

Description

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

Designed for outdoor installation the cable is well suited for connections between the dome closure and small dwelling unit / warehouse and independent villas.

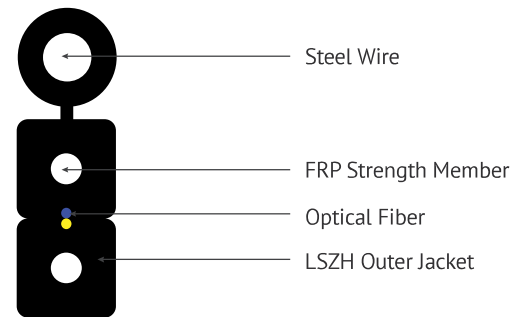


Features

- Robust and lightweight
- Colour coded fibers for easy identification
- LSZH jacket for internal use
- Steel wire support`

Physical Characteristics

Core Diameter	250 ± 15µm
Mode	Singlemode
Strength Member	KFRP / FRP
Diameter	Ø 0.6 / 0.52 ± 0.05mm
Strength Member 2	Steel Wire
Diameter	Ø 0.2 ± 0.05mm
Sheath	LSZH
Nominal Thickness	Minimum 0.4mm
Cable Construction	
Dimension	Max: 5.3×2.0mm ± 0.2mm
Weight	Approx. 20kg/km



Optical Characteristics

Cladding Diameter	µm	125 ± 0.7
Cladding Non-Circularity	%	< 1.0
Core Conncentricity Error	µm	< 0.5
Mode Filed Diameter	µm	1310nm: (8.6 ~ 9.5 ± 0.4)
Mode 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)

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

Physical Characteristics

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

Available Options

ODFD002SMB-Out	2 cores Singlemode outdoor FTTH fiber drop cable	SM, outdoor, 2 Cores
ODFD004SMB-Out	4 cores Singlemode outdoor FTTH fiber drop cable	SM, outdoor, 4 Cores