



Optical Fiber CABLE

TECHNICAL DATA SHEET

1 Core Single Mode Optical Fiber Drop Cable for Access Network (Indoor & Outdoor)

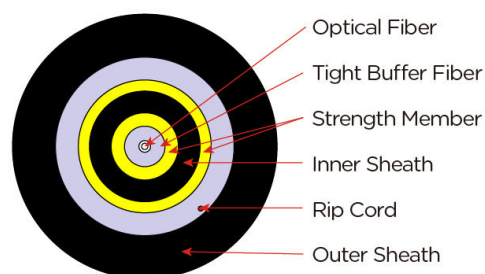


1 Core Single Mode Optical Fiber Drop Cable for Access Network (Indoor & Outdoor)

Product Description:

Description

The 1 Core Single Mode Optical Fiber Drop Cable for Access Network is a compact and lightweight fiber optic cable designed for indoor and outdoor FTTH access networks. It provides a reliable optical connection between the distribution point and the subscriber premises, with a simple construction that allows easy installation, routing, stripping, and termination.



Features

- 1 Core Single-Mode Fiber
- Suitable for indoor and outdoor installation
- Compact and lightweight design
- Easy to install, strip, and terminate
- Excellent flexibility and bending performance
- Low optical attenuation
- Good mechanical protection
- Suitable for vertical and horizontal routing
- UV-resistant outer sheath for outdoor applications



- Water-resistant construction
- Suitable for FTTH and FTTx networks
- Ideal for last-mile subscriber connections
- Supports reliable high-speed optical transmission

Applications

- **FTTH** – Fiber-to-the-Home networks
- **FTTx** – Fiber access networks
- **Access Networks** – Subscriber connections
- **Last-Mile Networks** – Connection to end users
- **Indoor Cabling** – Building and premises installation
- **Outdoor Cabling** – Aerial and outdoor access installation

General Specifications

Parameter	Specification
Product Name	1 Core Single Mode Optical Fiber Drop Cable
Fiber Count	1 FO
Fiber Type	Single-Mode
Application	Access Network
Installation	Indoor & Outdoor

Cable Type	Fiber Optic Drop Cable
Cable Construction	Compact / Lightweight
Strength Member	FRP
Outer Sheath	LSZH / PE
Sheath Color	Black
Application Network	FTTH / FTTx

Cable Construction

Component	Specification
Optical Fiber	Single-Mode
Fiber Coating	250 μm
Strength Member	FRP
Water Protection	Water-resistant material
Outer Sheath	LSZH / PE
Outer Sheath Color	Black
Cable Shape	Compact Drop Cable

Optical Fiber Characteristics

Parameter	Specification
Fiber Type	G.657.A1 / G.652.D
Core / Cladding	9/125 μm
Operating Wavelength	1310 / 1550 nm
Typical Attenuation @1310 nm	≤ 0.35 dB/km
Typical Attenuation @1550 nm	≤ 0.21 dB/km
Maximum Attenuation @1310 nm	≤ 0.40 dB/km
Maximum Attenuation @1550 nm	≤ 0.30 dB/km
Cladding Diameter	125 ± 1.0 μm
Coating Diameter	245 ± 10 μm
Cable Cut-off Wavelength	≤ 1260 nm

Environmental Characteristics

Parameter	Specification
Operating Temperature	-40°C to +70°C
Installation Temperature	-20°C to +60°C
Storage Temperature	-40°C to +70°C
UV Resistance	Yes
Water Resistance	Yes
Indoor Application	Yes
Outdoor Application	Yes