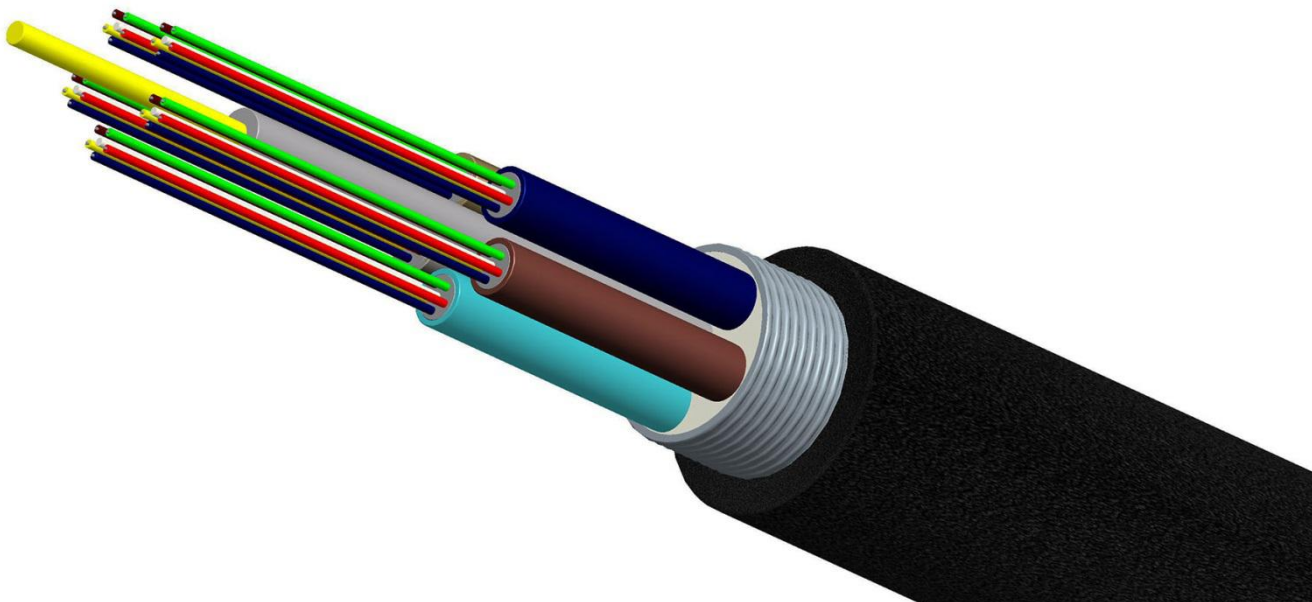




Non-metallic Strength Member Non-armored Cable (GYFTA)



Shenzhen Optostar Optoelectronics Co., Ltd

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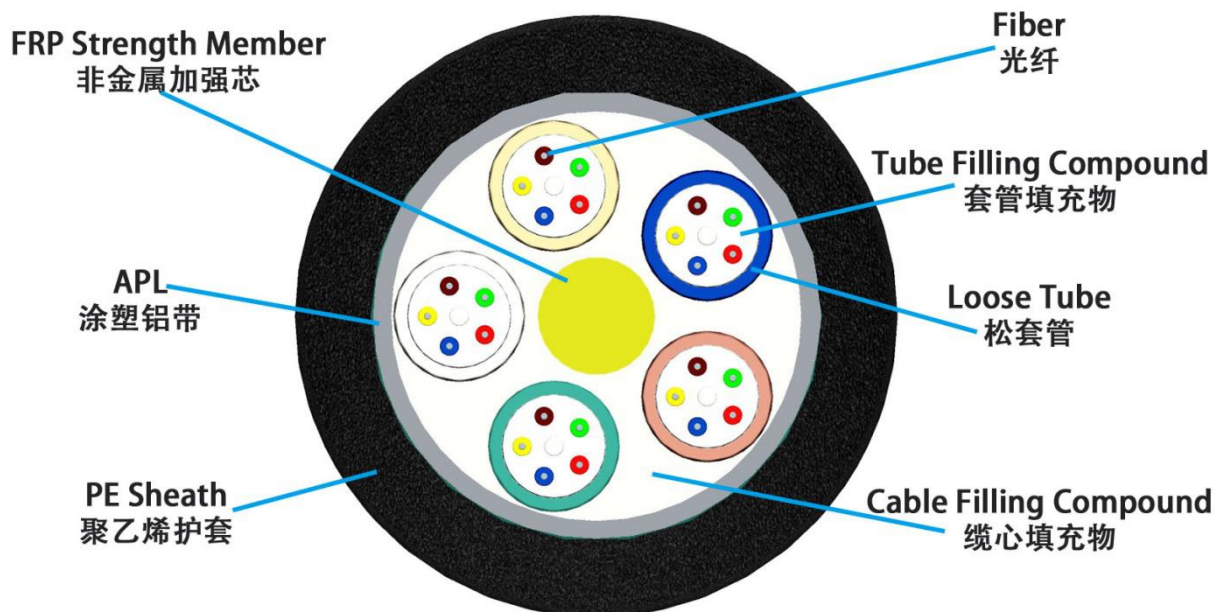
Overview

