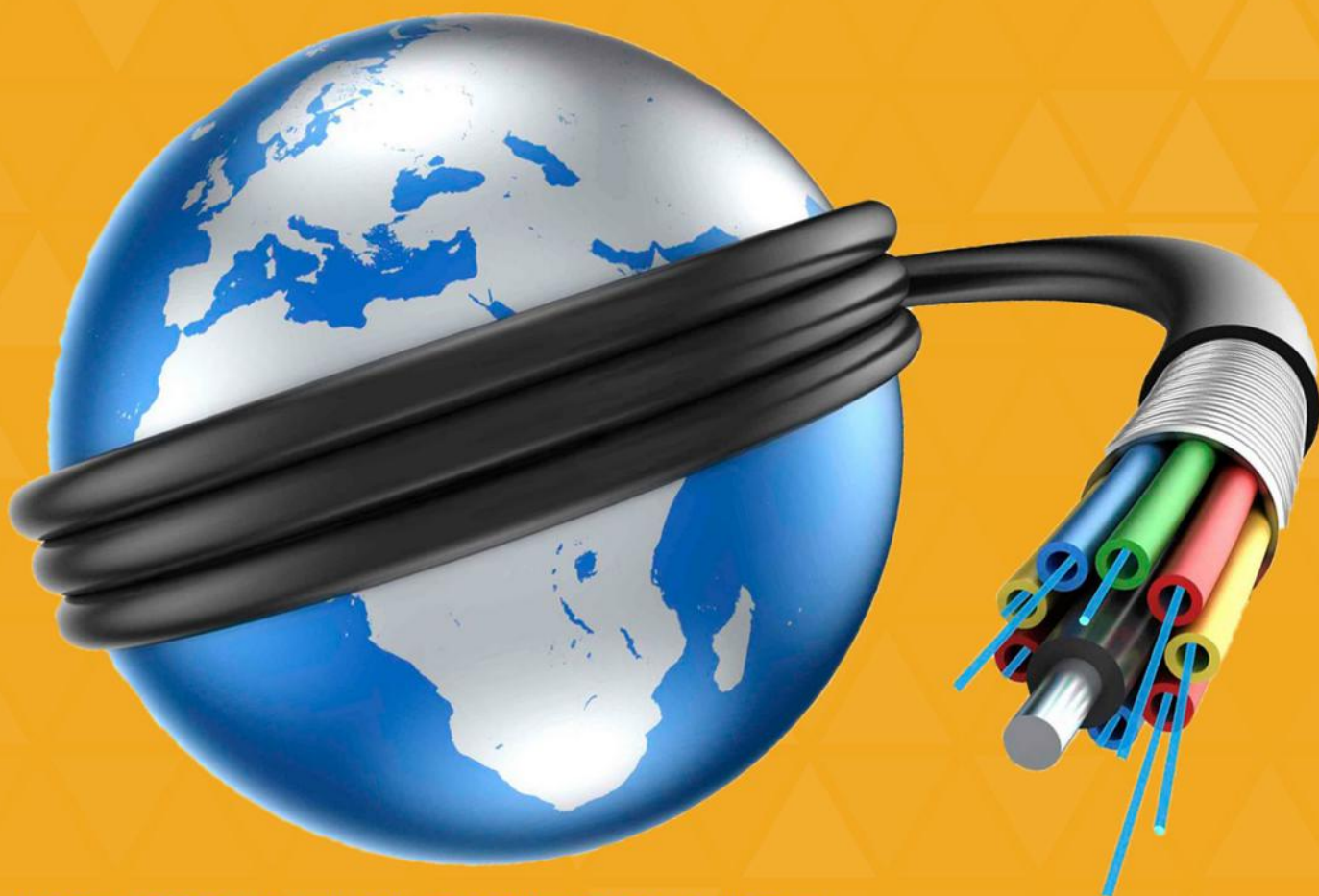


# *Optical* FIBER CABLE



## THE ESSENTIAL BUYER'S GUIDE

## PRODUCTION



## TESTING



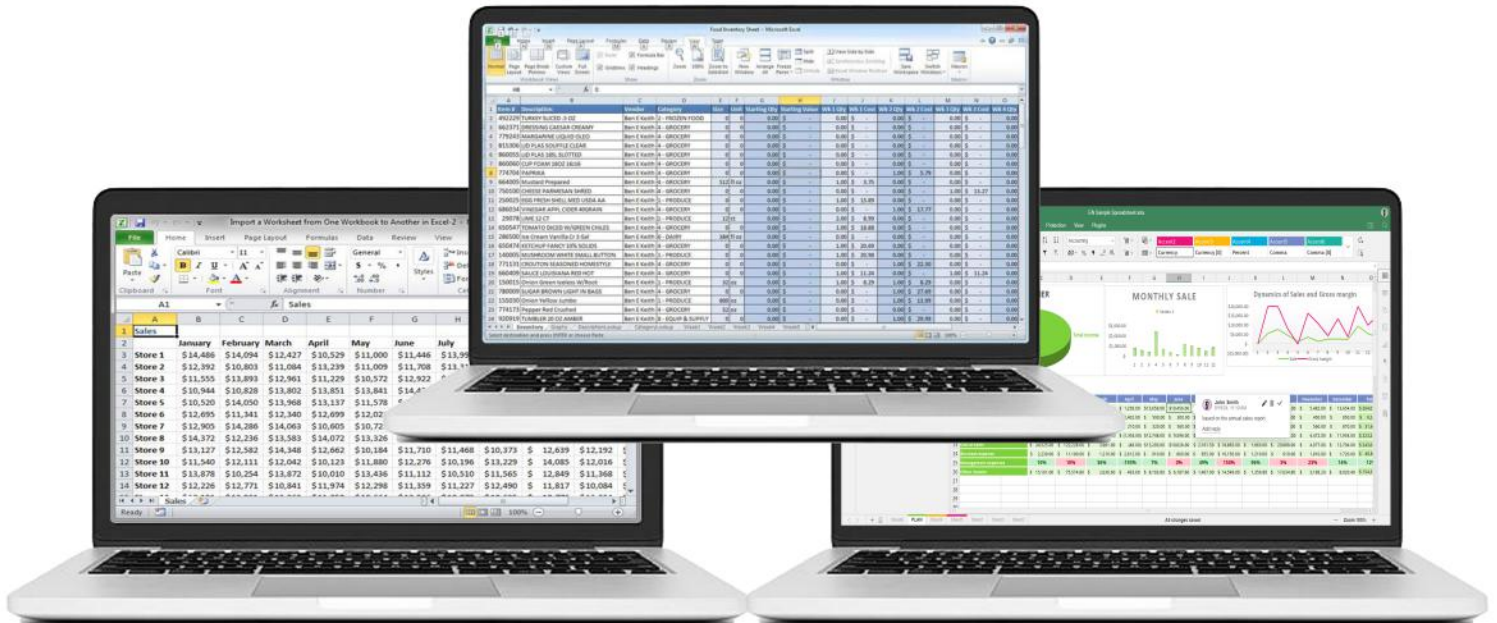
## PACKAGING





# On Time Delivery

Operated by system





## A Quick Guide

# OPTICAL FIBER CABLE SELECTION & INSTALLATION

**Digital Connection's Backbone:** In an era of rapid digital growth, the right optical fiber cables are key. For ISPs, cable operators, and end-users, understanding these cables is crucial.

## Fiber Basics

**What is Optical Fiber-** It uses light for ultra-fast data transmission, far surpassing older cable technologies.

**Types-** Whether Single-mode or Multi-mode, select fiber based on specific requirements and environment.

## Selection Criteria

**Environment Assessment-** Whether Single-mode or Multi-mode, select fiber based on specific requirements and environment.

**Bandwidth Projection-** Always be future-ready. Ensure your choice caters to growing data demands.

**System Compatibility & Durability-** Match fibers with existing setups. Prioritize long-lasting cables, like Home Fiber, for assured durability.

**Production Capacity-** A manufacturer's capacity reflects their scale and proficiency. Home Fiber boasts a production capacity of 21000Kms/month.



