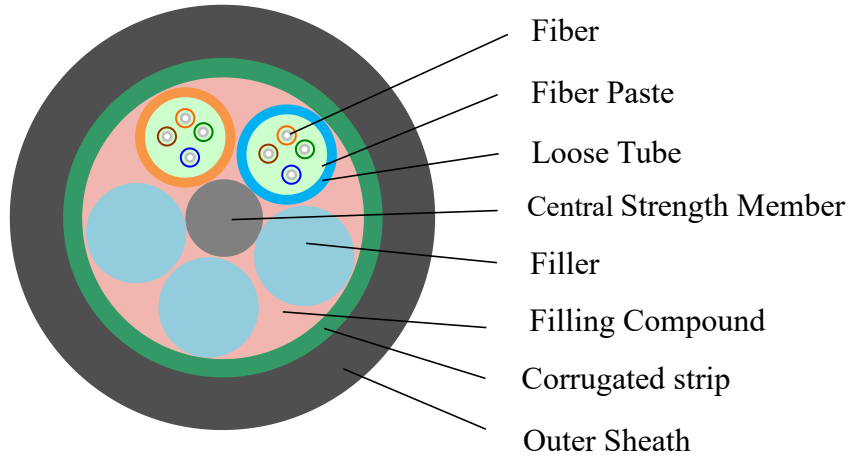


# Product Specification

## For Optical Fiber Cable GYTS

### 1. Optical Fiber Cable Features

#### 1.1 Structure:



#### Applications:

Mainly adopted to the duct, on-messenger aerial, cable trench.

#### 1.2 Cable parameters

Items		Specifications
Fiber Count		4-192
Fiber Type		G.652D
Colored Coating Fiber	Dimension	250 $\mu$ m $\pm$ 15 $\mu$ m
	Color	Blue、 Orange、 Green、 Brown、 Gray、 White 、 Red、 Black、 Yellow、 Purple、 Pink、 Aqua
Loose Tube	Dimension	(1.7-2.0) $\pm$ 0.1mm
	Material	PBT
	Color	Blue、 Orange、 Green、 Brown、 Gray、 White 、 Red、 Black、 Yellow、 Purple、 Pink、 Aqua
Filler(If needed)	Dimension	(1.7-2.0) $\pm$ 0.1mm
	Material	PP
	Color	Natural
Central Strength Member	Material	Steel Wire+PE(If needed)
Outer Sheath	Dimension	(9.2 $\pm$ 0.3)mm(4-24F)
		(9.7 $\pm$ 0.3)mm(36F)
		(10.1 $\pm$ 0.5)mm(48F)
		(10.6 $\pm$ 0.5)mm(72F)
		(12.1 $\pm$ 0.5)mm(96F)
		(13.4 $\pm$ 0.5)mm(120F)

		(14.7±0.5)mm(144F)
		(14.5±0.5)mm(192F)
	Material	PE
	Color	Black
Fiber Attenuation Coefficient in Cable	dB/km(1310nm)	≤0.36dB/km
	dB/km(1550nm)	≤0.22dB/km

Color-coding of the fiber will be clear, and not fade under the influence of the temperature of working and installation environment.

### 1.3 Mechanical and physical characteristic of the cable

No.	Characteristics	Parameter value	
1	Tensile Strength	Short Term	1000N
		Long Term	500N
2	Crush Resistance Strength (N/100mm)	Short Term	1000N
		Long Term	300N
3	Min. Bending Radius (mm)	Dynamic	20D
		Static	10D
4	Temperature Range	-40~+60°C	

## 2. Cable Marking

Unless otherwise required the sheath will be marked at intervals of 1m, containing:

- (a) Indication in meters
- (b) Quantity and type of fibers
- (c) Factory name
- (d) Date of manufacturing (year)
- (e) Other requirements

The marks will be permanent and legible for the duration of the cable life.

## 3. Packaging & Delivery

All cables will be delivered on drums with protection of both ends of the cable. Each drum will have a waterproof mark according to requirements.

Normal cable length: 2~3 km, or as per the customer's requirements

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