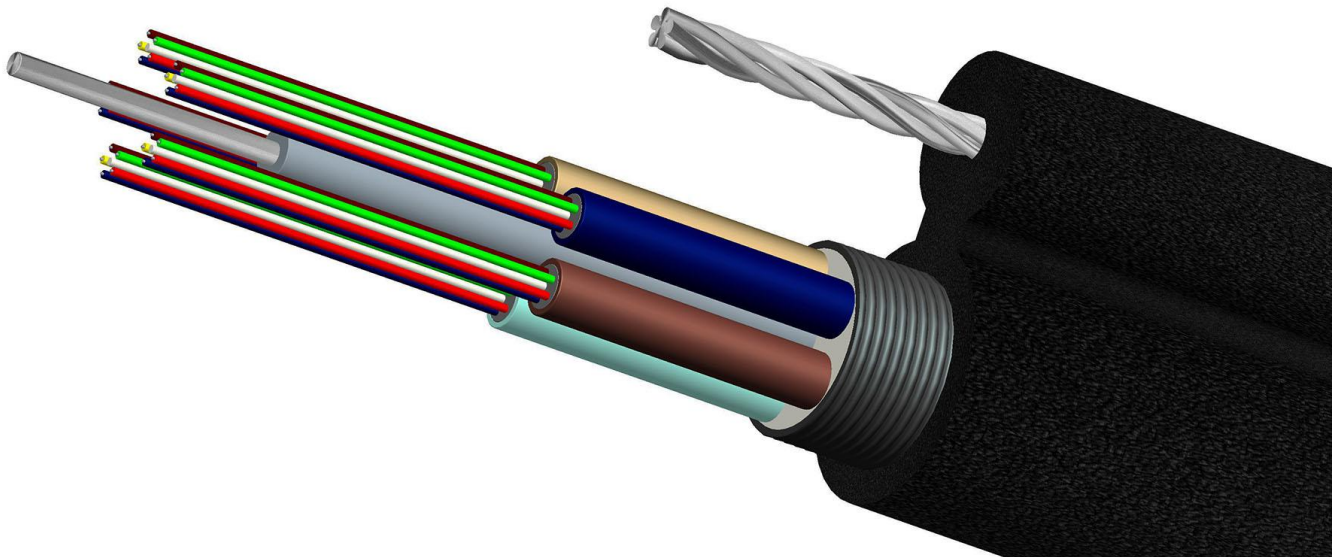




Figure 8 Cable (GYTC8A)



Shenzhen Optostar Optoelectronics Co., Ltd

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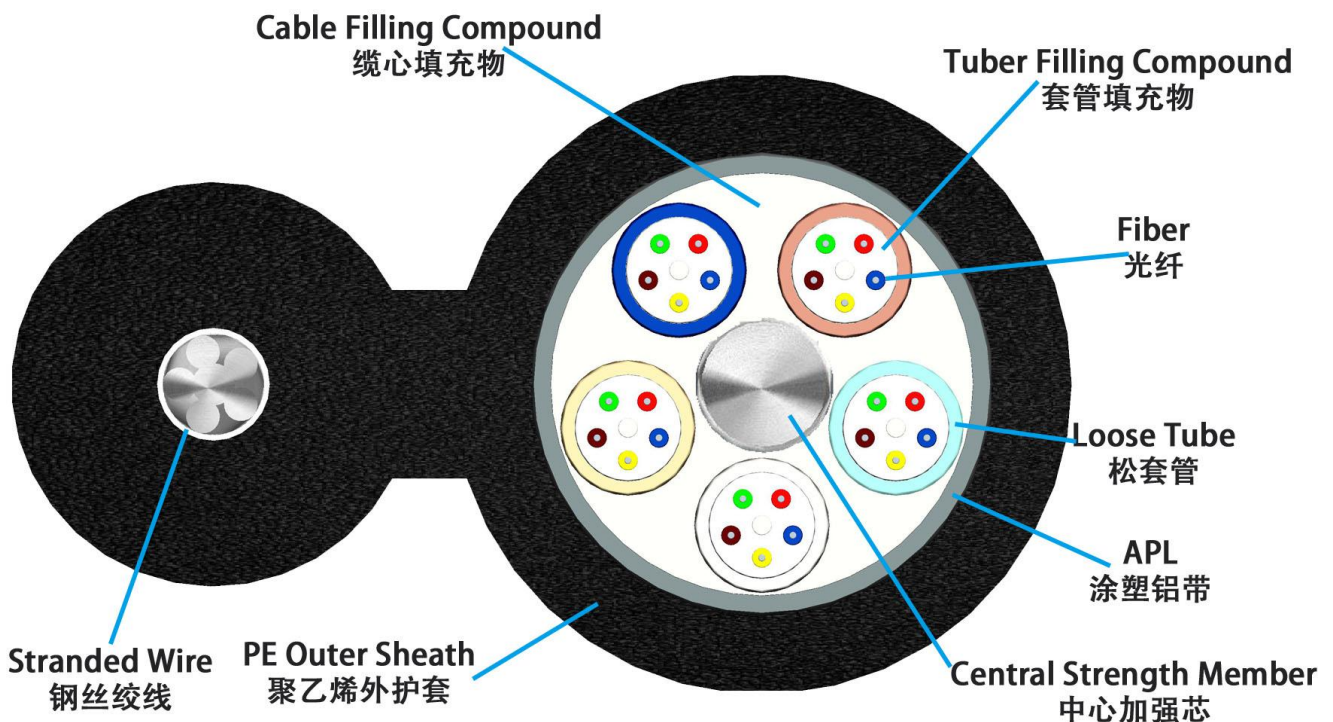
Overview

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 locates in the center of core as a metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular cable core. After an Aluminum Polyethylene Laminate (APL) moisture barrier is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene (PE) sheath to be figure 8 structure.

Product Features

- High tensile strength of stranded wires meet the requirement of self-supporting and reduce the installation cost;
- Good mechanical and temperature performance;
- High strength loose tube that is hydrolysis resistant;
- Special tube filling compound ensure a critical protection of fiber;
- Standards: GYTC8A cable complies with Standard YD/T 1155-2001 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
GYTC8A-2~6	2~6	1	4	9.5 \times 18.3	218	600/1500	300/1000	10D/20D
GYTC8A-8~12	8~12	2	3	9.5 \times 18.3	218	600/1500	300/1000	10D/20D
GYTC8A-14~18	14~18	3	2	9.5 \times 18.3	218	600/1500	300/1000	10D/20D
GYTC8A-20~24	20~24	4	1	9.5 \times 18.3	218	600/1500	300/1000	10D/20D
GYTC8A-26~30	26~30	5	0	9.5 \times 18.3	218	600/1500	300/1000	10D/20D

 Storage/Operating Temperature : -40 $^{\circ}$ C to + 70 $^{\circ}$ C

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without 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