



1、Description

FTTH pipeline butterfly drop cable (GJYPFH) , put single-mode or multi-mode fiber(s) between two non-metallic strength member, extrude a layer of flame resistant PE as sheath, then apply two steel wires symmetrically at two sides, then a vertically wrap of water blocking tape, an Aluminum tape armor and a LSZH sheath.

2、Features

- Suitable for limited space field of the branch, indoor series
- Laid to facilitate construction operations
- Jacket use low smoke, halogen-free flame-retardant materials.
- 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

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
Inner Strength Member	Dimension	0.45mm*2
	Material	FRP
Inner Jacket	Dimension	$3.0 \pm 0.1 \text{mm} \times 2.0 \pm 0.1 \text{mm}$
	Material	LSZH
	Color	Black
Strength Member	Dimension	0.70mm*2
	Material	Wire-Steel
Outer Jacket	Dimension	$6.4 \pm 0.2 \text{mm}$
	Material	LSZH
	Color	Black

Mechanical and Environmental Characteristics

Items	Unite	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

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Storage Temperature	°C	-40 ~ +70
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4、Application

- Can be installed conveniently
- indoor and outdoor installation
- pipeline access

