



Optical Fiber CABLE

TECHNICAL DATA SHEET

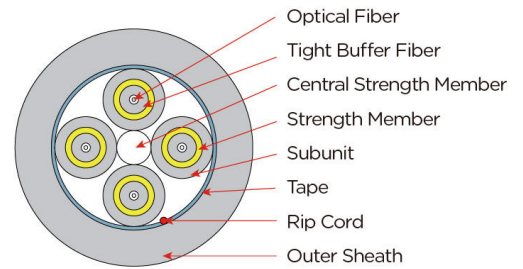
**Multi-Purpose Break-Out Fiber Optical
Cable GJBFJV-2/4FO**



Multi-Purpose Break-Out Fiber Optical Cable GJBFJV-2/4FO

Product Description

The GJBFJV-2/4FO Multi-Purpose Break-Out Fiber Optical Cable is a compact and flexible breakout cable designed for indoor and outdoor fiber optic applications. It consists of individually protected fiber sub-units, providing easy handling, routing and termination.



The cable is suitable for equipment interconnection, FTTA, data centers, communication systems and other applications requiring flexible multi-fiber breakout construction.

Features

- Available in **2F and 4F** configurations.
- Break-out construction with individually protected fiber units.
- Excellent flexibility and easy installation.
- High mechanical protection.
- Small outer diameter and lightweight construction.
- Suitable for indoor and outdoor applications, depending on sheath design.
- Easy fiber separation and termination.
- Compatible with various fiber optic connectors.
- Available with G.657A1/A2 bend-insensitive fiber.

Applications

- FTTA / FTTx networks
- Indoor & outdoor equipment connections
- Data centers
- Telecom equipment interconnection
- Fiber distribution systems
- Base station applications
- Access networks
- Patch panel and ODF connections

General Specifications

Parameter	GJBFJV-2FO	GJBFJV-4FO
Fiber Count	2	4
Fiber Type	G.657A1/A2	G.657A1/A2
Buffer Diameter	900 μm	900 μm
Approx. Cable Diameter	5.0–7.0 mm	6.0–9.0 mm
Approx. Weight	20–40 kg/km	30–50 kg/km
Long-Term Tensile	150–200 N	150–250 N
Short-Term Tensile	300–400 N	300–500 N
Static Bending Radius	10D	10D
Dynamic Bending Radius	20D	20D

Cable Construction

Cable Element	Specification
Fiber Count	2 / 4 Fibers
Fiber Type	Single Mode
Fiber Standard	ITU-T G.657A1 / G.657A2
Fiber Unit	Tight Buffered
Buffer Diameter	900 μm
Strength Member	Aramid Yarn
Sub-unit Jacket	LSZH
Outer Jacket	LSZH
Cable Structure	Break-Out
Outer Jacket Color	Black

Optical Fiber Characteristics

Parameter	Specification
Fiber Type	Single Mode Bend-Insensitive
Standard	ITU-T G.657.A1 / G.657.A2
Cladding Diameter	$125 \pm 1 \mu\text{m}$
Coating Diameter	$245 \pm 15 \mu\text{m}$
Attenuation @ 1310 nm	$\leq 0.40 \text{ dB/km}$

Attenuation @ 1550 nm	≤ 0.30 dB/km
Cable Cut-off Wavelength	≤ 1260 nm
Operating Wavelength	1310 / 1550 nm

Environmental Characteristics

Parameter	Specification
Operating Temperature	-30°C to +70°C
Storage Temperature	-30°C to +70°C
Installation Temperature	-20°C to +60°C
UV Resistance	Suitable for outdoor applications
Moisture Resistance	Suitable for outdoor applications
Sheath	LSZH / UV Resistant
Application	Indoor & Outdoor