



# All-Dielectric Self-Supporting (Double Sheath, Nylon Sheath If Required)

## GYFTCY -Aerial /Duct/ Direct Buried

- Fiber reinforced plastic central strength member
- Loose tube stranded
- PE sheath all-dielectric
- Self-supporting aerial cable

FRP central strength member		Binder & Additional
UV fiber		Ripcord
Tube filling gel		PE inner sheath
Loose tube		Aramid yarn or Glass yarn
Cable core filling compound		PE/AT outer sheath

## Performance

### Application

- The actual status of overhead power lines

### Operating Temperature

- -40°C~+70°C

## Features and Benefits

### Water-blocking construction

Moisture-proof and prevents water penetration

### Special filling gel in loose tubes

Reduce or eliminate reflection losses and prevent water penetration

### All dielectric construction design

Eliminates electromagnetic induction effect

### Strict craft and raw material control enable

Lifespan over 30 years

### Customized longitudinal color strip

Easy identification, packing and maintenance

Note:

- According to different applications, anti-termite and anti-rodent are optional.
- For flame retardant cable, LSZH (Low-Smoke Zero Halogen) material is applicable to outer sheath and the type is GYFTZCY.
- The cable technology parameters and fiber count, weather, span can be designed according to the project's requirement
- For the actual status of overhead power lines and the load on pole and towers suspension point. AT outer sheath is applied.

## 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	10.7	92	6	6	2700	1000	1000	300
38~72	11.6	103	12	6	2700	1000	1000	300
74~96	13.3	149	12	8	2700	1000	1000	300
98~120	14.8	180	12	10	2700	1000	1000	300
122~144	16.4	222	12	12	2700	1000	1000	300
146~216	18.8	224	12	18 (2layers)	2700	1000	1000	300
>216	Available upon customer's request							

\*Customized cable structure is available