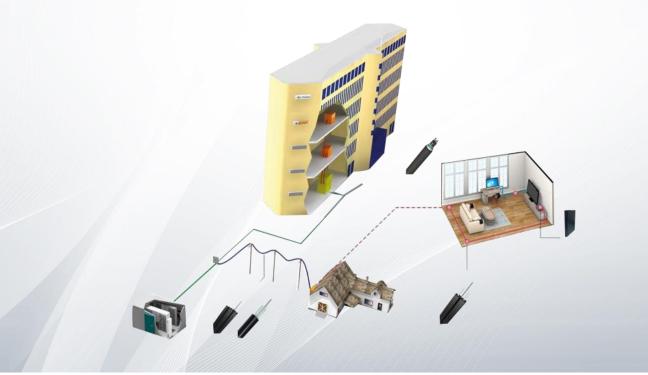
# FTTH Fiber Optical Cable

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 ② FTTH Duct Cable

Central loose tube cables and selfsupporting FTTH drop cables are desinged for outdoor aerial distribution. With non-metal strength member, suitable for access network and local network in high electromagnetic interfering places. Armored FTTH duct cables are made for connecting user's devices with outdoor feeder cable, especially suitable for duct installation. It features good waterproorf and antirodents 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

### Indoor FTTH Fiber Patch Cable



With easy accessibility to the fiber and simple installation, FTTH cable can be directly connected to the homes. It is suitable for connecting with communication equipment, and used as access building cable in premises distribution system. The optical fibers are positioned in the center of cable and two parallel strength members are placed at the two sides. The metal messenger wire is on the top of cable for aerial installation and outside of all is covered with the black LSZH sheath. Also, customers can specify your required connectors.

## **Features and Benefits**

- Good mechanical and environmental characteristic
- Simple structure, light weight and high practicability
- Simple structure, light weight and high practicability
- · Low smoke zero halogen and flame retardant sheath
- Novel flute design, easily strip and splice, simple installation and maintenancece
- Novel flute design, easily strip and splice, simple installation and maintenanceGood mechanical and environmental characteristic
- Novel flute design, easily strip and splice, simple installation and maintenance

### Application

- Access Networks
- LAN (Local Area Network)
- Fiber Optic Communication System
- FTTH (Fiber to The Home) Indoor Building
- Optical fiber connected and transmitted equipment

# **Technical Specification**

Parameter	Unit	Life Cycle	Simplex	Duplex	
Minimum Tensile Strength		short term	600	600	
	Ν	long term 300	300		
Minimum Crush Load	N/100mm	short term	2200	2200	
		long term	1100	1100	
Minimum Bending Radius		short term	20D	20D	
	MM	long term	15D	15D	
Storage Temperature	°C	-40 to +70			

# **Optical Characteristic**

Parameter	Unit	G.65	52	50/125 <sub>1</sub>	um	62.5/125µ	ım
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz·	-	-	850nm	≥600	850nm	≥200
	km	-	-	1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	-		0.200±0.	015	0.275±0.0	15

# **Order Information**

# FRP Strength Member Indoor FTTH Patch Cable

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)
		Singlemode 9/125 OS2		
Simplex	FTTH-SM-SX-FRP-LSZH	FRP	2.0x5.2	18
Duplex	FTTH-SM-DX-FRP-LSZH	FRP	2.0x5.2	18

# FRP Strength Member Indoor FTTH Patch Cable

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)
		Singlemode 9/125 OS2		
Simplex	FTTH-SM-SX-KFRP-LSZH	KFRP	2.0x5.2	18
Duplex	FTTH-SM-DX-KFRP-LSZH	KFRP	2.0x5.2	18

## FRP Strength Member Indoor FTTH Patch Cable

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)			
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