## Installation & Upkeep

**Prioritize Safety**—Adherence to safety standards is paramount during installation.

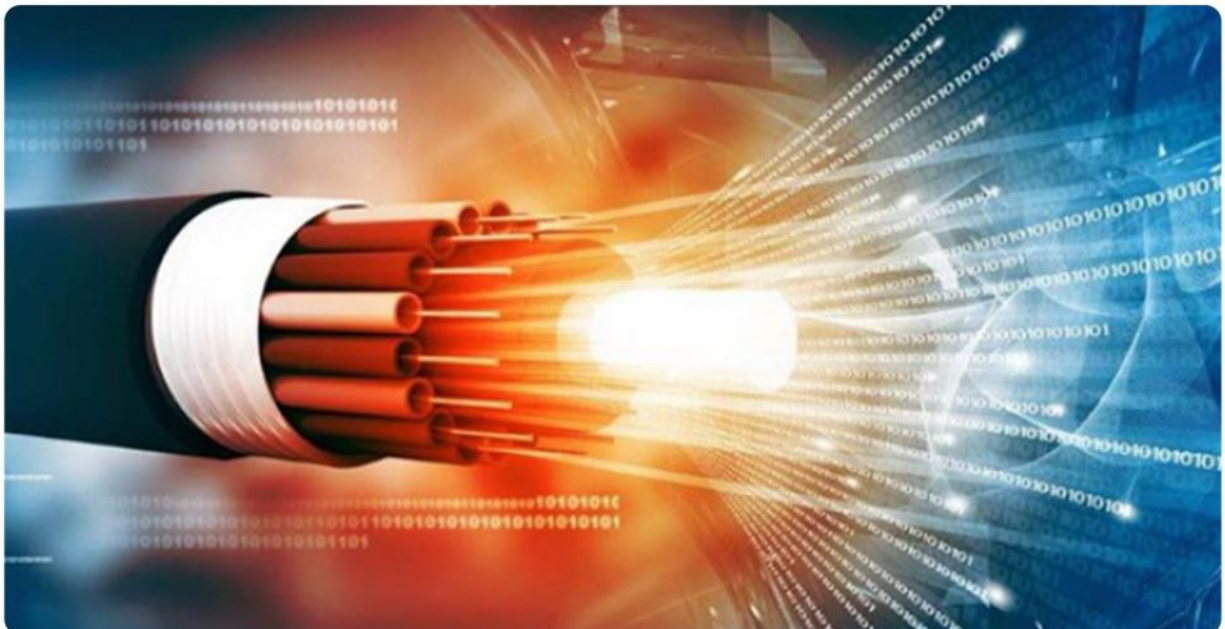
**Installation Protocol**—Spanning site assessment to post-installation evaluations, thoroughness is key.

**Routine Maintenance**—Consistent check-ups ensure uninterrupted operations. Proactively troubleshoot and stay open to periodic upgrades.

## Home Fiber Difference

**Home Fiber**—stands as a beacon in the optical fiber landscape, thanks to its pioneering design, sustainable manufacturing, and the overwhelming approval of its user base.

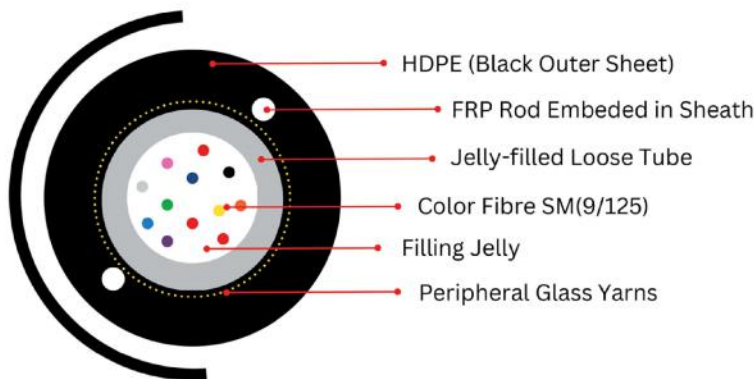
To know more about the selection of the right optical fibre cable, contact [www.homefiber.in](http://www.homefiber.in)



# Home Fiber Premium Outdoor OFC

**Premium Home Fiber Optical Cable:** The color-coated fiber is placed loosely in a jelly-filled uni-tube to protect from water ingress. It is surrounded by Glass Yarns for additional tensile strength. FRP Rods are embedded in an HDPE jacket, which serves as the strength member.

**Applications:** These cables are used for outdoor access network applications or as access cables for indoor/outdoor premises networks. They are particularly effective in premises distribution systems, especially aerial outdoor access cabling.



