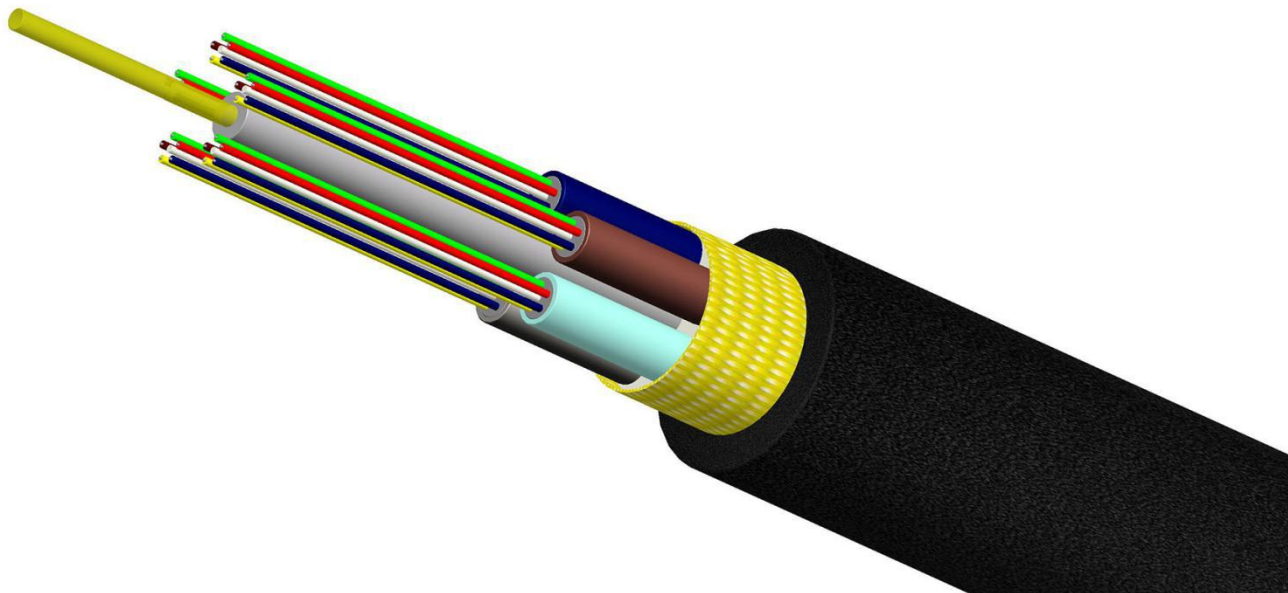




**Non-metallic Strength Member Non-armored(GYFTY)**



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 02 (Version 2)

