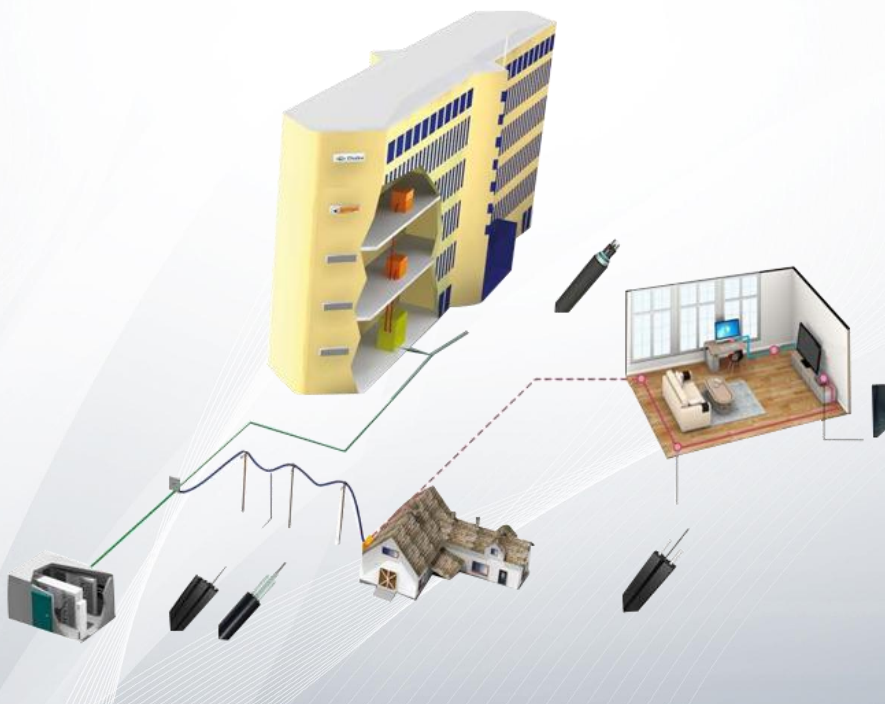


FTTH Fiber Optical Cable

FTTH Drop Cables are designed to connect the fiber access point to the ONT on the home in a FTTH network. It offers an efficient and economical solution for deploying fiber in FTTH network.



① FTTH Outdoor Aerial Cable

Central loose tube cables and self-supporting FTTH drop cables are designed for outdoor aerial distribution. With non-metal strength member, suitable for access network and local network in high electromagnetic interfering places.

② FTTH Duct Cable

Armored FTTH duct cables are made for connecting user's devices with outdoor feeder cable, especially suitable for duct installation. It features good waterproof and anti-rodents performance.

③ FTTH Indoor Cable

With simple installation, FTTH indoor cables can be directly connected to the homes. They are suitable for connecting communication equipments, and used as access building cables in premise distribution system.

FTTH Fiber Cable

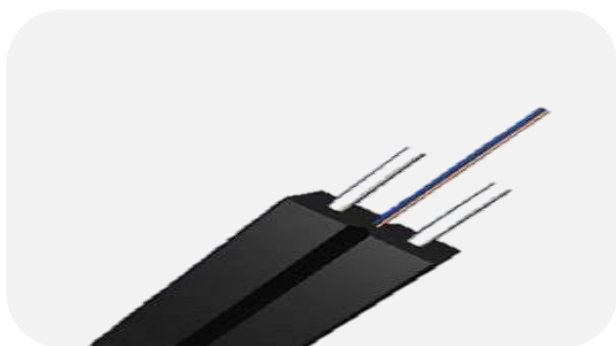
- Soft and flexible, good bending performance
- Easy to installation, handling and maintenance
- Good waterproof and flame retardant performance
- Specially used in the FTTH projects- indoor/outdoor installations

FTTH Fiber Cable

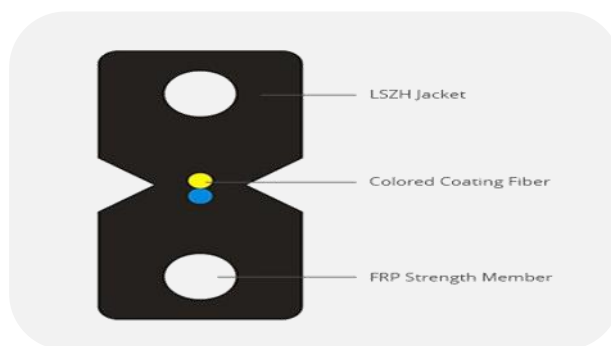
Butterfly Flat FTTH Drop Cable - GJXFH

GJXFH FTTH Indoor Drop Cable uses butterfly flat structure, whose optical fiber unit is positioned in the centre. Two parallel Fiber Reinforce Plastic (FRP) strength members are placed at the two sides. Then, the cable is completed with LSZH sheath. FTTH indoor cable has a much greater bandwidth to carry data and less susceptible to interference than common indoor fiber cables. FTTH cables are ideal for indoor cabling, end users directly cabling, and access network.

Butterfly Flat Drop Cable - GJXFH



Inner Structure - GJXFH



Features and Benefits

- Good waterproof performance
- Low smoke, zero halogen and flame retardant sheath
- Smaller diameter, simple structure, light weight, and high practicability
- FRP strength member ensures anti- electromagnetic and crush resistance
- Special low-bend-sensitivity fiber provides high bandwidth data transmission
- Novel flute design, easily strip and splice, simplify installation and maintenance

Application

- Used end users directly cabling
- Indoor cabling and distribution
- Access network, fiber to the home

Technical Specification

Parameter	Unit	Life Cycle	1F	2F
Minimum Tensile Strength	N	short term	200	200
		long term	100	100
Minimum Crush Load	N/100mm	short term	1000	1000
		long term	300	300
Minimum Bending Radius	MM	short term	20D	20D
		long term	10D	10D
Storage Temperature	°C	-40 to +85		

Optical Characteristic

Parameter	Unit	G.657A		50/125μm		62.5/125μm	
Attenuation	dB/km	1310nm	≤0.4	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.3	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz·km	-	-	850nm	≥600	850nm	≥200
	km	-	-	1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	-		0.200±0.015		0.275±0.015	
Cable Cut-off Wavelength	λ _{cc} (nm)	≤1260		-		-	

Order Information

FRP Strength Member, LSZH Butterfly Flat Indoor FTTH Drop Cable GJXFH

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)
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Singlemode 9/125 OS2

1F	GJXFH-SM-FRP-1FL	FRP	(2.0±0.2)×(3.0±0.2)	10
2F	GJXFH-SM-FRP-2FL	FRP	(2.0±0.2)×(3.0±0.2)	10

Metal Strength Member, LSZH Butterfly Flat Indoor FTTH Drop Cable GJXFH

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)
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Singlemode 9/125 OS2

1F	GJXFH-SM-MSM-1FL	Metal	(2.0±0.2)×(3.0±0.2)	10
2F	GJXFH-SM-MSM-2FL	Metal	(2.0±0.2)×(3.0±0.2)	10

KFRP Strength Member, LSZH Butterfly Flat Indoor FTTH Drop Cable GJXFH

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)
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Singlemode 9/125 OS2

1F	GJXFH-SM-KFRP-1FL	KFRP	(2.0±0.2)×(3.0±0.2)	10
2F	GJXFH-SM-KFRP-2FL	KFRP	(2.0±0.2)×(3.0±0.2)	10



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