## Cable Construction Details:

<b>No. of fibers in Tube:</b>	2/4/6/12 fibers per tube as per fibre count
<b>Loose Tube:</b>	PBT Loose Tube Filled in Thixotropic Jelly
<b>Strength Member:</b>	Fiber Reinforced Plastic (FRP) embedded in sheath
<b>Peripheral Strength Member:</b>	Glass Yarn
<b>Outer Sheath:</b>	High-Density Polyethylene (Black Colour)
<b>Standard Length:</b>	2000mtr+ per coil or wooden drum (customizable)
<b>Cable Outer Diameter:</b>	6.5mm + 0.2mm
<b>Nominal Cable Weight:</b>	35 + 4 Kg/Km

## Fiber Color Code

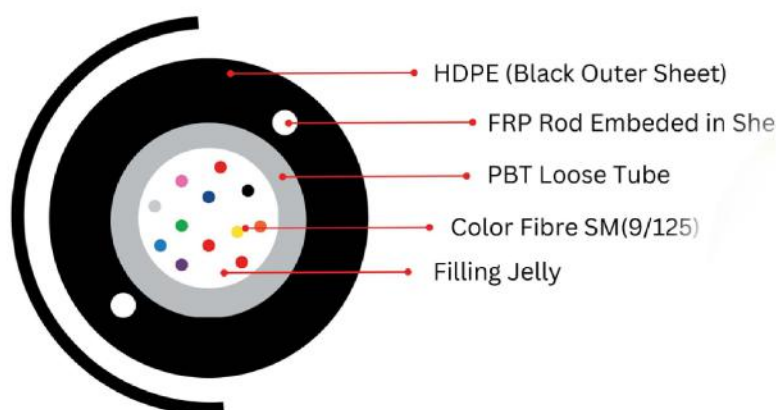
1 Blue	2 Natural	3 Orange	4 Green	5 Brown	6 Grey
7 White	8 Red	9 Black	10 Yellow	11 Violet	12 Pink





## Home Fiber Outdoor (UA/SM) OFC CABLE

**Outdoor Home Fiber Cable:** Color Fiber Placed Loosely In a Jelly-Filled uni-tube, HDPE Jacketed, Steel with or FRP Rods Embedded in HDPE Jacket as strength member, fibre optical cable for CATV application.



### Cable Construction Details:

<b>No. of fibers in Tube:</b>	2/4/6/12/24 fibers per tube as per fibre count
<b>Loose Tube:</b>	PBT Loose Tube Filled in Thixotropic Jelly
<b>Strength Member:</b>	Fiber Reinforced Plastic (FRP) embedded in sheath
<b>Peripheral Strength Member:</b>	Glass Yarn
<b>Outer Sheath:</b>	High-Density Polyethylene (Black Colour)
<b>Standard Length:</b>	2000mtr+ per coil or wooden drum (customizable)
<b>Cable Outer Diameter:</b>	6 mm + 0.2mm
<b>Nominal Cable Weight:</b>	30+/-4 k/ km

### Fiber Color Code

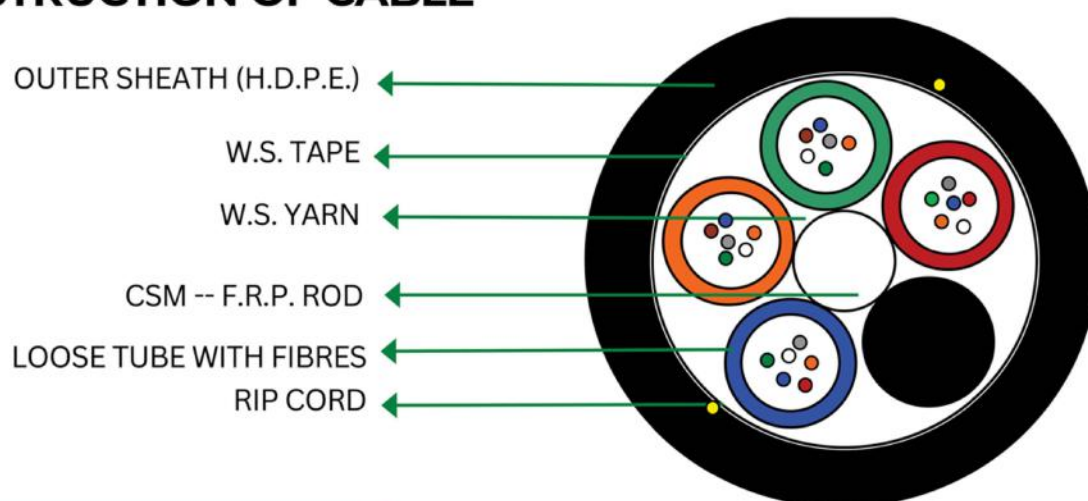
1 Blue	2 Natural	3 Orange	4 Green	5 Brown	6 Grey
7 White	8 Red	9 Black	10 Yellow	11 Violet	12 Pink



## Home Fiber Un Armoured Multi-Tube OFC Cable

**Outdoor Home Fiber Cable:** Color Coated Fiber Placed Loosely in a Jelly-Filled uni-tube, HDPE Jacketed, Steel with or FRP Rods Embedded in HDPE Jacket as strength member, fiber Optical Cable for CATV application.

