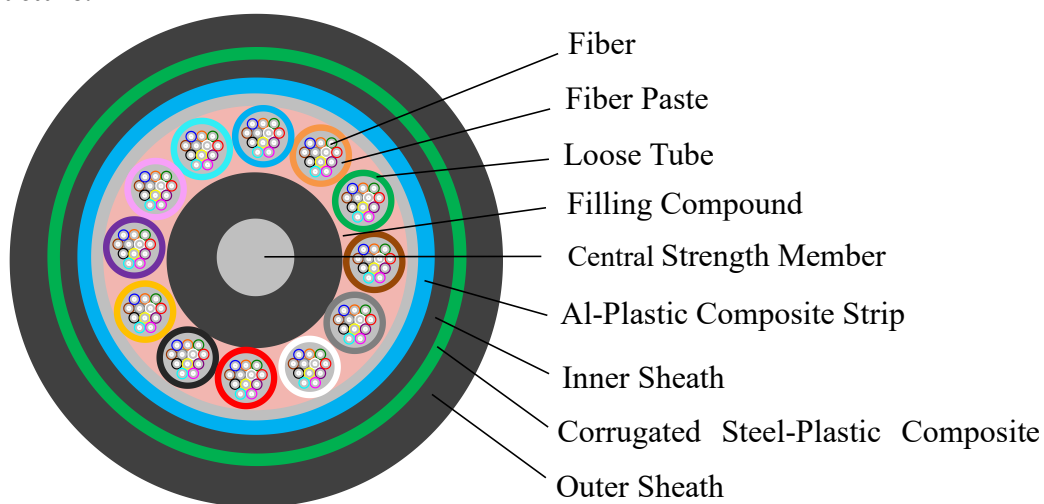


# Product Specification

## For Optical Fiber Cable GYTA53

### 1. Optical Fiber Cable Features

#### 1.1 Structure:



#### Applications:

Mainly adopted to direct buried ,duct and cable trench.

#### 1.2 Cable Parameters

Items		Specifications
Fiber Count		2-144
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	Dimension	1.4mm(2-24F)
		1.7mm(36F)
		1.5mm(48/60F)
		2.0mm(72F)
		2.0/3.2mm(96F)

		2.0/4.5mm(120F)
		2.0/5.7mm(144F)
	Material	Steel+PE(If needed)
Inner Jacket	Dimension	8.0±0.3mm(2-24F)
		8.2±0.3mm(25-36F)
		8.6mm±0.3mm(48-60F)
		9.1mm±0.3mm(61-72F)
		10.3mm±0.4mm(73-96F)
		11.6mm±0.4mm(97-120F)
	12.8mm±0.5mm(121-144F)	
Material	PE	
Color	Black	
Outer Jacket	Dimension	12.9±0.5mm(2-24F)
		13.1±0.5mm(25-36F)
		13.5mm±0.5mm(48-60F)
		14.0mm±0.5mm(61-72F)
		15.2mm±0.5mm(73-96F)
		16.5mm±0.5mm(97-120F)
	17.7mm±0.5mm(121-144F)	
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.

### 2.3 Mechanical and physical of the cable

No.	Characteristics		Parameter value
1	Tensile Strength	Short Term	1500N
		Long Term	600N
2	Crush Resistance Strength (N/100mm)	Short Term	3000N
		Long Term	1000N
3	Min. Bending Radius (mm)	Dynamic	25D
		Static	15D
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