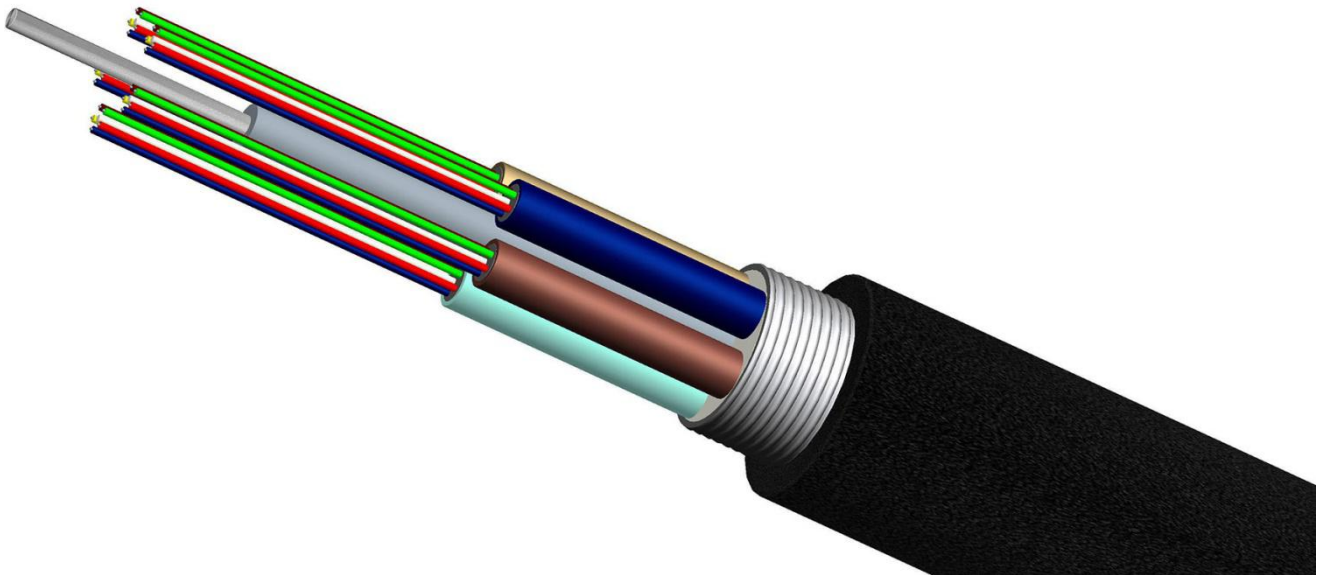




Stranded Loose Tube Non-armored Cable (GYTA)



Shenzhen Optostar Optoelectronics Co., Ltd

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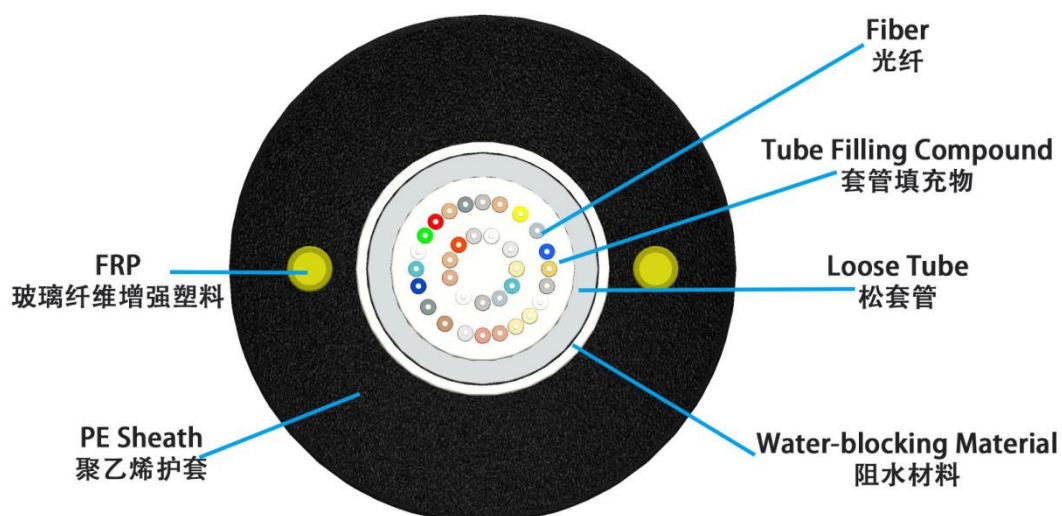
Overview

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 steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then, 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;
- Standards: GYTA cable complies with Standard YD/T 901-2001 as well as IEC 60794-1;
- The following measures are taken to ensure the cable watertight:
 - Steel wire used as the central strength member
 - Loose tube filling compound
 - 100% cable core filling
 - APL moisture barrier

Product Structure



Optical Characteristics

		G.652	G.655	50/125 μ m	62.5/125 μ m
Attenuation (+20 $^{\circ}$ 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	≤ 0.23 dB/km		
Bandwidth (Class A)	@850nm			≥ 500 MHz \cdot km	≥ 200 MHz \cdot km
	@1300nm			≥ 1000 MHz \cdot km	≥ 600 MHz \cdot km
Numerical Aperture				0.200 ± 0.015 NA	0.275 ± 0.015 NA
Cable Cut-off Wavelength λ_{cc}		≤ 1260 nm	≤ 1480 nm		

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
GYTA-2~6	2~6	1	4	9.7	90	600/1500	300/1000	10D/20D
GYTA-8~12	8~12	2	3	9.7	90	600/1500	300/1000	10D/20D
GYTA-14~18	14~18	3	2	9.7	90	600/1500	300/1000	10D/20D
GYTA-20~24	20~24	4	1	9.7	90	600/1500	300/1000	10D/20D
GYTA-26~30	26~30	5	0	9.7	90	600/1500	300/1000	10D/20D
GYTA-32~36	32~36	6	0	10.2	104	1000/3000	300/1000	10D/20D



GYTA-38~48	38~48	4	1	11.0	117	1000/3000	300/1000	10D/20D
GYTA-50~60	50~60	5	0	11.0	117	1000/3000	300/1000	10D/20D
GYTA-62~72	62~72	6	0	11.5	126	1000/3000	300/1000	10D/20D
GYTA-74~84	74~84	7	1	13.4	154	1000/3000	300/1000	10D/20D
GYTA-86~96	86~96	8	0	13.4	154	1000/3000	300/1000	10D/20D
GYTA-98~108	98~108	9	1	14.8	185	1000/3000	300/1000	10D/20D
GYTA-110~120	110~120	10	0	14.8	185	1000/3000	300/1000	10D/20D
GYTA-122~132	122~132	11	1	16.9	228	1000/3000	300/1000	10D/20D
GYTA-134~144	134~144	12	0	16.9	228	1000/3000	300/1000	10D/20D
GYTA-146~216	146~216			16.9	233	1000/3000	300/1000	10D/20D

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

Important Notice

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Contact OPTOSTAR

Shenzhen Optostar Optoelectronics Co., Ltd

Address:A-14,Haide Building,the Intersection of Nanxin Road and Haide Second Road Nanshan District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001

Email: info@optostar.com.cn

Skype:ouyangroya

Web: www.optostar.com.cn