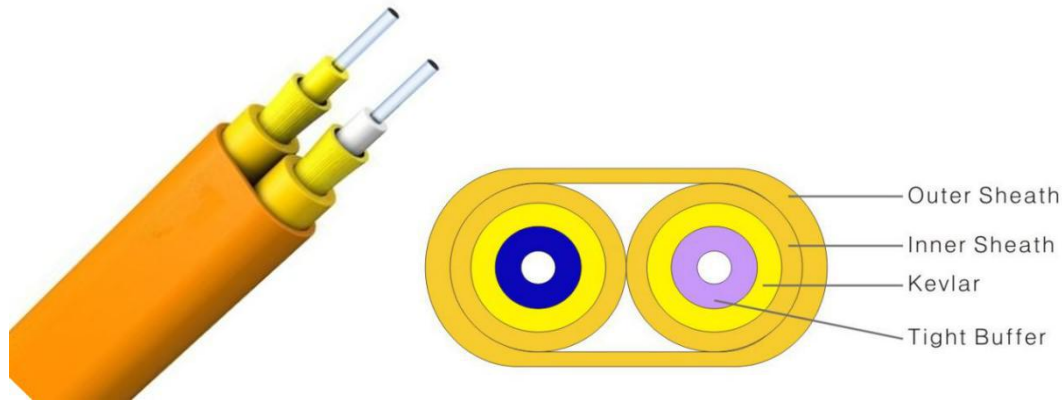


Indoor Duplex Flat Fiber Optic Cable(GJFJBV)

1、 Cable Drawing



2、 Description

(GJFJBV)Indoor duplex flat fiber optic cable, use 900 μ m or 600 μ m flame-retardant tight buffer fiber as optical communication medium. the tight buffer fiber wrapped with a layer of aramid yarn as strength member units,such unit is extruded with a layer of PVC or LSZH material as inner jacket. then the cable is completed with a layer of flat PVC or LSZH jacket as out sheath .

3、 Features

- Tight buffer fiber ease of stripping
- Tight buffer fiber have excellent flame-retardant performance
- Aramid yarn as strength member make cable have excellent tensile strength
- Flat structure ensure compact arrangement of fibers

4、 Application

- Data communication
- Fiber optic equipment and instrument
- Making jumper, pigtail and building distribution
- Duplex optical fiber flexible connection jumper or pigtail
- Indoor riser level and plenum level cabling

5、Specification

1) Fiber Allocation Scheme

Fiber number	Tube number	Fiber per tube	Fiber type
2	2	1	Single mode or Multi mode

2) Cable construction details

Items		Description
Fiber Counts		2 cores
Strength Member	Material	Aramid yarn
	Color	Yellow
Tight Buffer	Dia (mm)	0.6±0.05mm or 0.9±0.05mm
	Material	PVC (LSZH、Hytrell、PA or Customer required)
	Color	Yellow and White
Inner Jacket	Material	PVC (LSZH or Customer required)
	Color	Yellow, Aqua, Purple or Orange
	Thickness(mm)	≥0.20 (Φ1.6mm)
		≥0.30 (Φ2.0mm)
≥0.40 (Φ2.8mm)		
Outer Jacket	Material	PVC (LSZH or Customer required)
	Color	Yellow, Aqua, Purple or Orange
	Thickness(mm)	≥0.50

3) Cable Mechanical characteristic

Items	Cable Size (mm)	Weight (kg/km)	Allowable Tensile Strength(N)		Crush Load (N/100mm)	
			Long term	Short term	Long term	Short term
GJFJV Xn(2.0)	3.0×5.0 (±0.2)	17.5	100	200	100	500
	3.3×5.1 (±0.2)	18.5	100	200	100	500

GJFJV Xn(3.0)	3.8×6.6 (±0.2)	24.5	160	300	200	1000
	3.8×7.8 (±0.3)	29.5	160	300	200	1000
	4.0×8.1 (±0.3)	32	160	300	200	1000
Min Bending Radius(mm)	Long term	10H				
	Short term	20H				
Temperature characteristic		Base on the working temperature rang: 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		-20 ~ +60°C				

NOTE : Xn indicates the selected fiber models

4) 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.

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
G652D	0.5/0.4	0.6/0.5	/	/	/	/	/
G657A1	0.5/0.4	0.6/0.5	/	/	/	/	/
G657A2	0.4/0.3	0.5/0.4	/	/	/	/	/
G657B3	0.5/0.4	0.6/0.5	/	/	/	/	/

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	3.0/1.0	≥1500/500	≥2000	300
OM4-550	/	/	2.5/0.8	3.0/1.0	≥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

