

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 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.

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

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
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- Low smoke zero halogen and flame retardant sheath
- Novel flute design, easily strip and splice, simple installation and maintenance
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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	N	short term	600	600
		long term	300	300
Minimum Crush Load	N/100mm	short term	2200	2200
		long term	1100	1100
Minimum Bending Radius	MM	short term	20D	20D
		long term	15D	15D
Storage Temperature	°C	-40 to +70		

Optical Characteristic

Parameter	Unit	G.652		50/125μm		62.5/125μm	
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz·km	-	-	850nm	≥600	850nm	≥200
		-	-	1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	-		0.200±0.015		0.275±0.015	

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

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