



Optical Fiber CABLE

TECHNICAL DATA SHEET

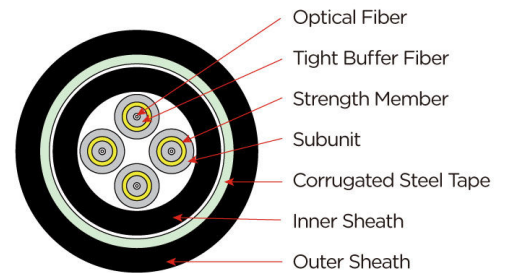
**FTTA Armoured Multi-Purpose Break-
out Fiber Optical Cable GYBFJH53-
4FO**



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Product Description

The GYBFJH53-4FO FTTA Armoured Multi-Purpose Break-out Fiber Optical Cable is a rugged 4-core outdoor fiber optic cable designed for Fiber-to-the-Antenna (FTTA) and wireless base-station applications. Its armored break-out construction provides enhanced mechanical protection, flexibility, and reliable performance in demanding outdoor telecommunications environments.



Features

- Designed for FTTA applications
- Armoured multi-purpose break-out construction
- High mechanical protection
- Excellent resistance to crushing and impact
- Enhanced protection against rodent damage
- High tensile strength
- Flexible and easy to route
- Suitable for outdoor tower and antenna installation
- UV-resistant outer sheath
- Good moisture and environmental resistance
- Suitable for direct connection to telecom equipment
- Easy stripping and termination
- Reliable performance in 4G/5G networks

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

General Specifications

Parameter	Specification
Product Name	FTTA Armoured Multi-Purpose Break-out Fiber Optical Cable
Fiber Count	4 FO
Fiber Type	Single-Mode
Cable Type	Armoured Break-out FTTA Cable
Application	FTTA / Base Station
Installation	Outdoor
Cable Construction	Break-out
Armour	Metallic Armour
Strength Member	Aramid Yarn / FRP
Outer Sheath	PE

Sheath Color	Black
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Cable Construction

Component	Specification
Optical Fiber	Single-Mode Fiber
Fiber Coating	250 μm
Fiber Protection	Individual Break-out Fiber Units
Strength Member	Aramid Yarn
Armour	Metallic Protective Layer
Water Protection	Water-Resistant Material
Outer Sheath	PE
Outer Sheath Color	Black
Cable Structure	Armoured Break-out

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

Fiber Color Code

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

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