



# Gel-Filled Loose Tube All Dielectric Cable

## GYFTY- Duct / Aerial

- ⦿ Fiber reinforced plastic central strength member
- ⦿ Tube filling gel
- ⦿ Loose tube stranded
- ⦿ PE sheath outdoor cable



## Performance

### Application

- ⦿ Long haul and building network communication

### Operating Temperature

- ⦿ -40°C~+70°C

## Features and Benefits

<b>Water-blocking construction</b>	Moisture-proof and prevents water penetration
<b>Special filling gel in loose tubes</b>	Reduce or eliminate reflection losses and prevent water penetration
<b>Fiber reinforced plastic as central strength member</b>	High Corrosion resistance and Young's modulus
<b>All dielectric construction design</b>	Eliminates electromagnetic induction effect
<b>Strict craft and raw material control enable</b>	Lifespan over 30 years
<b>Customized longitudinal color strip</b>	Easy identification, packing and maintenance

### Note:

- ⦿ According to different applications, anti-termite and anti-bullet are optional.
- ⦿ For flame retardant cable, outer sheath can be made of low-smoke zero halogen (LSZH) material, and the type is GYFTZY.
- ⦿ The aluminum tape armored or steel tape armored cable can be provided the type is GYFTA or GYFTS.
- ⦿ Longitudinal color strip on outer sheath can be provided according to customer's requests. More details please refer to GYFZA.
- ⦿ Special cable structure can be designed and manufactured upon customer's request.

## Technical Specification

Fiber Count	Nominal Diameter (mm)	Nominal Weight (kg/km)	Max Fibers per Tube	No. of (Tubes + Fillers)	Allowable Tensile Load (N)		Allowable Crush Resistance (N/100mm)	
					Short Term	Long Term	Short Term	Long Term
2~36	10.2	85	6	6	1500	600	1000	300
38~72	11.1	100	12	6	1500	600	1000	300
74~96	12.6	130	12	8	1500	600	1000	300
98~120	14.1	162	12	10	1500	600	1000	300
122~144	15.9	204	12	12	1800	600	1000	300
146~216	15.9	205	12	18 (2layers)	1800	600	1000	300
>216	Available upon customer's request							

\*Customized cable structure is available