### CONSTRUCTION OF CABLE



### Cable Construction Details:

<b>No. of fibers in Tube:</b>	6F/12F/24F/48F/96F fibers
<b>Loose Tube:</b>	PBT Loose Tube Filled in Thixotropic Jelly
<b>Strength Member:</b>	Fiber Reinforced Plastic (FRP) embedded in sheath
<b>Peripheral Strength Member:</b>	Glass Yarn
<b>Outer Sheath:</b>	High Density Polyethylene - Black Colour
<b>Standard Length:</b>	2/3/4 Km +/- 10 % Per Coil or wooden drum (customized)
<b>Cable Outer Diameter:</b>	10.2 mm $\pm$ 0.2mm
<b>Nominal Cable Weight:</b>	100+/- 12 Kg / Km

### Fiber Color Code

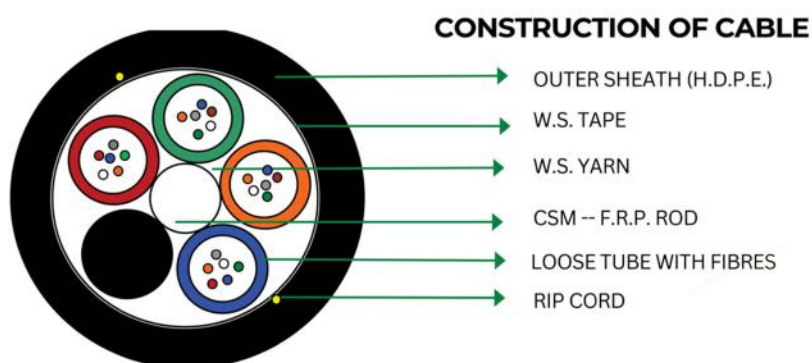


1	2	3	4	5	6
Blue	Natural	Orange	Green	Brown	Grey
7	8	9	10	11	12
White	Red	Black	Yellow	Violet	Pink



## Home Fiber Armoured Single Mode Multi Tube Cable

**Outdoor Home Fiber Cable:** Color Coated Fiber Placed Loosely in a Jelly-Filled uni-tube, HDPE Jacketed, Steel with or FRP Rods Embedded in HDPE Jacket as strength member, fibre Optical Cable for CATV application.



### Cable Construction Details:

<b>No. of fibers in Tube:</b>	6F/12F/24F/48F/96F fibers
<b>Loose Tube:</b>	PBT Loose Tube Filled in Thixotropic Jelly
<b>Strength Member:</b>	Fiber Reinforced Plastic - FRP embedded in Sheath
<b>Peripheral Strength Member:</b>	Glass Yarn
<b>Outer Sheath:</b>	High Density Polyethylene - Black Colour
<b>Standard Length:</b>	2/3/4 Km +/- 10 % Per Coil or wooden drum (customized)
<b>Cable Outer Diameter:</b>	10.2 mm $\pm$ 0.2mm
<b>Nominal Cable Weight:</b>	100+/- 12 Kg / Km

