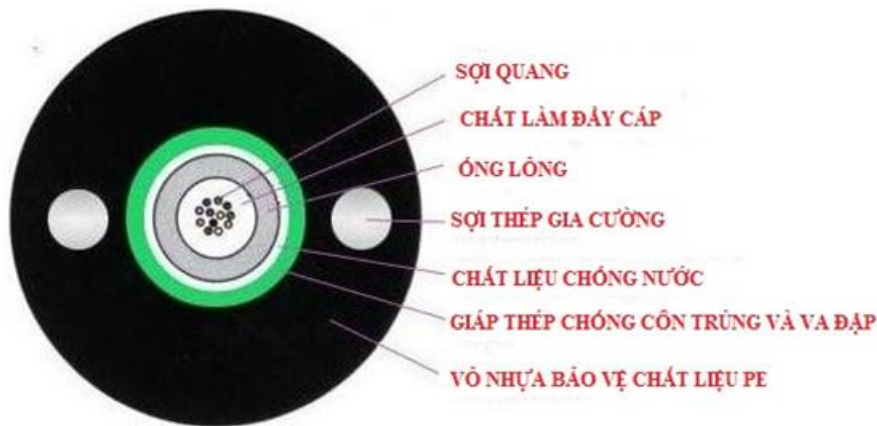
IN-OUTDOOR FIBER OPTIC CABLE SPECIFICATION GYXTW 2-24 CORE - SINGLE MODE



Temperature Range
 Operating -40°C to +70°C
 Storage -50°C to +70°C
 Installation -30°C to +70°C
 Bending Radius:
 Static 10D
 Dynamic 20D

Features

Up to 04-24 fibers
 Extremely refined refractive index profile
 Low differential mode delay (DMD)
 Low attenuation
 Uni tube gel-filled construction for superior fiber protection
 Corrugated steel tape armor to protect cable from mechanical damage
 Superior geometry, uniformity
 Two parallel steel wire or Non-metallic FRP wire to enhance tensile resistant
 UV and moisture-resistant designs.

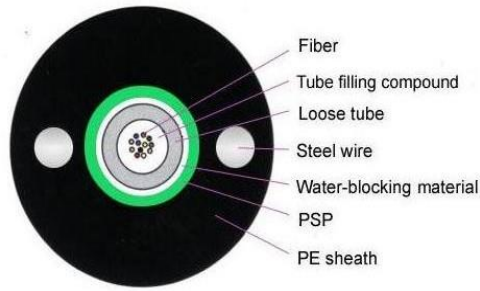


Benefits and Applications

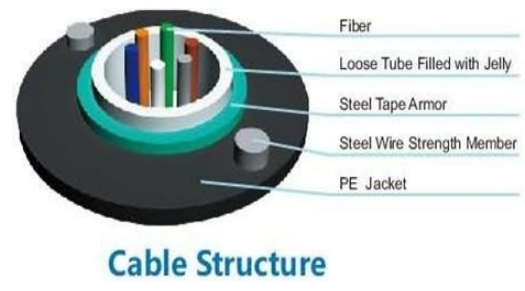
- Data centers
- Storage Area networks
- High performance computing centers
- Central offices
- Local Area Network
- Optimized performance in tight-buffer cable applications
- High resistance to micro-bending
- Stable performance over a wide range of environmental conditions.



GYXTW



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Cable Structure

Description

The fibers 9/125, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally. Between the PSP and the loose tube water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is completed with a polyethylene (PE) sheath.

Armored Uni – Tube Single Jacket/Single Armored cable is designed with the flexibility and versatility required for today's most demanding installations including direct buried. The metallic armor is used when mechanical protection is desired.

System Link Length

1. Construction

- 1.1 :PE jacket
- 1.2 Parallel steel strength member
- 1.3 Corrugated steel tape armored (PSP)
- 1.4 Water blocking tape PBT Loose Tube
- 1.5 Jelly core fibers

2. Fiber Parameters

Characteristics	Conditions	Specified Values	Units
Geometry Characteristics			
Core Diameter		9±2.5	(µm)
Core Non-Circularity		≤ 50	(%)
Cladding Diameter		125.0±1.0	(µm)
Cladding Non-Circularity		≤0.1	(%)
Coating Diameter		245±7	(µm)
Coating/Cladding Concentricity Error		≤ 10.0	(µm)
Coating Non-Circularity		≤ 6.0	(%)
Core/Cladding Concentricity Error		≤ 1.0	(µm)
Delivery Length		Up to 8.8	(km.reel)
Optical fiber type		Single mode	G652
Waveband		1310/1550	nm
IL	1310 nm	0.36	dB
	1550 nm	0.23	dB
Max. Tension	Long-term	250	M
	Short- Term	550	M
Max. Crushing Resistance	Long-term	300	N/100mm
	Short- Term	1000	N/100mm
Min. Bending Radius	Long-term	30D	(Dynamic)
	Short- Term	15D	(Static)

3. Fiber colorcode

The fiber in the loose tube is colored according to the following color code. Each color is distinguishable from the other under normal light conditions

No	1	2	3	4	5	6	7	8	9	10	11	12
Color	1	2	3	4	5	6	7	8	9	10	11	12
No	13	14	15	16	17	18	19	20	21	22	23	24
Color	1	2	3	4	5	6	7	8	9	10	11	12

Noted: For 24 core unitube fiber optic cable.the fiber color will mark with Ink on fiber

4. Packing and Drum

- Each single length of cable shall be reeled on Drum suitable for long-distanceShipment.
- Cables should be protected from moisture; kept away from high temperature and fire sparks; protected from over bending and crushing; protected from mechanical stress and damage



5. Productionline

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