

## Description&Standards :

The fibers, 250 $\mu$ m, 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.

GYXTC8S 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;

(4) APL moisture barrier.

## 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)
GYXTC8S-2~6	8.5*13.5	165	600/1500	300/1000	10D/20D
GYXTC8S-8~12	8.5*13.5	165	600/1500	300/1000	10D/20D

## Optical fiber Characteristics:

		G.652	G.655	50/125 $\mu$ m	62.5/125 $\mu$ m
	@850nm			$\leq 3.0$ dB/km	$\leq 3.0$ dB/km
	@1300nm			$\leq 1.0$ dB/km	$\leq 1.0$ dB/km
Attenuation (+20 $^{\circ}$ C)	@1310nm	$\leq 0.36$ dB/km	$\leq 0.40$ dB/km		
	@1550nm	$\leq 0.22$ dB/km	$\leq 0.23$ dB/km		
Bandwidth (Class A)	@850nm			$\geq 500$ MHz·km	$\geq 200$ MHz·km
	@1300nm			$\geq 1000$ MHz·km	$\geq 600$ MHz·km
Numerical Aperture				0.200 $\pm$ 0.015 NA	0.275 $\pm$ 0.015NA
Cable Cut-off Wavelength $\lambda_{cc}$	$\leq 1260$ nm	$\leq 1480$ nm			

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

## Order Informations:

Marking	KINGTONE KT3009 GYXTC8S 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