# ODFDSMW-In Series

## Singlemode Indoor FTTH Drop Cable (Type: G657A)

Description

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 or office consolidation point.
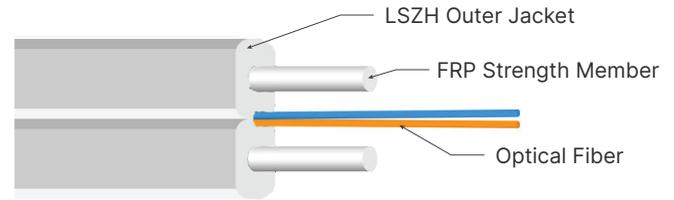
Features

- Robust and lightweight
- Colour coded fibers for easy identification
- LSZH jacket for indoor use
- Suitable for TM Unifi applications
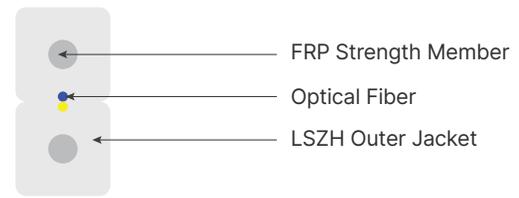
Physical Characteristics

Optical Fiber	2 core
Color of Buffer	1-Blue / 1-Yellow
Core Diameter	250 ± 15µm
Mode	Singlemode
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 ± 0.2mm
Weight	Approx. 8kg/km

Optical Charateristics

Cladding Diameter	µm	125 ± 0.7
Cladding Non-Circularity	%	< 1.0
Core Connentricity 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 Performace	IEC 60332-1, IEC 60754-2, IEC 61034

Available Options

ODFD001SMW-In	Singlemode indoor FTTH fiber drop cable	SM, indoor, 1 Core
ODFD002SMW-In	Singlemode indoor FTTH fiber drop cable	SM, indoor, 2 Cores
ODFD004SMW-In	Singlemode indoor FTTH fiber drop cable	SM, indoor, 4 Cores
ODFD006SMW-In	Singlemode indoor FTTH fiber drop cable	SM, indoor, 6 Cores