

## 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 is completed with a PE sheath.

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

## Characteristics:

- 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;
- 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)
GYTA-2~6	9.7	90	600/1500	300/1000	10D/20D
GYTA-8~12	9.7	90	600/1500	300/1000	10D/20D
GYTA-14~18	9.7	90	600/1500	300/1000	10D/20D
GYTA-20~24	9.7	90	600/1500	300/1000	10D/20D
GYTA-26~30	9.7	90	600/1500	300/1000	10D/20D
GYTA-32~36	10.2	104	1000/3000	300/1000	10D/20D
GYTA-38~48	11.0	117	1000/3000	300/1000	10D/20D
GYTA-50~60	11.0	117	1000/3000	300/1000	10D/20D

## Optical fiber Characteristics:

	G.652	G.655	50/125µm	62.5/125µm
Attenuation (+20°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·km	≥200 MHz·km
@1300nm			≥1000 MHz·km	≥600 MHz·km
Numerical Aperture			0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ <sub>cc</sub>	≤1260nm	≤1480nm		
Storage/Operating Temperature	: -40°C to + 70°C			

## Order Informations:

- Marking KINGTONE KT3003 GYTA 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.