



Optical Fiber CABLE

TECHNICAL DATA SHEET

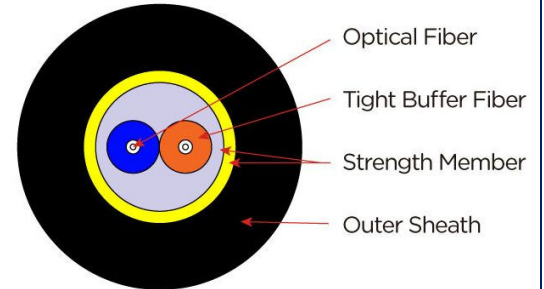
Outdoor Breakout FTTA Fiber Optic
Cable GYFJZY-2FO



Outdoor Breakout FTTA Fiber Optic Cable GYFJZY-2FO

Product Description:

The GYFJZY-2FO Outdoor Breakout FTTA Fiber Optic Cable is a rugged outdoor fiber optic cable designed for Fiber-to-the-Antenna (FTTA) and wireless base station applications. Its breakout construction provides individual fiber protection and flexibility, making the cable suitable for routing between baseband units, remote radio units, antennas, and outdoor telecommunications equipment.



Features

- Breakout construction for individual fiber protection
- High flexibility and easy routing
- High tensile strength
- Good resistance to bending and mechanical stress
- UV-resistant outdoor sheath
- Excellent environmental resistance
- Moisture-resistant construction
- Suitable for tower and antenna installations
- Reliable optical performance in demanding outdoor environments
- Easy termination and connectorization

Applications

- FTTA – Fiber-to-the-Antenna
- 4G / 5G Base Stations
- RRU-to-BBU Connections
- Remote Radio Units
- Wireless Communication Networks
- Antenna Systems
- Outdoor Telecom Equipment
- Mobile Communication Infrastructure

General Specifications

Parameter	Specification
Product Name	Outdoor Breakout FTTA Fiber Optic Cable
Model / Part No.	GYFJZY-2FO
Fiber Count	2 FO
Fiber Type	Single-Mode
Cable Type	Breakout FTTA Cable
Application	FTTA / Base Station
Installation	Outdoor
Cable Construction	Breakout
Strength Member	Aramid Yarn
Outer Sheath	PE

Sheath Color	Black
Connectorization	According to application

Cable Construction

Component	Specification
Optical Fiber	Single-Mode Fiber
Fiber Coating	250 μm
Fiber Protection	Individual Fiber Unit
Strength Member	Aramid Yarn
Water Protection	Water-Resistant Material
Outer Sheath	PE
Outer Sheath Color	Black
Cable Structure	Breakout

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 μ m
Coating Diameter	245 ± 10 μ m
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
Outdoor Application	Yes
Environmental Protection	Suitable for outdoor FTTA applications

Standards

Standard	Description
ITU-T G.652.D	Single-Mode Optical Fiber
ITU-T G.657	Bend-Insensitive Single-Mode Fiber
IEC 60793	Optical Fibers
IEC 60794	Optical Fiber Cables