



1、Description

FTTH indoor butterfly drop cable (GJXFH), the optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then the cable is completed with a black or color LSZH sheath.

2、Features

- Weight, low cost, and practicability.
- Suitable for limited space field of the branch, indoor series
- Laid to facilitate construction operations; part and the cable
- Jacket use low smoke, halogen-free flame-retardant materials.
- Prevent lightning and strong electric environment;
- FRP or KFRP strengthen the component materials

3、Specification

Fiber Parameters

No.	Items		Unit	Specification		
				G.652D	G655	G657
1	Mode Field Diameter	1310nm	μm	9.2±0.4	9.0±0.4	9.8±0.4
		1550nm	μm	10.4±0.8	10.1±0.5	9.8±0.5
2	Cladding Diameter		μm	125.0±0.1	124.8±0.1	124.8±0.1
3	Cladding Non-Circularity		%	≤1.0	≤0.7	≤0.7
4	Core-Cladding Concentricity Error		μm	≤0.6	≤0.5	≤0.5
5	Coating Diameter		μm	242±7	242±7	242±7
6	Coating Non-Circularity		%	≤6.0	≤6.0	≤6.0

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7	Cladding-Coating Concentricity Error	μm	≤ 12.0	≤ 12.0	≤ 12.0
8	Cable Cutoff Wavelength	nm	$\lambda_{cc} \leq 1260$
9	Attenuation (max.)	1310nm	dB/km	≤ 0.36	≤ 3.5
		1550nm	dB/km	≤ 0.23	≤ 0.21

Cable Parameters

Items		Specifications
Fiber Count		1-4
Colored Coating Fiber	Dimension	$250 \pm 15 \mu\text{m}$
	Color	Blue, Orange, Green, Brown
Strength Member	Dimension	0.45mm
	Material	FRP
Jacket	Dimension	$3.0 \pm 0.1 \text{mm} \times 2.0 \pm 0.1 \text{mm}$
	Material	LSZH
	Color	Black

Mechanical and Environmental Characteristics

Items	Unit	Specifications
Tension (Long Term)	N	40
Tension (Short Term)	N	80
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	$^{\circ}\text{C}$	-20 ~ +60
Operating Temperature	$^{\circ}\text{C}$	-40 ~ +70
Storage Temperature	$^{\circ}\text{C}$	-40 ~ +70

4. Application

- Adopted to indoor distribution.

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- As pigtail of communication equipment
- Suitable for communication equipment
- Can be installed conveniently

