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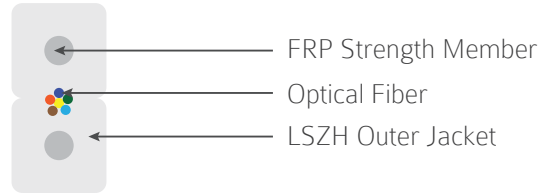FIBER OPTIC COMMUNICATION

Fiber Optic Cable

6Core Indoor FTTH Drop Cable

FTTH6Core-SM-Indoor

6Core Singlemode Indoor FTTH Drop Cable

Cross Section

- FRP Strength Member
- Optical Fiber
- LSZH Outer Jacket

Description

6Core 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 Charateristics

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	**6 Core**
Color of Buffer	
Core Diameter	250 ± 15µm
Mode	Single Mode
Strength Member	**KFRP / FRP**
Diameter	Ø 0.6 / 0.52 ± 0.05mm
Sheath	**LSZH**
Nominal Thickness	Minimum 0.4mm
Cable Construction	
Dimension	Max :3.0×2.0mm
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

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