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# Optical Fiber Cable Technical Specification

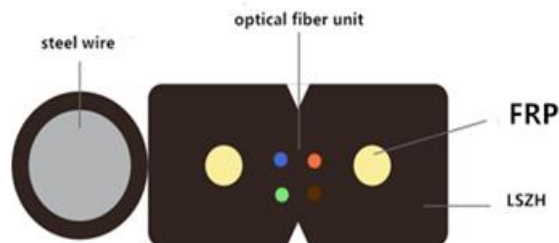
## FTTH Drop Cable GJYXFCH-4B6

### 1. Optical Cable

#### 1.1 Technical Characteristics

- 2 Parallel FRP members ensure a good performance of crush resistance to protect the fibers.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- Simple structure, light weight and high practicability.
- Low smoke, zero halogen and flame retardant sheath.

#### 1.2 Cross Section of Cable





### 1.3 Dimensions and Descriptions

The standard structure of GJYXFCH FTTH drop cable is shown in the following table, other structure and fibre count are also available according to customer requirements.

	STRUCTURE PARAMETER		
	Name	Nos	SIZE
Load-bearing strength member	Phosphating steel wire	1	1.0mm
Cable strength member	FRP	2	0.5mm
Outer sheath material			LSZH
Diameter of cable			(2.0±0.1) x (5.1±0.1) mm
Fiber type and colour	G657A1 Blue, Orange, Green, Brown		

MIN bending radius	operation	30D
	Using	15D
Available Tensile strength	Long term	600N
	short term	300N
Available crush strength	Long /Short term	2200N/100mm

Optical characteristics after cable finished			Standard Value
	Attenuation	1310nm	≤0.36dB/km
		1550nm	≤0.22dB/km
Cut-off wavelength		≤1260nm	

Environment characteristics	Storage temperature	-40°C~+70°C
	Operating temperature	-30°C~+60°C



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### **Packaging and Drum**

#### **1. Cable Sheath Marking**

Unless otherwise specified, the cable sheath marking shall be as follows:

Color: white

Contents: Brand, the year of manufacture, the type of cable, cable number, length marking Interval:

1±0.2% m

Outer sheath marking legend can be changed according to user's requests.

#### **2. Reel Length**

Standard reel length: 1/km/reel, other length is also available.

#### **3. Cable Drum**

The cables are packed in plywood drums.

#### **4. Cable Packing**

Both ends of the cable will be sealed with suitable plastic caps to prevent the entry of moisture during shipping, handling and storage. The inner end is available for testing.