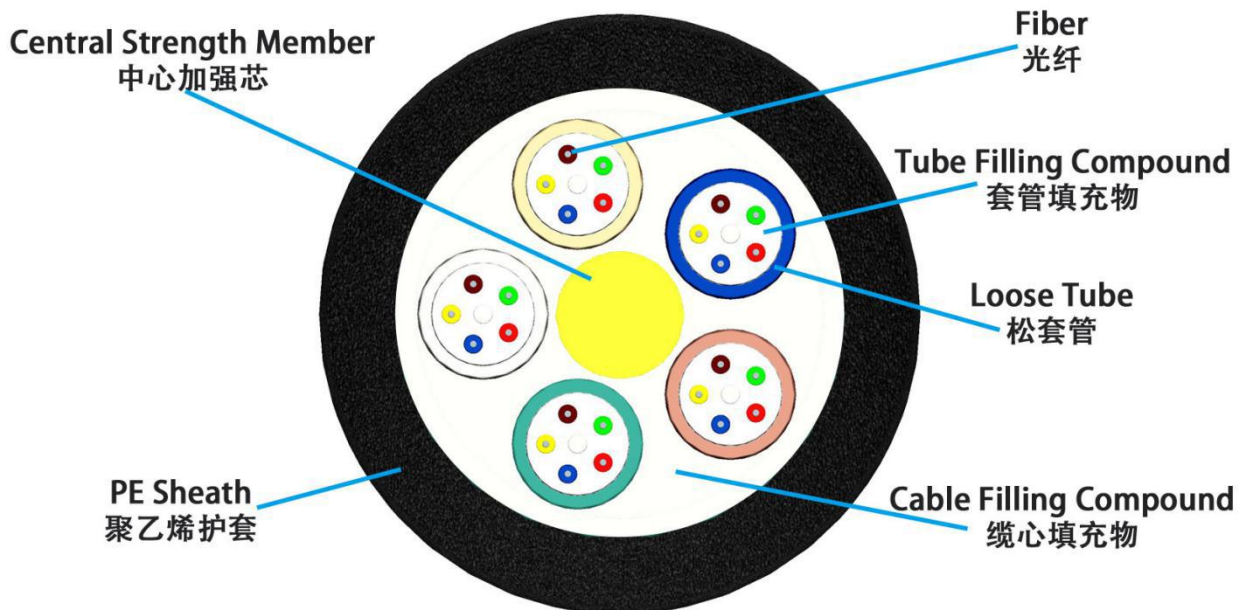
### Overview

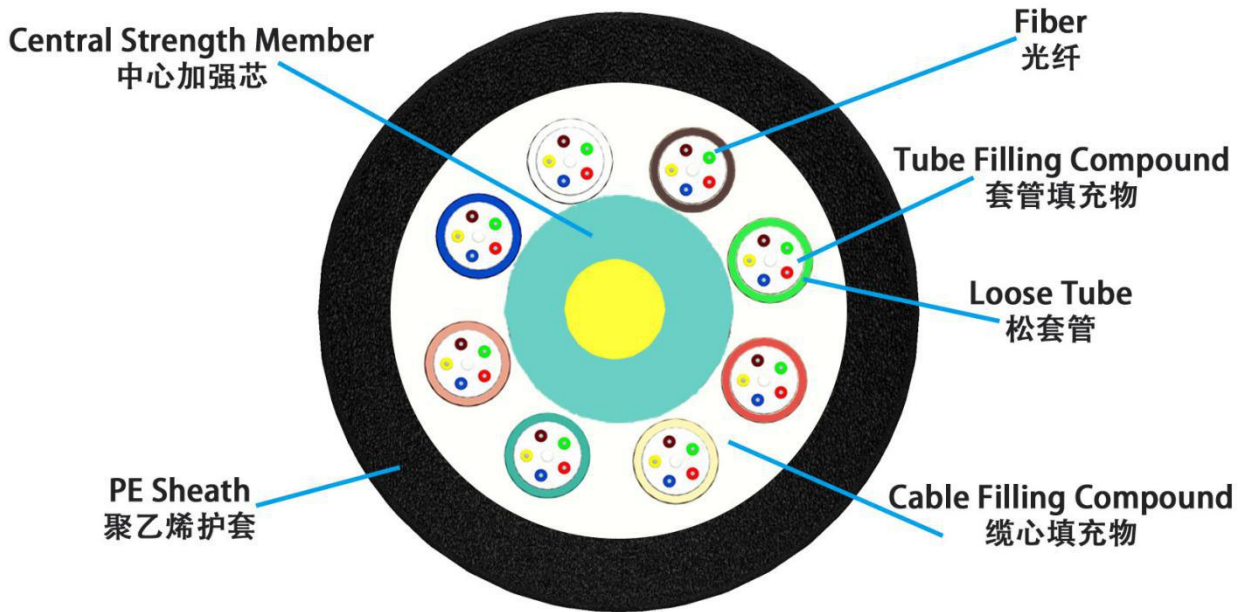
The fibers, 250 μ m, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A Fiber Reinforced Plastic (FRP) locates in the center of core as a non-metallic strength member. The tubes (and fillers) are stranded around the strength 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.

