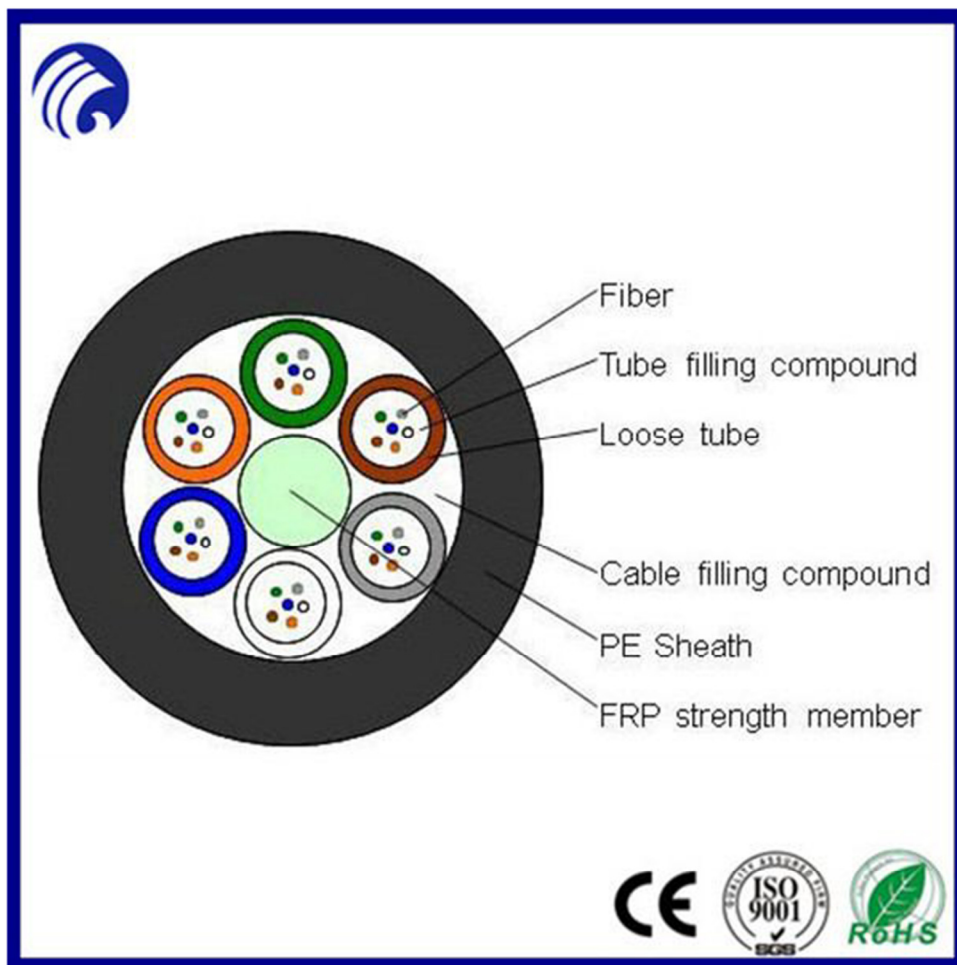


OPTIC

GYFTY series fiber optic cable

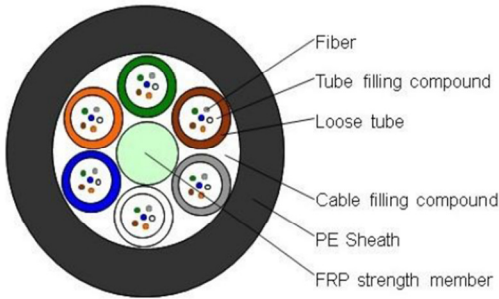


Stranded Loose Tube Non-metallic Strength Member Non-armored Cable

(GYFTY)

Description

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A Fiber Reinforced Plastic (FRP) locates in the center of core as a non-metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular core. After the cable core is filled with the filling compound to protect it from water ingress, the cable is completed with a PE sheath.



Features

- ◆ Good mechanical and temperature performance
- ◆ High strength loose tube that is hydrolysis resistant
- ◆ Special tube filling compound ensure a critical protection of fiber
- ◆ Crush resistance and flexibility
- ◆ The following measures are taken to ensure the cable watertight:
- ◆ Single Fiber Reinforced Plastic as the central strength member
- ◆ Loose tube filling compound

- ◆ 100% cable core filling

Technical data

Fiber Num.	Outer diameter (mm)	Weight (kg/km)	Tension (N)		Crash loading (N/100mm)	
			Short term	Long term	Short term	Long term
2-30	8.7	66	1500	600	1000	300
32-60	9.3	78				
62-72	9.9	90				
74-84	11.2	114				
86-96	11.2	114				
98-120	12.9	141				
122-144	14.4	174				

Performance

- ◆ Max attenuation : 0.35dB 1310nm and 0.21dB/Km 1550nm
- ◆ Fiber : G652D
- ◆ Installation : Suitable for aerial or duct
- ◆ Application : Apply to Long distance communication system,
Local area network system and Subscriber network system
- ◆ Lifetime : above 30 years
- ◆ Operating temperature : -40°C~+70°C

- ◆ Permission bent radius Static : 10 times O.D.
 Dynamic : 20 times O.D

■ Standard Fiber Colour Identification

No. of fiber	1	2	3	4	5	6
Color of fiber	Blue	Orange	Green	Brown	Slate	White
No. of fiber	7	8	9	10	11	12
Color of fiber	Red	Black	Yellow	Violet	Pink	Aqua

NOTE:

- a. The colour of fiber in loose tube is arranged from No.1 colour successively
- b. Other colour identifications available on request

■ Tube Full Colour Identification

Tube Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Brown	Slate	Natural	Red	Black	Yellow	Violet	Pink	Aqua

NOTE:

- a. The colour of loose tube in cable is arranged from No.1 colour successively

■ Indicatory Colour Identification

Tube Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Red	Green	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural

NOTE:

- a. If fillers are used in the cable core, they should be arranged near the red tube except when there are special requirements
- b. If only one tube is in the cable core, the tube colour should be green except when there are special requirements

