



Optical Fiber CABLE

TECHNICAL DATA SHEET

**FTTA Base Station Fiber Optic Cable
GYFJH-2/4FO**

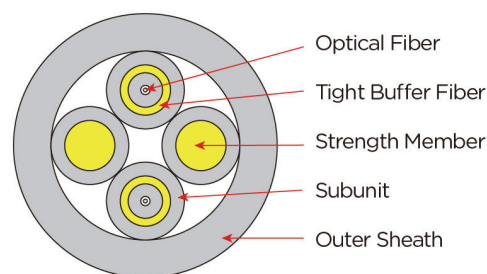


FTTA Base Station Fiber Optic Cable GYFJH-2/4FO

Product Description:

Description

The GYFJH FTTA Base Station Fiber Optic Cable is a compact and flexible outdoor fiber optic cable designed for Fiber-to-the-Antenna (FTTA) applications in mobile communication and wireless base station networks. It is suitable for connecting remote radio units (RRUs) and baseband units (BBUs), providing reliable optical transmission in demanding outdoor environments.



Features

- Available in 2 / 4 optical fibers
- Designed for FTTA and base station applications
- Single-mode optical fiber
- Compact and lightweight construction
- High flexibility for easy installation
- Excellent tensile strength
- Good resistance to bending and mechanical stress
- UV-resistant outer sheath
- Suitable for outdoor installation
- Excellent environmental performance
- Resistant to moisture and temperature variations
- Suitable for direct aerial and tower applications

Applications

- FTTA – Fiber-to-the-Antenna
- 5G / 4G Base Stations
- RRU-to-BBU Connections
- Mobile Communication Networks
- Wireless Base Station Networks
- Antenna Feeder Systems
- Outdoor Telecom Networks

General Specifications

Parameter	Specification
Product Name	FTTA Base Station Fiber Optic Cable
Model / Part No.	GYFJH
Fiber Count	2 / 4 FO
Fiber Type	Single-Mode
Application	FTTA / Base Station
Installation	Outdoor
Cable Structure	Flexible Fiber Optic Cable
Strength Member	Aramid Yarn / FRP
Outer Sheath	PE / LSZH
Sheath Color	Black
Connectorization	According to application

Optical Fiber Characteristics

Parameter	Specification
Fiber Type	Single-Mode
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

Mechanical Characteristics

Parameter	Specification
Tensile Strength	According to cable design
Crush Resistance	According to cable design
Minimum Bend Radius – Installation	According to cable design
Minimum Bend Radius – Operation	According to cable design
Cable Diameter	According to cable construction
Cable Weight	According to cable construction
Flexibility	High
Installation	Outdoor / Tower / Antenna

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



Fiber Color Code

Fiber No.	1	2	3	4
Color	Blue	Orange	Green	Brown