

Description&Standards :

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 core is covered with a thin PE inner sheath. After the PSP is longitudinally applied over the inner sheath, the cable is completed with a PE outer sheath.

GYTC8S-07 Cable complies with Standard YD/T 1155-2001 as well as IEC 60794-1

Characteristics:

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 fiber;
The following measures are taken to ensure the cable watertight:

- (1) Steel wire used as the central strength member;
- (2) Loose tube filling compound;
- (3) 100% cable core filling;

Technical Parameters:

Cable Type	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)
GYTC8S-2~6	9.5*18.3	218	2500/4000	600/1500	10D/20D
GYTC8S-8~12	9.5*18.3	218	2500/4000	600/1500	10D/20D
GYTC8S-14~18	9.5*18.3	218	2500/4000	600/1500	10D/20D
GYTC8S-20~24	9.5*18.3	218	2500/4000	600/1500	10D/20D
GYTC8S-26~30	9.5*18.3	218	2500/4000	600/1500	10D/20D
GYTC8S-31~36	9.5*18.3	218	2500/4000	600/1500	10D/20D
GYTC8S-37~42	9.5*18.3	218	2500/4000	600/1500	10D/20D
GYTC8S-43~52	9.5*18.3	245	2500/4000	600/1500	10D/20D

Optical fiber Characteristics:

		G.652	G.655	50/125μm	62.5/125μm
	@850nm			≤3.0 dB/km	≤3.0 dB/km
	@1300nm			≤1.0 dB/km	≤1.0 dB/km
Attenuation (+20℃)	@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±0.015 NA	0.275±0.015NA
Cable Cut-off Wavelength λ _{cc}	≤1260nm		≤1480nm		
Storage/Operating Temperature	: -40℃ to + 60℃				

Order Informations:

Marking	KINGTONE KT3005 GYTC 8S XXX M/FT (or Per customer's request)
Package	1000M/2000M/3000M, Drum/Pallet (or Per customer's request)
Delivery time	Normally 15 days after received the deposit.

Online Service:

Skype	kingtone3
ICQ	246632889