

FIBER OPTIC COMMUNICATION

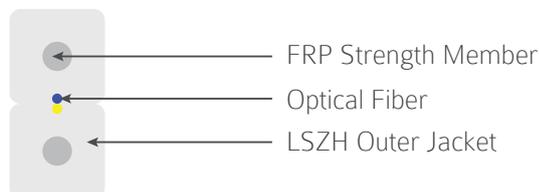
Fiber Optic Cable

2Core Indoor FTTH Drop Cable

FTTH2Core-SM-Indoor

2Core Singlemode Indoor FTTH Drop Cable

Cross Section



Description

2Core Indoor FTTH Drop Cable

FTTH indoor drop cable is constructed with two single mode fiber. The cable is protected by a dielectric strength member made of fiberglass reinforced plastic (FRP) and a LSZH outer jacket.

Ideal for use in FTTH & FTTx applications between the building's main telecommunications room and the apartment / office consolidation point.

- Robust and lightweight
- Colour coded fibers for easy identification
- LSZH jacket for internal use

Optical Characteristics

Cladding Diameter	μm	125 ± 0.7
Cladding Non-Circularity	%	< 1.0
Core Concentricity Error	μm	< 0.5
Mode Filed Diameter	μm	1310nm: (8.6 ~ 9.5 ± 0.4)
Cable Cutoff Wavelength	μm	< 1260
Attenuation Coefficients	dB/km	1310nm: (< 0.4) 1510nm: (< 0.3)
Macro Bending Loss	dB	10 turns, 30mm diameter (< 0.25) 1 turn, 20mm diameter (< 0.75)

Physical Characteristics (Overall)

Optical Fiber	2 Core
Color of Buffer	1-Blue / 2-Yellow
Core Diameter	250 ± 15μm
Mode	Single Mode
Strength Member	KFRP / FRP
Diameter	∅ 0.6 / 0.52 ± 0.05mm
Sheath	LSZH
Nominal Thickness	Minimum 0.4mm
Cable Construction	
Dimension	Max :3.0x2.0mm
Weight	Approx. 8kg/km

Sheath Feature of Optical Fiber Cable

Sheath tensile Strength before thermal aging	MPa	> 15
The change rate of sheath tensile strength before and after thermal aging	%	< 10
Sheath break elongation before thermal aging	%	> 170
Sheath break elongation after thermal aging	%	> 150
The change rate of sheath break elongation before and after thermal aging	%	< 20

Machanical Environmental

Temperature Range	-40°C ~ +60°C
Fire Performace	IEC 60332-1, IEC 60754-2, IEC 61034