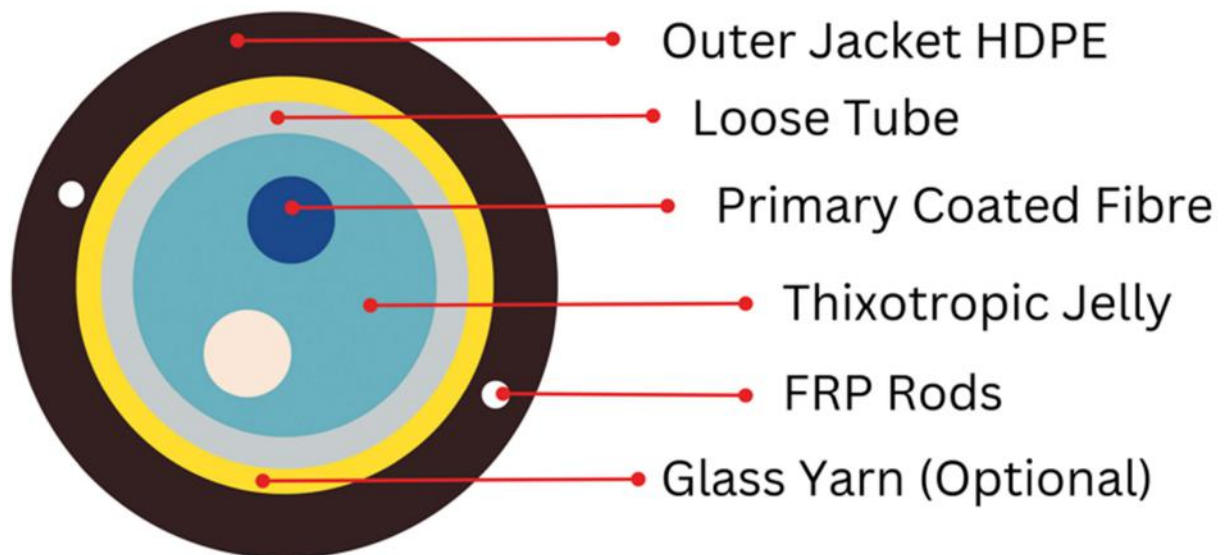
### Fiber Color Code



1 Blue	2 Natural	3 Orange	4 Green	5 Brown	6 Grey
7 White	8 Red	9 Black	10 Yellow	11 Violet	12 Pink

## FTTH / Drop Cable

### Platinum Series With 2 FRP & Yarn



### Cable Construction Details:



<b>No. of fibers in Tube:</b>	1/2 Fibers per tube (SM Fiber G657A1)
<b>Loose Tube:</b>	PBT Loose Tube Filled in Thixotropic Jelly
<b>Strength Member:</b>	1F Fiber Reinforced Plastic - FRP embedded in Sheath
<b>Peripheral Strength Member:</b>	Glass Yarn
<b>Outer Sheath:</b>	High Density Polyethylene - Black Colour
<b>Standard Length:</b>	1000mtr + Per Coil or wooden drum (customized)
<b>Cable Outer Diameter:</b>	4.7mm $\pm$ 0.2mm
<b>Nominal Cable Weight:</b>	17+ Kg / Km

### Technical Data

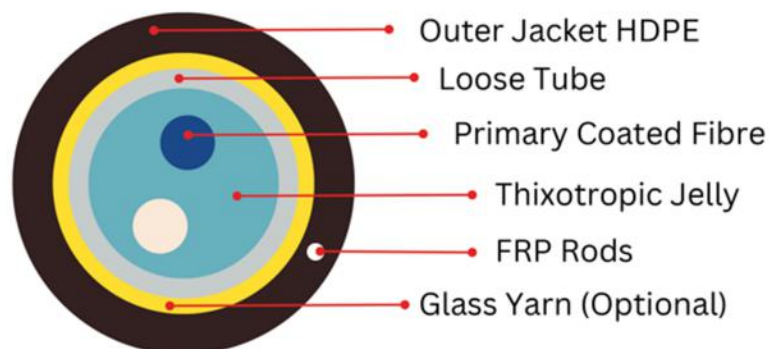
Fibre Count	Outer Diameter (Normal)	Weight (Kg/Km)	Tensile Strength (N)		Bending Radius	
			Temporary	Permanent	Temporary	Permanent
1F/2F	4.5mm	17	1000	500	15D	30D



# FTTH / Drop Cable

## Platinum Series With 2 FRP & Yarn

## Construction Detail



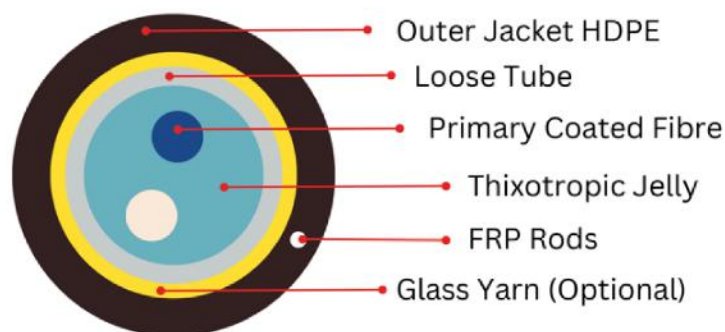
- Single loose tube filled with thixotropic jelly and centrally placed in the cable
- Glass yarns as Peripheral Strength Member (PSM)
- HDPE outer Sheath
- Fibre count 2F (SM Fiber G657A1)

