

Optical Fiber CABLE

TECHNICAL DATA SHEET

**GYXFTY 1 Core Access Network
Indoor and Outdoor Optical Flat Drop
Cable**



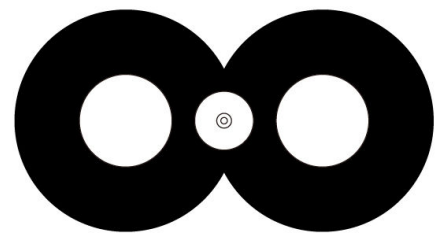
Unitex Fiber

1 Core Access Network Indoor and Outdoor **Optical Flat Drop Cable**

Product Description:

Description

The GYXFTY 1 Core Access Network Indoor and Outdoor Optical Flat Drop Cable is a compact and lightweight fiber optic cable designed for FTTH access networks and suitable for both indoor and outdoor installations. Its flat, flexible construction facilitates easy routing, installation, and termination in access and last-mile applications. The cable provides reliable optical transmission and mechanical protection for subscriber connections.



Features

- 1 optical fiber
- Single-mode optical fiber
- Flat and compact construction
- Lightweight and flexible
- Suitable for indoor and outdoor installation
- Easy to install, strip, and terminate
- Good bending performance



- High mechanical protection
- Water-resistant construction
- UV-resistant outer sheath
- Suitable for FTTH and FTTx access networks
- Ideal for last-mile subscriber connections
- Compact design for limited installation spaces

Applications

- **FTTH** – Fiber-to-the-Home networks
- **FTTx** – Fiber access networks
- **Access Networks** – Subscriber connections
- **Last-Mile Networks** – Residential and commercial connections
- **Indoor Installation** – Building and premises cabling
- **Outdoor Installation** – Aerial and access network deployment

General Specifications

Parameter	Specification
Product Name	Access Network Indoor and Outdoor Optical Flat Drop Cable
Model / Part No.	GYXFTY
Fiber Count	1 FO
Fiber Type	Single-Mode
Cable Type	Flat Drop Cable
Installation	Indoor / Outdoor
Application	FTTH / FTTx
Cable Structure	Flat
Strength Member	FRP
Outer Sheath	PE
Sheath Color	Black
Cable Construction	Compact / Lightweight

Cable Construction

Component	Specification
Optical Fiber	Single-Mode Fiber
Fiber Coating	250 μm

Fiber Protection	Fiber Unit / Loose Tube
Strength Member	FRP
Water Protection	Water-Blocking Material
Outer Sheath	PE
Outer Sheath Color	Black
Cable Shape	Flat

Optical Fiber Characteristics

Parameter	Specification
Fiber Type	G.652.D / G.657
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

 $\leq 1260 \text{ nm}$ **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
Outdoor Application	Yes
Indoor Application	Yes