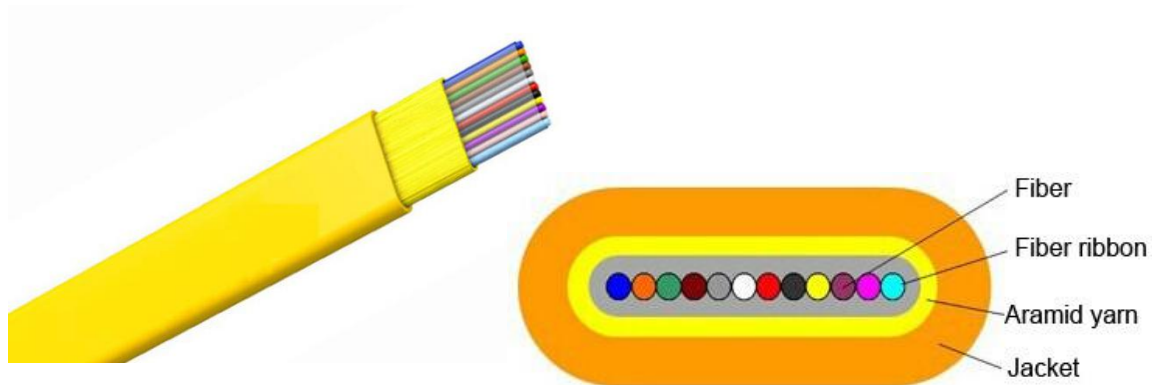


# Indoor Flat Fiber Ribbon Cable(GJDFJV)

## 1、 Cable Drawing



## 2、 Description

(GJDFJV) Indoor flat fibre ribbon cable, uses fibre ribbon as optical transmission medium, covered with aramid yarn as strength member, then extruded with a PVC sheath. Other sheath materials, like LSZH and TPU, are available on request.

## 3、 Features

- Good mechanical and environmental characteristics
- Flame retardant characteristics meet the requirements of relevant standards
- The mechanical characteristics of jacket meet the requirements of relevant standards
- Soft, flexible, easy to lay and splice, and with big capacity data transmission
- Meet various requirements of market and clients

## 4、 Application

- Multi optical fiber jumper, patch cord, pigtail cable
- Indoor any purpose cable distribution
- Backbone building distribution cabling
- Installation: wall, interlayer, pipe, trough, duct

## 5. Specification

### 1) Fiber Allocation Scheme

Fiber number	Tube number	Fiber per tube	Fiber type
4 ~ 12	----	----	Single mode or Multi mode

### 2) Cable construction details

Item		Description
Fiber Counts		4-12 cores
Strength Member	Material	Aramid yarn
	Color	Yellow
Coating fiber	Color	12 Colors
Outer Jacket	Material	PVC (LSZH or Customer required)
	Color	Yellow, Aqua or Orange
	Thickness(mm)	0.5±0.1 mm

### 3) Standard color of fiber and tube

The color code of the tubes and the individual fibers, shall be in accordance with the table as below:

Standard Colour Identification						
No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Slate	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

**Note: The color can be required by customers.**

### 4) Cable Mechanical characteristic

Item	Cable Size (mm)	Weight (kg/km)	Allowable Tensile Strength(N)		Crush Load (N/100mm)	
			Long term	short term	Long term	short term
GJDFJV-4 Xn	(2.5±0.2)X(3.7 ±0.4)	6.0	80	150	200	500

GJDFJV-6 Xn	(2.5±0.2)X(3.7±0.4)	6.6 kg/km	80	150	200	500
GJDFJV-8 Xn	(2.5±0.2)X(4.2±0.4)	8.5 kg/km	80	150	200	500
GJDFJV-12 Xn	(2.5±0.2)X(4.8±0.4)	8.8 kg/km	80	150	200	500
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	-5 ~ +50°C					
Operation and transport temperature	-10 ~ +60°C					

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

**5) Requirement for Order**

- (1) Fiber sort: Single mode:G652,G657, Multi mode:OM1,OM2,OM3,OM4.
- (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.

**6) 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
G652D	0.5/0.4	0.8/0.6	/	/	/	/	/
G657A1	0.5/0.4	0.8/0.6	/	/	/	/	/
G657A2	0.5/0.4	0.8/0.6	/	/	/	/	/

G657B3	0.5/0.4	0.8/0.6	/	/	/	/	/
62.5/125	/	/	3.5/1.0	3.5/1.5	≥160/500	/	/
50/125/ OM1	/	/	3.0/1.0	3.5/1.5	≥200/500	/	/
50/125/ OM2	/	/	3.0/1.0	3.5/1.5	≥500/500	/	/
OM3-150	/	/	3.0/1.0	3.5/1.5	≥700/500	≥950	150
OM3-300	/	/	2.5/0.8	3.5/1.5	≥1500/500	≥2000	300
OM4-550	/	/	2.5/0.8	3.5/1.5	≥3500/500	≥4700	550

**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

