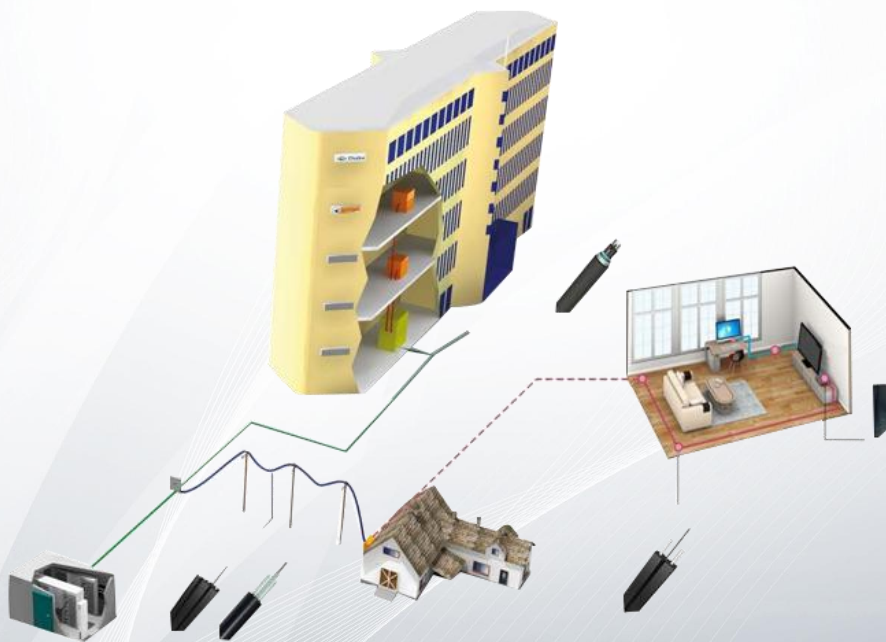


# FTTH Fiber Optical Cable

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

## FTTH Fiber Cable

### Single-Armored, Strength Member, LSZH Outdoor FTTH Drop Cable - GJFDC

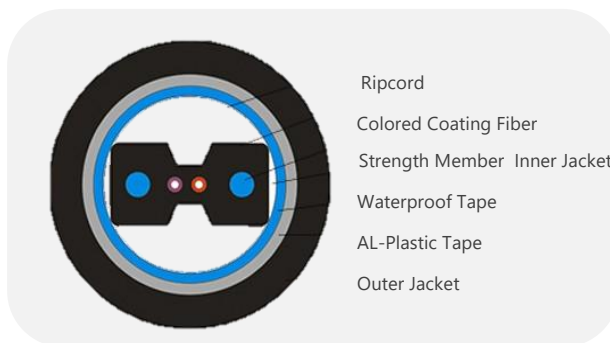
FTTH drop cables are made for connecting user's devices with outdoor feeder cable, especially suitable for duct installation. The optical fiber unit is located in the center.

The two parallel strength member improves the tensile strength. With the LSZH (LSZH, Low smoke, Zero halogen) material jacket, this cable has good flame retardant performance. Water blocking tape & AL-plastic tape provide good water proof ability.

FTTH Drop Cable - GJFDC



Inner Structure - GJFDC



## Features and Benefits

- FRP/Metal/KFRP strength member improves the tensile strength
- LSZH flame-retardant inner and outer jacket has good flame retardant performance
- Soft and flexible, good bending performance
- water-proof tape prevent the ingress of water into the cable
- AL- plastic tape makes the cable crush resistant and moisture proof

## Application

- Used in aerial and duct access cabling
- Suitable for the connection between indoor and outdoor
- Can be Installed in small bending environment

## Technical Specification

Parameter	Unit	Life Cycle	1F	2F
<b>Minimum Tensile Strength</b>	N	short term	60	60
		long term	30	30
<b>Minimum Crush Load</b>	N/100mm	short term	1000	1000
		long term	300	300
<b>Minimum Bending Radius</b>	MM	short term	30	30
		long term	15	15
<b>Storage Temperature</b>	°C	-40 to +60		

## Optical Characteristic

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

## Order Information

### Single-Armored, FRP Strength Member, LSZH Outdoor FTTH Drop Cable

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

**Singlemode 9/125 OS2**

1F	GJFDC-SM-FRP-1FL	FRP	7	52
2F	GJFDC-SM-FRP-2FL	FRP	7	52

### Single-Armored, Metal Strength Member, LSZH Outdoor FTTH Drop Cable

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

**Singlemode 9/125 OS2**

1F	GJFDC-SM-MSM-1FL	Metal	7	52
2F	GJFDC-SM-MSM-2FL	Metal	7	52

### Single-Armored, KFRP Strength Member, LSZH Outdoor FTTH Drop Cable

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

**Singlemode 9/125 OS2**

1F	GJFDC-SM-KFRP-1FL	KFRP	7	52
2F	GJFDC-SM-KFRP-2FL	KFRP	7	52



 <https://www.fs.com>



The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.