



Optical Fiber CABLE

TECHNICAL DATA SHEET

Aerial Outdoor Flat Drop Fiber Optic Cable GYFXTBY 1-6F G652D



Aerial Outdoor Flat Drop Fiber Optic Cable **GYFXTBY 1-6F G652D**

Product Description:

The GYFXTBY Aerial Outdoor Flat Drop Fiber Optic Cable is a compact and lightweight outdoor fiber optic cable designed for FTTH access and aerial installations. It uses G.652D single-mode optical fiber and a flat cable construction that provides easy handling, installation, and routing. The cable is reinforced with strength members and protected by an outdoor PE sheath for reliable mechanical and environmental performance.



Features

- Available in 1–6 optical fibers
- G.652D Single-Mode optical fiber
- Flat and compact cable construction
- Lightweight and easy to install
- Suitable for aerial outdoor installation
- High tensile strength
- Excellent mechanical protection
- Water-resistant construction
- UV-resistant PE outer sheath
- Good bending performance
- Easy stripping and termination
- Suitable for FTTH and FTTx access networks
- Reliable performance under outdoor environmental conditions

Applications

- **FTTH** – Fiber-to-the-Home access networks
- **FTTx** – Fiber access and distribution networks
- **Aerial Installation** – Outdoor overhead deployment
- **Access Networks** – Subscriber connections
- **Telecommunication Networks** – Outdoor optical communication
- **Last-Mile Networks** – Fiber distribution to end users

General Specifications

Parameter	Specification
Product Name	Aerial Outdoor Flat Drop Fiber Optic Cable
Model / Part No.	GYFXTBY
Fiber Count	1–6 FO
Fiber Type	Single-Mode
Fiber Standard	G.652D
Cable Type	Flat Drop Cable
Installation	Aerial / Outdoor
Cable Structure	Flat
Strength Member	FRP
Outer Sheath Material	PE
Outer Sheath Color	Black

Cable Construction

Component	Specification
Optical Fiber	G.652D Single-Mode Fiber
Fiber Coating	250 μm
Fiber Protection	Loose Tube / Fiber Unit
Strength Member	FRP
Water Protection	Water-Blocking Material
Outer Sheath	PE
Sheath Color	Black
Cable Shape	Flat

Optical Fiber Characteristics

Parameter	Specification
Fiber Type	G.652D
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
Zero Dispersion Wavelength	1300–1324 nm

Mechanical & Environmental 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
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
Installation Environment	Outdoor / Aerial



Fiber Color Code

Fiber No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Grey	White