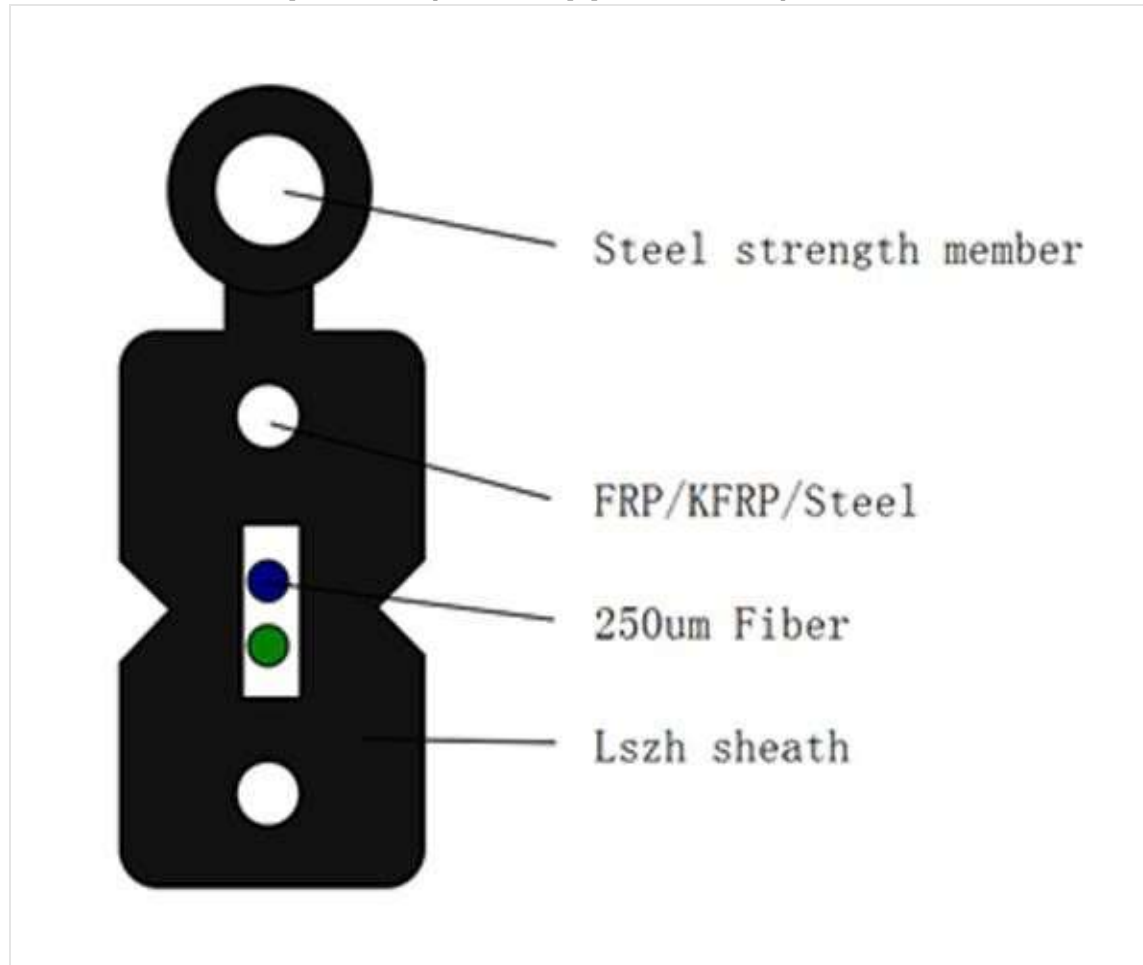


## Fiber to the home aerial drop cable(self support FTTH)



### Product Model: FTTH DROP CABLE

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## Technical Parameters

Number of fiber	1/2/4/6core	
strength member	Material	steel wire/FRP/KFRP
	diameter	2*0.45/0.5/0.5mm
Self support Messenger wire	Material	steel wire
	diameter	1.0mm/7*0.4mm
Outer sheath	material	LSZH
	diameter	1.8±0.2mm
Cable size (Height * width)	2.0(±0.1) mm × 5.0(±0.2)mm	
Cable sheath thickness	Max. 0.8mm/Min. 0.4mm	
Messenger sheath thickness	0.5~0.7mm	
Cable weight	1~2core	19/20KG/KM
	4 core	20/21KG/KM

## Cable Mechanical characteristic

Items	Description
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Installation Temperature range (°C)		-20+60
Operation and transport temperature (°C)		-40+70
Min Bending Radius(mm)	Long term	15D
Min Bending Radius(mm)	Short term	30D
Min allowable Tensile Strength(N)	Long term	400
Min allowable Tensile Strength(N)	Short term	660
Crush Load (N/100mm)	Long term	1000
Crush Load (N/100mm)	short term	2200

### Fiber characteristic

Fiber style	Unit	SM G652D	SM G657A1	SM G657A2
Condition	mm	1310/1550	1310/1490/1550	1310/1490/1550
Attenuation	dB/km	≤0.4/0.26	≤0.36/0.27/0.25	≤0.34/0.25/0.22

Dispersion(1285-1310nm)			$\leq 3,5 \text{ ps/nm.km}$	
Dispersion(1550nm)			$\leq 18 \text{ ps/nm.km}$	
PMD coefficient			$\leq 0,2 \text{ ps/km}^{1/2}$	
Cable Cut - off Wavelength- $\lambda_{cc}$			$\leq 1.260 \text{ nm}$	
Radius attenuation bending (With radius: 10mm; round number: 1)	dB		1550nm $\square$ 0.75dB; 1625nm $\square$ 1.5dB	
MFD at wavelength 1310nm			$8.6 \mu\text{m} \pm 0.6 \mu\text{m}$	
Mode Field Concentricity Error	$\mu\text{m}$		$\leq 0,5 \mu\text{m}$	
Cladding diameter	$\mu\text{m}$	$125 \pm 1.5 \mu\text{m}$	$125 \pm 0.7 \mu\text{m}$	$125 \pm 0.7 \mu\text{m}$
Cladding non-circularity	%	$\leq 1.5$	$\leq 0.5$	$\leq 0.5$
Coating diameter	$\mu\text{m}$	$242 \pm 7 \mu\text{m}$	$242 \pm 7 \mu\text{m}$	$242 \pm 7 \mu\text{m}$

### Package

1.Packing material: Inside Wooden drum,Outside cartoon box

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2.Packing length: standard length of cable shall be 2 km. Other cable length is also available

Cable marking and cable reel marking

The cable sheath shall be marked with white characters according to customer's requirement.

Characteristics

- Good mechanical and environmental characteristic
- Anti-UV characteristics meet the requirements of relevant standards
- The mechanical characteristics 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

Applications

- Adopted to outdoor level and vertical distribution.
- Suitable for connect with communication equipment.
- Long distance and local area network communication.