

FTTH (Optical Fiber Cables)

FLAT DROP INDOOR CABLE : Up to 4F

FLAT DROP FIGURE 8 OUTDOOR CABLE : Upto 2F

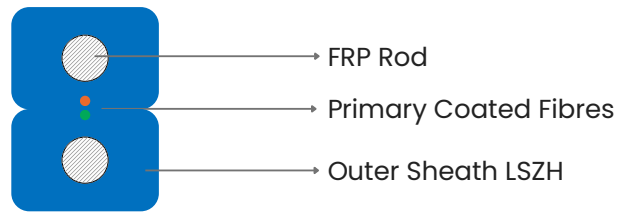
Key Features

- **Designed for Last-Mile Connectivity:** Optimized for connecting distribution networks directly to subscriber premises.
- **Indoor & Outdoor Compatibility:** Suitable for both internal wiring and external drop installations.
- **Flexible & Easy Installation:** Lightweight structure allows quick routing through walls, ducts, and tight spaces.
- **High Tensile Strength:** Withstands pulling forces during installation without affecting performance.
- **Weather-Resistant Design:** Durable outer sheath ensures reliable performance in varying environmental conditions.
- **Reliable Signal Transmission:** Supports stable and high-speed data transfer for broadband applications.



*Images are for representation purpose only.

FLAT DROP INDOOR CABLE (4F)

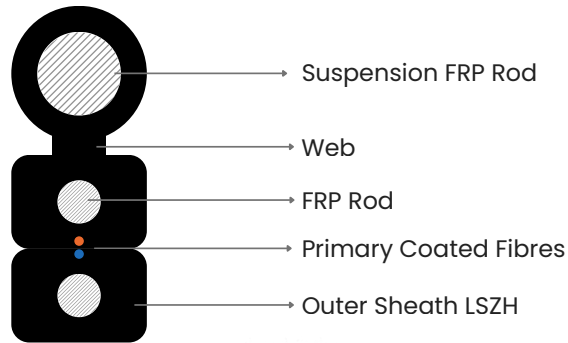


Specification

Cable Type	FTTH Indoor Fibre Optic Cable		
Reference Standard	IEC 60794, ITU-T G.652D, G.657A1		
FRP Steel Wire	2 FRP 2 Steel Wire		
Yarn	NA		
Fiber Capacity	1F 2F 4F		
Central Strength Member	Non-metallic (ARP / FRP)		
Structure	Flat Drop		
Construction	Tight Buffered Fibre		
Filling	Gel-free		
Core Filling	NA		
Core Wrapping	NA		
Jacket	UV Stabilized PVC / LSZH		
Key Applications	Indoor wiring, patching, subscriber connections		
Temperature (Operating)	-30°C to + 70°C		
Installation Temperature	-20°C to + 70°C		
Special Characteristics	Flexible, flame retardant, easy stripping		
Technical Data	Fiber Count	1F - 2F	4F
	Outer Diameter	2.0 x 3.0 mm (0.08 x 0.2 mm)	2.2 x 3.5 mm (0.09 x 0.1 mm)
	Weight (kg/km)	8 kg	10 kg
Tensile Strength (N)	Temporary	50	50
	Permanent	25	25
Bending Radius	Temporary	30D	30D
	Permanent	60D	60D
Physical Properties	Cable length	305 mtr & above	2 km & above
	Packing	Coil	Drum
Printing Details	Available in Standard or Customised Printing Options		

FLAT DROP FIGURE 8

OUTDOOR CABLE (2F)



Specification

Cable Type	FTTH Outdoor Fibre Optic Cable		
Reference Standard	IEC 60794, ITU-T G.652D, G.657A1		
FRP Steel Wire	3 FRP 3 Steel or 2 FRP 1 Steel Wire as Suspension		
Yarn	NA		
Fiber Capacity	1F 2F		
Central Strength Member	FRP / Steel		
Construction	Tight Buffered		
Filling	Gel-Free		
Core Filling	NA		
Core Wrapping	NA		
Jacket	UV Stabilized LSZH		
Key Applications	Outdoor drop, aerial installation, last-mile connectivity		
Temperature (Operating)	-30°C to +70°C		
Installation Temperature	-20°C to +70°C		
Special Characteristics	Weather resistant, high tensile strength, UV protection		
Technical Data	Fiber Count	1F - 2F	
	Outer Diameter	2.0 x 5.0 mm (0.08 x 0.2 mm)	
	Weight (kg/km)	25 kg ± 10%	
Tensile Strength (N)	Temporary	200	
	Permanent	100	
Bending Radius	Temporary	30D	
	Permanent	60D	
Physical Properties	Cable length	305 mtr & above	2 km & above
	Packing	Coil	Drum
Printing Details	Available in Standard or Customised Printing Options		

Fiber Transmission Performance

Parameters	Multimode				Single Mode
	62.5	50	50	50	9
Fiber Core Diameter	62.5	50	50	50	9
fiber Category	OM1	OM2	OM3	OM4	G.652D
Wavelengths(nm)	850 1300	850 1300	850 1300	850 1300	1310 150 1625
Maximum Attenuation (db/km)	3.5 1.5	3.0 1.0	3.0 1.0	3.0 1.0	0.36 0.23 0.26
Bandwidth (MHz*km) 850/1300	200 500	500 500	1500 500	3500 500	NA

Manufacturing Units

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