## Technical Data

Fibre Count	Outer Diameter (Normal)	Weight (Kg/Km)	Tensile Strength (N)		Bending Radius	
			Temporary	Permanent	Temporary	Permanent
2F	4.5mm	14	1000	500	15D	30D

## Diamond/ Platinum With 2 FRP & Yarn (optional)

## Construction Detail



- Single loose tube filled with thixotropic jelly and centrally placed in the cable
- Glass yarns as Peripheral Strength Member (PSM)
- HDPE outer Sheath
- Fibre count 2F (SM Fiber G657A1)

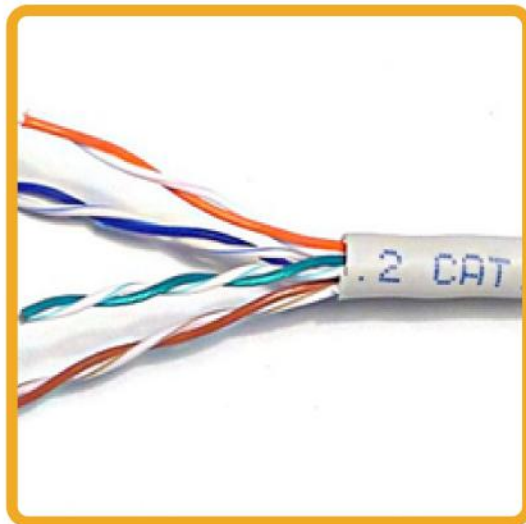
## Technical Data

Fibre Count	Outer Diameter (Normal)	Weight (Kg/Km)	Tensile Strength (N)		Bending Radius	
			Temporary	Permanent	Temporary	Permanent
2F	4.8mm + 0.3mm	17	1000	500	15D	30D

## Other Products



CCTV Cable



Networking Cable



Dualband XPON WiFi  
Router with Voice port



Dualband XPON WiFi Router.

SCAN ME



To Know More About Us:

[www.homefiber.in](http://www.homefiber.in)



# Made in India | Made for India



**CHENNAI | COIMBATORE | KERALA | KANYAKUMARI | THIRUNELVELI |  
MADURAI | BANGALORE | DELHI | HYDERABAD | MUMBAI | PUNE |**



# Reasons To Choose Home Fiber Cables

1. **Certified Quality:** Complies with industry standards.
2. **Scalability:** Grow your network effortlessly.
3. **Timely Delivery:** Ensure project deadlines are met.
4. **Customer Satisfaction:** Our priority, always.
5. **Reduced Signal Loss:** Optimal signal integrity.
6. **Custom Solutions:** Tailored to your specific needs.
7. **Cost-Effective:** Value for your investment.
8. **Versatile Applications:** Suited for diverse industries.
9. **Eco-Friendly:** Environmentally responsible materials.
10. **Customer Support:** 24/7 assistance and support.
11. **Easy Installation:** Simplified setup and maintenance.
12. **Longevity:** Designed for a long service life
13. **High Bandwidth:** Seamlessly handle data-intensive tasks.
14. **Security:** Enhanced data security and privacy.
15. **Robust Infrastructure:** Built to withstand the toughest conditions.
16. **Low Latency:** Ideal for online gaming and streaming.
17. **Made in India:** Proudly manufactured in India.
18. **Global Reach:** Trusted by customers worldwide.
19. **Lightning-Fast Speed:** Experience blazing-fast data transfer speeds.
20. **Reliable Connectivity:** Stay connected without interruptions.
21. **Future-Proof Technology:** Keep pace with evolving technology





## **TALK TO OUR CABLE EXPERTS**

### **Chennai:**

TELFİ TECHNOLOGIES PRIVATE LIMITED

GST No: 33AAJCT7901M1Z0

Plot No.1/301, 2nd Floor, Palkalai Nagar, Palkalai Nagar Avenue,  
Palavakkam, Chennai, Chennai, Tamil Nadu, 60004

### **Nagercoil:**

TELFİ TECHNOLOGIES PVT LTD

E9/49, Louisammal Street, Palace Road.

Nagercoil.

State: TAMILNADU

contact U.S. - [www.homefiber.in](http://www.homefiber.in)