



Optical Fiber CABLE

TECHNICAL DATA SHEET

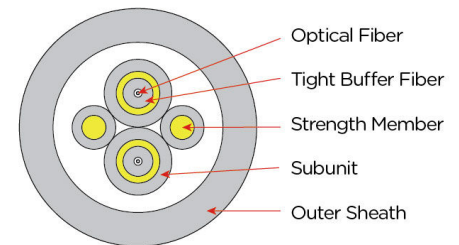
Outdoor Breakout FTTA Fiber Optical
Cable GYFJH-2FO



Outdoor Breakout FTTA Fiber Optical Cable GYFJH-2FO

Product Description

The GYFJH-2FO Outdoor Breakout FTTA Fiber Optical Cable is a compact, flexible and branchable fiber optic cable designed for Fiber-to-the-Antenna (FTTA) applications, particularly for connecting BBU/RRU/RRH equipment in 4G/5G base station networks.



The cable consists of two individually protected fiber sub-units with high-strength aramid reinforcement and an outer LSZH jacket, providing reliable mechanical protection and flexibility for outdoor and indoor routing.

Features

- 2-fiber breakout/branchable construction.
- Designed for FTTA and base-station applications.
- Suitable for outdoor and indoor installation.
- High-strength aramid yarn reinforcement.
- Compact and lightweight construction.
- Small bending radius.
- UV-resistant outdoor jacket options.
- LSZH outer sheath.
- Easy stripping and direct termination.

- Suitable for 4G/5G RRH/RRU connections.
- Excellent flexibility for vertical and horizontal routing.

Applications

- FTTA (Fiber-to-the-Antenna)
- 4G / 5G Base Stations
- BBU to RRU/RRH connections
- Wireless communication systems
- Outdoor communication equipment
- Rooftop and tower installations
- FTTx networks
- Indoor/outdoor equipment interconnection

General Specifications

Parameter	Specification
Fiber Count	2 FO
Cable Diameter	5.0–7.0 mm
Cable Weight	Approx. 22–42 kg/km
Long-Term Tensile Strength	180–200 N
Short-Term Tensile Strength	300–400 N*
Long-Term Crush Resistance	100–1100 N/100 mm
Short-Term Crush Resistance	500–2200 N/100 mm

Static Bending Radius	10D
Dynamic Bending Radius	20D
Operating Temperature	-30°C to +70°C

Cable Construction

Cable Element	Specification
Fiber Count	2 Fibers
Fiber Type	Single Mode G.657A1 / G.657A2
Fiber Unit	Tight Buffered
Buffer Diameter	Approx. 0.9 mm
Strength Member	Aramid Yarn
Sub-unit Jacket	LSZH
Outer Jacket	LSZH, UV Resistant
Outer Jacket Color	Black
Cable Structure	Breakout / Branchable

Optical Fiber Characteristics

Parameter	Specification
Fiber Type	Single Mode
Fiber Grade	G.657A1 / G.657A2
Cladding Diameter	125 ± 1.0 μm

Coating Diameter	$245 \pm 10 \mu\text{m}$
Attenuation @ 1310 nm	$\leq 0.40 \text{ dB/km}$
Attenuation @ 1550 nm	$\leq 0.30 \text{ dB/km}$
Cut-off Wavelength	$\leq 1260 \text{ nm}$
Zero Dispersion Wavelength	1300–1324 nm

Environmental Characteristics

Parameter	Specification
Operating Temperature	-30°C to +70°C
Storage Temperature	-30°C to +70°C
UV Resistance	Suitable for outdoor exposure
Moisture Resistance	Suitable for outdoor installation
Jacket	UV-resistant LSZH
Environmental Application	Indoor & Outdoor

Fiber Color Code

Fiber No.	1	2
Color	Blue	Orange