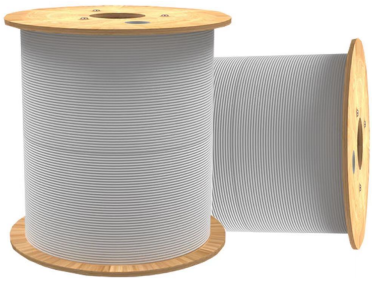
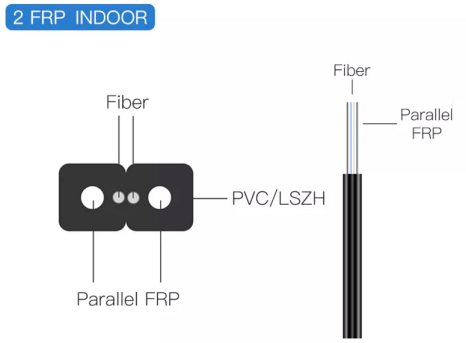
MapleArashi

Fiber Optic Cable Manufacturer

Indoor Bow-Type Drop Cable - GJXFV



Cable Structure - GJXFV



GJXFV Indoor FTTH Bow-Type Drop Cable

Indoor Bow-Type FTTH | Non-Metallic Strength Members | PVC Sheath

Indoor FTTH | Bow-Type Flat Structure | Non-Metallic Strength Members | PVC Sheath

GJXFV is an indoor FTTH bow-type drop cable designed for subscriber access, indoor routing, and terminal connection applications. The cable uses a compact flat structure with optical fiber positioned between two parallel non-metallic strength members, protected by a PVC sheath. Final cable parameters, fiber type, sheath material, and strength member design are subject to project requirements and confirmed cable design.

Product	GJXFV
Model	GJXFV
Category	FTTH Drop Cables - Indoor Drop Cables
Structure	Indoor bow-type FTTH drop cable with non-metallic strength members, PVC sheath

This specification is for reference only. Final cable design parameters are subject to project requirements and manufacturing feasibility.

1. Product Information

Field	Specification
Product	GJXFV
Model	GJXFV
Category	FTTH Drop Cables - Indoor Drop Cables
Structure	Indoor bow-type FTTH drop cable with non-metallic strength members and PVC sheath
Fiber Type	G.657A1 / G.657A2 / G.652D; subject to project requirements
Number of Fibers	Subject to final cable design and project requirements
Strength Member	Non-metallic strength members, subject to final cable design
Sheath Material	PVC, subject to project requirements
Sheath Color	Subject to project requirements
Application	Indoor FTTH subscriber access / terminal connection / indoor routing

2. Company Profile

Maplearashi Technology, with 20 years of expertise in fiber optic communication, manufactures GJXFV indoor FTTH bow-type drop cables with non-metallic strength members and PVC sheaths in our facility located in the Guangdong-Hong Kong-Macao Greater Bay Area. The compact flat design facilitates indoor wall-mounted and conduit routing for fiber-to-the-home subscriber connections. Compliance documents available upon request.

3. Product Overview

GJXFV is an indoor FTTH bow-type drop cable designed for subscriber access, indoor routing, and terminal connection applications. The cable uses a compact flat construction with optical fiber positioned between two parallel non-metallic strength members, protected by a PVC sheath. This design supports easy termination, field connectorization, and compact indoor routing, subject to project requirements and confirmed cable design.

4. Key Features

- Indoor bow-type FTTH drop cable design for subscriber access applications
- Non-metallic strength members for indoor routing without metallic components
- PVC sheath for indoor general-purpose performance
- Compact flat structure supports wall-mount, conduit, and corner routing in indoor environments
- Compatible with standard FTTH field termination and connectorization solutions
- Available in G.657 bend-insensitive fiber types for tight indoor routing

5. Recommended Use

- Indoor FTTH subscriber access from building entrance to terminal
- Wall-mounted indoor routing in apartments, offices, and residential buildings
- FTTH terminal box and ONT connection
- Apartment, office, and residential indoor fiber-to-the-home access

6. Installation Benefits

- Compact flat cable body for easier indoor routing
- Non-metallic design suitable for indoor access cabling
- Easy stripping and field termination
- Suitable for FTTH terminal box and ONT connection

7. Technical Specifications

7.1. Cable Structure

Layer	Component	Material / Function
1	Optical Fiber	G.657A1 / G.657A2 / G.652D; subject to project requirements
2	Strength Member	Two parallel non-metallic strength members, subject to final cable design
3	Cable Body	Flat bow-type construction
4	Outer Sheath	PVC, subject to project requirements

Material and design details can be adjusted according to fiber type, count, and project needs.

8. Applications

- Indoor FTTH subscriber access from building entrance to terminal
- Indoor horizontal routing in apartments, offices, and residential buildings
- FTTH terminal box and ONT connection
- Indoor wall-mounted or conduit-routed access links
- Indoor fiber distribution where non-metallic indoor cable is required

9. Design Notes

- Mechanical parameters subject to final cable design
- Designed for indoor use per project requirements
- Not designed for outdoor self-supporting aerial installation without additional cable design confirmation
- GJXFV uses non-metallic strength members and PVC sheath. GJXFH uses non-metallic strength members and LSZH sheath.
- GJXFV is an indoor bow-type FTTH drop cable. GJYXCH and similar models are outdoor self-supporting variants.

10. Indoor Installation Notes

- Avoid excessive pulling force during indoor routing
- Keep bend radius according to project-specific cable design and fiber type
- Use suitable clips, conduits, or trunking for indoor wall routing
- Confirm sheath material and color with project requirements before mass production

11. Handling & Termination Notes

- Use proper stripping tools for bow-type drop cable
- Avoid twisting or sharply bending the cable during installation
- Confirm fiber type and sheath color before batch production
- Suitable for field connector, pigtail, or terminal box installation

12. Fiber Options

Fiber Type	Description
G.652D	Standard single-mode fiber — ITU-T G.652.D standard
G.657A1	Bend-insensitive fiber — ITU-T G.657.A1 standard
G.657A2	Enhanced bend-insensitive fiber — ITU-T G.657.A2 standard
Custom	Other fiber types available per project requirements

13. Installation Guidance

- Installation temperature and pulling tensions subject to project-specific cable design
- Minimum bend radius during installation: refer to project-specific datasheet
- Indoor routing only, unless outdoor-specific cable design is confirmed
- Compatible with standard indoor FTTH termination and splicing procedures

14. Model Comparison & Reference

GJXFV vs GJXFH

Parameter	GJXFV	GJXFH
Sheath Material	PVC	LSZH
Strength Member	Non-metallic	Non-metallic
Application	Indoor FTTH bow-type drop cable	Indoor FTTH bow-type drop cable
Note	PVC vs LSZH sheath	See separate GJXFH specification

GJXFV vs GJYXCH / GJYXFCH

Parameter	GJXFV	GJYXCH / GJYXFCH
Application	Indoor FTTH drop cable	Outdoor / self-supporting drop cable
Strength Member	Non-metallic	Subject to design variant
Sheath	PVC	Subject to design variant
Note	GJXFV and GJYXCH are separate models	See separate GJYXCH specification

15. Customization Options

- Fiber type and count per project requirements
- Sheath color and marking per project requirements
- Alternative sheath materials subject to project requirements
- Sheath marking, meter marking, and cable color
- Drum length and packaging per project or shipping requirements

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