

# KT3012 GYFTY53 Outdoor Fiber Optic Cable



KT3012

## 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 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. Then the cable core is covered with a thin polyethylene (PE) inner sheath, which is filled with jelly to protect it from water ingress. A layer of water-blocking material is applied around the cable core to prevent water ingress all the same. After a corrugated steel tape armor is applied. the cable is completed with a PE outer sheath.

GYFTY53 cable complies with Standard YD/T 901-2001as well as IEC 60794-1.

## Characteristics:

Good mechanical and temperature performance;  
High strength looes tube that is hydrolysis resistant;  
Special tube filling compound ensure a critical protection fiber;  
Crush resistance and flexibility;  
The following measures are taken to ensure the cable watertight:  
(1)Single Fiber Reinforced Plastic as the central strength member;  
(2)Loose tube filling compound;  
(3)100% cable core filling;  
(4)PSP enhancing moisture-proof;  
(5)Water-blocking material.

## 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)
GYFTY53-2~24	13.5	200	1000/3000	1000/3000	10D/20D

## Optical fiber Characteristics:

Attenuation (+20℃)		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
	@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 <sub>cc</sub>		≤1260nm	≤1480nm		
Storage/Operating Temperature : -40℃ to + 70℃					

## Order Informations:

Marking	KINGTONE KT3012 GYFTY53 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