### Product Features

- Good mechanical and temperature performance
- High strength loes 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

### Product Structure





**Optical Characteristics**

		G.652	G.655	50/125μm	62.5/125μm
Attenuation (+20℃)	@850nm			≤3.0 dB/km	≤3.0 dB/km
	@1300nm			≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km		
	@1550nm	≤0.22 dB/km	≤0.23 dB/km		
Bandwidth (Class A)	@850nm			≥500 MHz·km	≥200 MHz·km
	@1300nm			≥1000 MHz·km	≥600 MHz·km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength λ <sub>cc</sub>		≤1260nm	≤1480nm		



## Non-metallic Strength Member Non-armored Cable (GYFTY)

### Technical Parameters

Cable Type	Fiber Count	Tubes	Fillers	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius Static/Dynamic mm
GYFTY-2~6	2~6	1	5	10.6	88	400/1000	300/1000	10D/20D
GYFTY-8~12	8~12	2	4	10.6	88	400/1000	300/1000	10D/20D
GYFTY-14~18	14~18	3	3	10.6	88	400/1000	300/1000	10D/20D
GYFTY-20~24	20~24	4	2	10.6	88	400/1000	300/1000	10D/20D
GYFTY-26~30	26~30	5	1	10.6	88	400/1000	300/1000	10D/20D
GYFTY-32~36	32~36	6	0	10.6	88	400/1000	300/1000	10D/20D
GYFTY-2~6	2~6	1	6	11.0	97	600/1500	300/1000	10D/20D
GYFTY-8~12	8~12	2	5	11.0	97	600/1500	300/1000	10D/20D
GYFTY-14~18	14~18	3	4	11.0	97	600/1500	300/1000	10D/20D
GYFTY-20~24	20~24	4	3	11.0	97	600/1500	300/1000	10D/20D
GYFTY-26~30	26~30	5	2	11.0	97	600/1500	300/1000	10D/20D
GYFTY-32~36	32~36	6	1	11.0	97	600/1500	300/1000	10D/20D
GYFTY-38~42	38~42	7	0	11.0	97	600/1500	300/1000	10D/20D
GYFTY-44~48	44~48	4	2	12.0	113	600/1500	300/1000	10D/20D
GYFTY-50~60	50~60	5	1	12.0	113	600/1500	300/1000	10D/20D
GYFTY-62~72	62~72	6	0	12.0	113	600/1500	300/1000	10D/20D
GYFTY-2~6	2~6	1	7	12.0	120	1000/3000	300/1000	10D/20D



**Non-metallic Strength Member Non-armored Cable (GYFTY)**

Cable Type	Fiber Count	Tubes	Fillers	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius Static /Dynamic mm
GYFTY-8~12	8~12	2	6	12.0	120	1000/3000	300/1000	10D/20D
GYFTY-14~18	14~18	3	5	12.0	120	1000/3000	300/1000	10D/20D
GYFTY-20~24	20~24	4	4	12.0	120	1000/3000	300/1000	10D/20D
GYFTY-26~30	26~30	5	3	12.0	120	1000/3000	300/1000	10D/20D
GYFTY-32~36	32~36	6	2	12.0	120	1000/3000	300/1000	10D/20D
GYFTY-38~42	38~42	7	1	12.0	120	1000/3000	300/1000	10D/20D
GYFTY-44~48	44~48	8	0	12.0	120	1000/3000	300/1000	10D/20D
GYFTY-50~60	50~60	5	2	13.0	137	1000/3000	300/1000	10D/20D
GYFTY-62~72	62~72	6	1	13.0	137	1000/3000	300/1000	10D/20D
GYFTY-74~84	74~84	7	0	13.0	137	1000/3000	300/1000	10D/20D
GYFTY-86~96	86~96	8	0	13.9	154	1000/3000	300/1000	10D/20D
GYFTY-98~108	98~108	9	1	15.3	185	1000/3000	300/1000	10D/20D
GYFTY-110~120	110~120	10	0	15.3	185	1000/3000	300/1000	10D/20D

Storage/Operating Temperature : -40°C to + 70°C

**Important Notice**

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