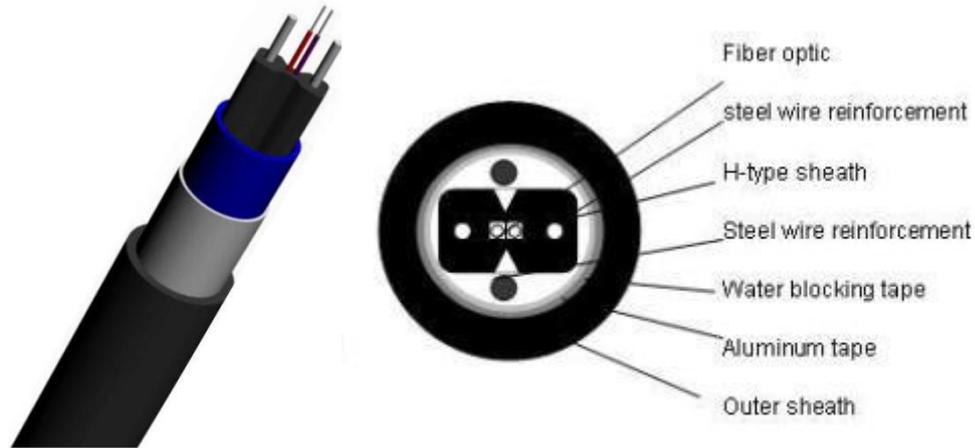


# Indoor/Outdoor Pipeline Butterfly Drop Cable(GJYXFHA)

## 1、 Cable Drawing



## 2、 Description

(GJYXFHA) Indoor/Outdoor pipeline butterfly drop cable , put single-mode fiber between two non-metallic strength member, extrude a layer of flame resistant PE as sheath, then apply two steel wires symmetrically at two sides, then a vertically wrap of water blocking tape, an Aluminum tape armor and a LSZH sheath.

## 3、 Features

- Suitable for limited space field of the branch, indoor series
- Laid to facilitate construction operations
- Jacket use low smoke, halogen-free flame-retardant materials.
- FRP or KFRP strengthen the component materials

## 4、 Application

- Can be installed conveniently
- Indoor and outdoor installation
- Pipeline access

## 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/Steel wire+ FRP/Steel wire
	Dia (mm)	0.7 (FRP) + 0.45 (Subunit, FRP)
Colored Coating Fiber	Dia(μm)	250±15
	Color	Blue, Orange
Inter Jacket	Dim(mm)	3.0×2.0 (±0.1)
	Material	LSZH (PVC or Customer required)
	Color	Black
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
GJYXFHA-1 Xn	7.2±0.3	42	300	600	1000	2200
GJYXFHA-2 Xn	7.2±0.3	42	300	600	1000	2200
Min Bending Radius(mm)	Long term	10 D				
	Short term	20 D				
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		850/1300nm	850nm	850nm
Conditions	Typical	Maximum	Typical	Maximum			
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