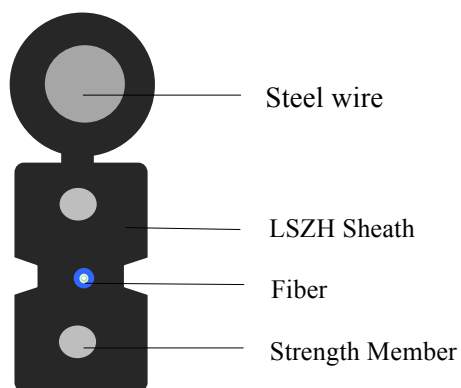


# Product Specification

## For FTTH Optical Fiber Cable

### 1. Optical Fiber Cable Features

#### 1.1 Structure:



GJYXFCH

#### Applications:

Indoor cable distribution

Adopted to core network, access network and fiber to home

#### 1.2 .1 Fiber color code

No.	1
Color	Blue

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

#### 1.2.2 Construction of GJYXFCH

Item		Description
Cable Diameter		$(2.0 \pm 0.1) \times (5.1 \pm 0.2)$ mm
Approx. Cable Diameter		$(2.0 \times 3.0) \pm 0.1$ mm
Approx. GFRP Sheath Outer Diameter		$2.0 \pm 0.1$ mm
Approx. Cable Net Weight		18.5kg/km
Strength Member	Material	GFRP
	Outer Diameter	$0.5 \pm 0.01$ mm
Steel Wire	Material	Phosphating Steel Wire
	Diameter	$1.0 \pm 0.02$ mm
Optical Fiber	Type	ITU-T G .657A1
	Numbers	1

LSZH Sheath of Cable	Material	LSZH
Fiber Attenuation coefficient in Cable	dB/km(1310nm)	≤0.4dB/km
	dB/km(1550nm)	≤0.3dB/km

### 1.3 Mechanical and physical characteristics of the cable

Cable Type	Tensile Strength (N)		Crush Resistance Strength (N/100mm)		Min. Bending Radius (mm)	
	Short Term	Long Term	Short Term	Long Term	Dynamic	Static
GJYXFCH	600	300	1000	300	20H	10H
Span	50m					
Operation Temperature:-40°C~+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: 1 km, or as per the customer's requirements

Production duration: 20 working days