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 an Aluminum Polyethylene Laminate (APL) moisture barrier is applied around the cable core, the cable is completed with a PE sheath.

Product Features

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Specially designed compact structure is good at preventing loose tubes from shrinking
- PE sheath protects cable from ultraviolet radiation
- GYFTA cable complies with Standard YD/T 901-2001 as well as IEC 60794-1.
- 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
 - APL moisture barrier

Product Structure



Optical Characteristics

		G. 652	G. 655	50/125μm	62.5/125μm
Attenuation (+20°C)	@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	≤ 0.23dB/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 _{cc}		≤1260nm	≤1480nm		

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
GYFTA-2~6	2~6	1	5	11.4	108	400/1000	300/1000	10D/20D
GYFTA-8~12	8~12	2	4	11.4	108	400/1000	300/1000	10D/20D
GYFTA-14~18	14~18	3	3	11.4	108	400/1000	300/1000	10D/20D
GYFTA-20~24	20~24	4	2	11.4	108	400/1000	300/1000	10D/20D
GYFTA-	26~30	5	1	11.4	108	400/1000	300/1000	10D/20D



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26~30								
GYFTA-32~36	32~36	6	0	11.4	108	400/1000	300/1000	10D/20D
GYFTA-2~12	2~12	1	5	12.8	134	600/1500	300/1000	10D/20D
GYFTA-14~24	14~24	2	4	12.8	134	600/1500	300/1000	10D/20D
GYFTA-26~36	26~36	3	3	12.8	134	600/1500	300/1000	10D/20D
GYFTA-38~48	38~48	4	2	12.8	134	600/1500	300/1000	10D/20D
GYFTA-50~60	50~60	5	1	12.8	134	600/1500	300/1000	10D/20D
GYFTA-62~72	62~72	6	0	12.8	134	600/1500	300/1000	10D/20D
GYFTA-2~6	2~6	1	7	12.8	140	1000/3000	300/1000	10D/20D
GYFTA-8~12	8~12	2	6	12.8	140	1000/3000	300/1000	10D/20D
GYFTA-14~18	14~18	3	5	12.8	140	1000/3000	300/1000	10D/20D
GYFTA-20~24	20~24	4	4	12.8	140	1000/3000	300/1000	10D/20D
GYFTA-26~30	26~30	5	3	12.8	140	1000/3000	300/1000	10D/20D
GYFTA-32~36	32~36	6	2	12.8	140	1000/3000	300/1000	10D/20D
GYFTA-38~42	38~42	7	1	12.8	140	1000/3000	300/1000	10D/20D
GYFTA-44~48	44~48	8	0	12.8	140	1000/3000	300/1000	10D/20D
GYFTA-50~60	50~60	5	3	14.8	176	1000/3000	300/1000	10D/20D
GYFTA-62~72	62~72	6	2	14.8	176	1000/3000	300/1000	10D/20D
GYFTA-74~84	74~84	7	1	14.8	176	1000/3000	300/1000	10D/20D



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GYFTA-86~96	86~96	8	0	14.8	176	1000/3000	300/1000	10D/20D
GYFTA-98~108	98~108	9	1	17.1	226	1000/3000	300/1000	10D/20D
GYFTA-110~120	110~120	10	0	17.1	226	1000/3000	300/1000	10D/20D
GYFTA-122~132	122~132	11	1	19.2	279	1000/3000	300/1000	10D/20D
GYFTA-134~144	134~144	12	0	19.2	279	1000/3000	300/1000	10D/20D

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

Important Notice

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