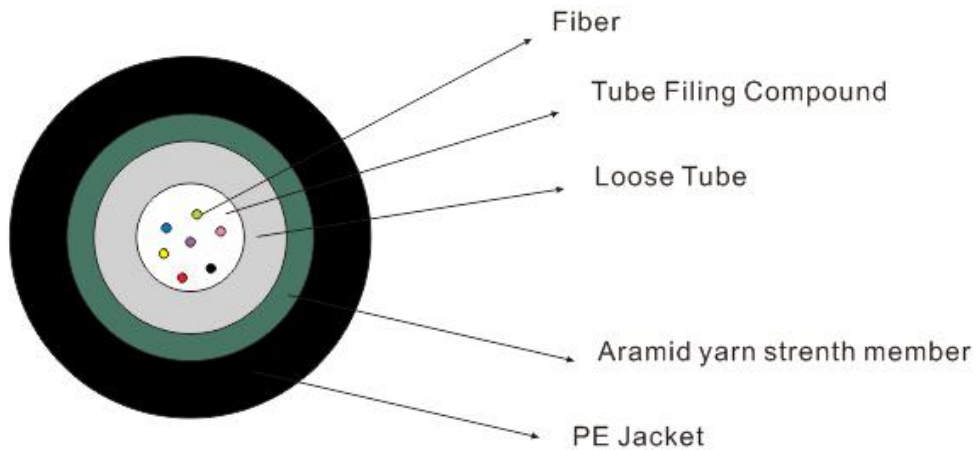


# Fiber Optic Accessories

## 2.5mm Duplex Optical Fiber Drop Cable

### Cable Structure



### Overview

The fibers are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling gel. A layer of aramid yarn is applied around the cable core as additional strength member. Then, the cable is completed with a black PE outer sheath.

The optical fiber is made of high pure silica and germanium doped silica. UV curable acrylate material is applied over fiber cladding as optical fiber primary protective coating. The detailed data of optical fiber performance are shown in the following table.

### Features

- Non-metal design can prevent the cable from radio interference and magnetic wave interference.
- Specially designed compact structure is good at preventing loose tubes from shrinking.
- Aramid yarn ensures good performance of tensile strength.
- Loose tube filling compound ensure good moisture resistance performance.
- Good flexibility
- High dense fiber packed, small diameter and light weight; it's the better option for lowering installation process.

Cable Type	Application
JET	Indoor / outdoor



## Technical Parameters

Physical	Fiber count	Duplex
	Loose tube	Unitube
	Loose tube diameter	1.6mm
	Cable diameter	2.5mm
	Cable weight	6KG/KM
	Operation temperature range	20deg C to + 60deg C
	Installation temperature range	20 deg C to + 60 deg C
	Transport and storage temperature range	-30deg C to + 70deg C
Mechanical	Crush resistance short term N	150
	Tensile strength short term N	500
	Bending radius / dynamic mm	30 x OD
	Bending radius / static mm	15 x OD

## Fiber

Mode field diameter	8.9 ± 0.4um @1310nm (G657A2)
Cladding diameter	125 ± 0.7um
Fiber diameter	242 ± 7um
Mode field concentricity error	0.8um @1310nm
Cladding non-circularity	<0.7%
Cable cut-off wavelength λ <sub>cc</sub>	<1260nm
Attenuation+20℃)	0.34dB/km max @1310nm
Zero dispersion wavelength	0.23dB/km max @1550nm

## Shipping Information

Each single length of cable shall be reeled on wooden Drum suitable for long-distance shipment.

Drum length can be customized.

Total quantity is at least the ordered quantity.



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