

## Optical Fiber Cable GYFTY(Aramid yarn) Type PE Jacked

### Form one single mode fiber

Item	Unit	Specification
Attenuation	dB/km	1310nm ≤ 0.4 1550nm ≤ 0.3
Dispersion	Ps/nm.km	1285~1330nm ≤ 3.5 1550nm ≤ 18.0
Zero dispersion wavelength	Nm	1300~1324
Zero dispersion slope	Ps/nm.km	≤ 0.095
Fiber cutoff wavelength	Nm	≤ 1260
Mode field diameter	Um	9.2 ± 0.5
Mode field concentricity	Um	≤ 0.8
Cladding diameter	um	125 ± 1.0
Cladding non-circularity	%	≤ 1.0
Coating/cladding concentricity error	Um	≤ 12.5
Coating diameter	um	245 ± 10
bending,dependence attenuation	induced	1550nm, 1turns,32mm diameter 100rums,60mm diameter
Proof test	kpsi	≥ 100

### Form two multimode fiber

Item	Unit	Specification
Attenuation	dB/km	850 nm ≤ 3.5 1300 nm ≤ 1.5
Bandwidth	MHz • km	50/125um 62.5/125 um 850 nm ≥ 200 850 nm ≥ 160 1300 nm ≥ 200 1300 nm ≥ 200
Cladding diameter	um	125 ± 1.0
Cladding non-circularity	%	≤ 1.0
Coating/cladding concentricity error	Um	≤ 12.5
Coating diameter	um	245 ± 10
bending,dependence attenuation	induced	850nm,1300nm 100turns,75mm diameter ≤ 0.5 at 850 nm\1300 nm
Proof test	kpsi	≥ 100

## Each requirement

- 1- UV colored fiber
- 2- loose tube  
 $\Phi 2.15 \pm 0.10$  mm
- 3- central strength member  
 FRP+ cushion
- 4- Aramid yarn
- 5- Out jacket: PE

## Application

Model	Fiber account	OD (mm)	Tube account	Nominal Weight (kg/km)	Max. Tension (N)		Max. Crushing Resistance (N/100 )	
					Short-term	Long-term	Short-term	Long-term
GYFTY	2--60	9.8± 0.5	5	98	2200	700	1000	300
GYFTY	2--72	10.5± 0.5	6	116	2700	900	1000	300
GYFTY	74--96	12.0± 0.5	8	146	3000	1000	1000	300
GYFTY	98--120	13.2± 0.5	8	166	3000	1000	1000	300
GYFTY	122--144	15.0± 0.5	12	196	3000	1000	1000	300

The true weight of optical cable may had some tolerance with the above stated value.

Tactic rule for loose tube and fiber

Fiber Account	Number of Loose Tube											
	1 Red	2 Green	3 Nature	4 Nature	5 Nature	6 Nature	7 Nature	8 Nature	9 Nature	10 Nature	11 Nature	12 Nature
2--12	Filler	Filler	Filler	Filler	Tube	/	/	/	/	/	/	/
14--24	Filler	Filler	Filler	Tube	Tube	/	/	/	/	/	/	/
26--36	Filler	Filler	Tube	Tube	Tube	/	/	/	/	/	/	/
38--48	Filler	Tube	Tube	Tube	Tube	/	/	/	/	/	/	/
50--60	Tube	Tube	Tube	Tube	Tube	/	/	/	/	/	/	/
62--72	Tube	Tube	Tube	Tube	Tube	Tube	/	/	/	/	/	/
74--84	Filler	Tube	Tube	Tube	Tube	Tube	Tube	Tube	/	/	/	/
86--96	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	/	/	/	/
98--108	Filler	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	/	/
110--120	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	/	/
122--132	Filler	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube
134--144	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube	Tube

Temperature range  
 Storage or transportation: -40~70°C  
 Operation: -40~70 °C

Package and shipping mark

Printing at outjacket of optical cable

White color printing words at each meter distance, standard printing content as following ,also can match the customer require for the printing content  
 Meter mark

Style of optical cable and fiber account  
 Manufacturer name  
 Manufacture date

## Package of optical cable

Standard length is 1KM ,other length can negotiate Can be packed in wooden drum or plywood drum

Wooden drum

Label will be sticked at wooden drum, content as following

- ◆ Style of optical cable and fiber account
- ◆ Length
- ◆ Gross weight KGS
- ◆ Total drums amount
- ◆ Manufacture date

## Description

