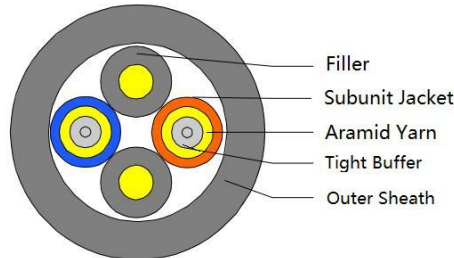


# Radio frequency(RF) remote unit Cable(GJYFJH)

## 1、 Cable Drawing



## 2、 Description

(GJYFJH) Radio frequency(RF) remote unit(common name: pull back type cable ), after placing a layer of aramid yarn outside the tight fiber, extruding a layer of sheath to form a sub-cable, and stranding the sub-cable with the reinforcing filling rope to extrude a layer of low-smoke halogen-free flame retardant material (LSZH) sheath is cabled. The reinforcement material can also be replaced with other high-strength fiber materials or other agreed sheath materials according to user requirements.

## 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

- Data communication
- Mainly used in wireless base station horizontal and vertical cabling
- Wiring for BBU and RRU inside the mobile communication base station

## 5、Specification

### 1) Fiber Allocation Scheme

Fiber number	Tube number	Fiber per tube	Fiber type
4	4	1	single mode

### 2) Cable construction details

Items		Description
Fiber Counts		4 cores
Outer Jacket	Material	LSZH( TPU or Customer required)
	Color	Black
Subunit		
Strength Member	Material	Aramid yarn
	Color	Yellow
Tight Buffer	Dia (mm)	0.6±0.05
	Material	PVC (LSZH、 Hytel、 PA or Customer required)
Inner Jacket	Dia (mm)	2.0±0.1
	Material	PVC (LSZH、 Hytel、 PA or Customer required)
	Color	Blue, Orange, Green, Brown

### 3) 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
GJYFJH-1 Xn	7.0±0.5	42.3	200	400	500	1000
GJYFJH-2 Xn	7.0±0.5	46	200	400	500	1000
GJYFJH-4 Xn	7.0±0.5	48	200	400	500	1000
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
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**

**4) Requirement for Order**

- (1) Single mode: G652,G655,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) 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	0.8/0.6	/	/	/	G657A1	0.4/0.3
G657A2	0.4/0.3	0.8/0.6	/	/	/	G657A2	0.4/0.3
G657B3	0.4/0.3	0.8/0.6	/	/	/	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