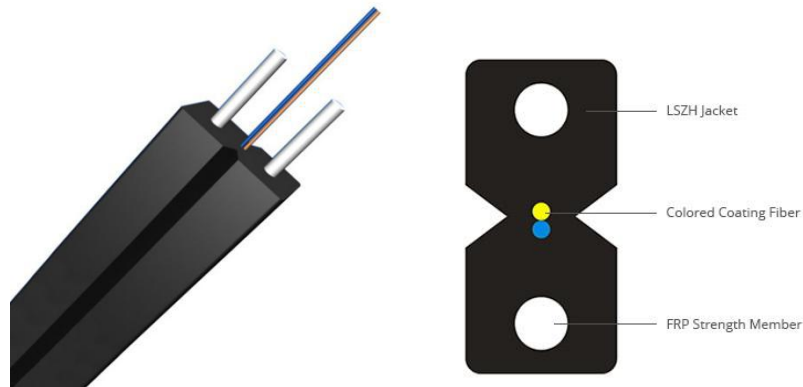


# FTTH Butterfly Drop Cable(GJXFH)

## 1、 Cable Drawing



## 2、 Description

(GJXFH) FTTH butterfly drop cable, the optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then the cable is completed with a black or color LSZH sheath.

## 3、 Features

- Weight, low cost, and practicability.
- Suitable for limited space field of the branch, indoor series
- Laid to facilitate construction operations; part and the cable
- Jacket use low smoke, halogen-free flame-retardant materials.
- Prevent lightning and strong electric environment;
- FRP or KFRP strengthen the component materials

## 4、 Application

- Adopted to indoor distribution.
- As pigtail of communication equipment
- Suitable for communication equipment
- Can be installed conveniently

## 5. Specification

### 1) Fiber Allocation Scheme

Fiber number	Tube number	Fiber per tube	Fiber type
1 ~ 2	----	----	Single mode

### 2) Cable construction details

Item		Description
Fiber Counts		1-2 cores
Strength Member	Material	FRP or Steel wire
	Dia (mm)	0.5
Colored Coating Fiber	Dia(μm)	250±15
	Color	Blue, Orange, Green, Brown
Outer Jacket	Material	LSZH (PVC or Customer required)
	Color	Black

### 3) Cable Mechanical characteristic

Item	Cable Dim (mm)	Weight (kg/km)	Allowable Tensile Strength(N)		Crush Load (N/100mm)	
			Long term	short term	Long term	short term
GJXFH-1 Xn	1.6×2.0(±0.1)	7.6	100	200	500	1000
GJXFH-2 Xn	3.0×2.0(±0.1)	11.5	100	200	500	1000
Min Bending Radius(mm)	Long term	10 H				
	Short term	20 H				
Temperature characteristic		Base on the working temperature range: Dwell time 8H / 2cycles. The variation on attenuation: SM≤0.5 dB/km; MM≤0.3 dB/km				
Hight temperature and humidity ability		≥500h, 85°C/85%RH, No damage to the sheath.				
Installation Temperature range		-10 ~ +50°C				
Operation and transport temperature		-20 ~ +60°C				

**NOTE : Xn indicates the selected fiber models**

**4) Requirement for Order**

- (1) Fiber sort: Single mode: G657
- (2) Fiber brand: YOFC, Corning, Fiberhome,Fujikura,OFS etc.
- (3) Jacket material: PVC、LSZH ( can be required).
- (4) The fiber and tube color: according to stranded color, can be required.
- (5) Length of cable: generally is 2KM, can be required.
- (6) Other requirement: can be negotiated.

**5) Fiber optical Characteristic (after cable)**

Fiber type	Attenuation				OFL bandwidth	Effective modal bandwidth	10 Gb/s Link Length
	1310/1550nm		850/1300nm				
Conditions	Typical	Maximum	Typical	Maximum	850/1300nm	850nm	850nm
Unit	dB/km	dB/km	dB/km	dB/km	MHz.km	MHz.km	m
G657A1	/	0.4/0.3	/	/	/	/	/
G657A2	/	0.4/0.3	/	/	/	/	/
G657B3	/	0.4/0.3	/	/	/	/	/

**Note: The above optical characteristics are after cable**

**6、 Cable marking and cable reel marking**

**6.1 Cable marking**

The cable sheath shall be marked with white characters at intervals of one meter with following information:

- (1) Purchaser’ s name
- (2) Cable type
- (3) Fiber type and counts
- (4) Year of manufacture
- (5) Length marking

**Notice: cable mark is available if requested by customer.**

**6.2 Cable reel**

Details given below shall be marked with a weather materials on both outer sides of the reel flange :

- (1) Cable type and fiber counts

- (2) Length of cable in meters
- (3) Year of manufacture



**Notice: shipping mark is available if requested by customer.**

## 7、 Packing Informations

- (1) Packing material: Wooden drum
- (2) Packing length: standard length of cable shall be 2 km. Other cable length is also available if required by customer

## 8、 Our certificates

- (1) ISO9002
- (2) SGS, ROHS
- (3) ULE329066
- (4) REACH

## 9、 Our advantages

- (1) Professional cable manufacturer
- (2) About 10 years experiences in cable industry
- (3) MOQ just 1Km
- (4) ISO, UL , ROSH,REACH...certifications
- (5) Can be customized production of fiber optic cable