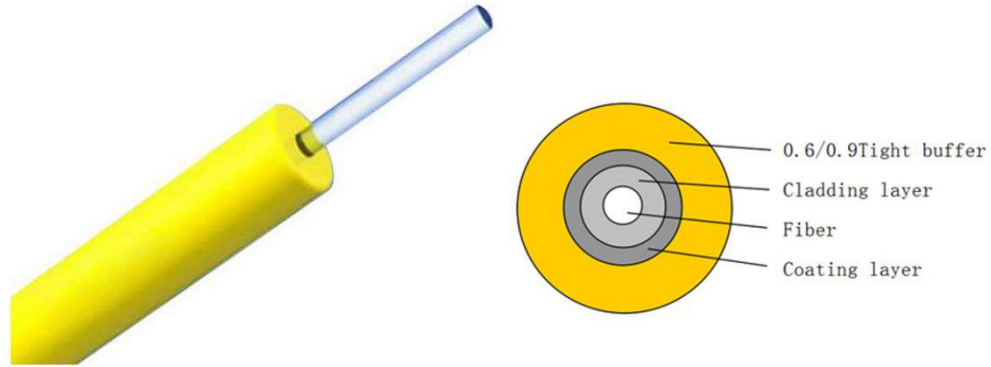


Tight Buffered Fiber Optical Cable (GJJV)

1、 Cable Drawing



2、 Description

(GJJV)Tight buffer fiber optical cable is produced as that fiber is sheathed by buffer material. The selection of top-quality fiber, the specific production equipment and the accurately designed die make the performance of product.

3、 Features

- Good uniformity of the outer diameter of tight buffer fiber and excellent strippability
- Good performance of flame-retardant
- Low induced attenuation within the operating temperature range
- Excellent geometrical dimension of the fiber

4、 Application

- Components for various indoor optical fiber cables
- Direct interconnection to standard connectors
- Pigtails and patch cords of communication equipment

5、 Specification

1) Fiber Allocation Scheme

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

2) Cable construction details

Items		Description
Fiber Counts		1 cores
Tight Buffer	Material	PVC (LSZH、HytreI、PA or Customer required)S
	Thickness(mm)	≥0.15、≥0.25、≥0.3
	Color	12 Colors

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
Color 13~24 will be marked with a black tracer.						
For black color no need marked black tracer, will use nature color instead						

Note: The color can be required by customers.

4) Cable Mechanical characteristic

Items	Cable Dia (mm)	Weight (kg/km)	Allowable Tensile Strength(N)		Crush Load (N/100mm)	
			Long term	Short term	Long term	Short term
GJJV Xn	0.6±0.05	0.7	3	6	100N/100mm/1min, No broken to the fiber , No damage to the sheath	
	0.8±0.05	0.8	3	6		
	0.9±0.05	0.9	60	100		
Min Bending Radius(mm)	Long term	10D				
	Short term	20D				
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	≥200h, 85°C/85%RH					
Shrinkage	LSZH、PVC: ≤5%; HytreI、PA: ≤1%; Special on request: ≤0.5%					

Cable Coiling	60mm/2N/ 6circles /3 times, No broken to the fiber, 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

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	0.6/0.5	/	/	/	/	/
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

