



# Optical FIBRE CABLE

"Crafting the Backbone of Digital Era"



## The Ultimate **Buying Guide**

# Our Story

Founded in the early 1990s by Mr. **Rajinder Makhija**, our group began with **antenna wires** and **coaxial cables**. Over the years, we expanded our product line to include **networking cables**. In 2018, we achieved a major milestone by establishing a **state-of-the-art Optical Fibre Cable Manufacturing plant** in New Delhi, India. Today, we are a reputed manufacturer of **Optical Fibre Cables**, **FRP Rods**, and **HDPE**, known for our quality, reliability, and cutting-edge technology. With a combined annual capacity of over **250,000 kilometers**, we are pioneers in the field of telecommunication and broadband solutions.



(Awarded as **Best Cable Manufacturer** presented by Hon'ble Dy. Mayor of Delhi in Partnership with **The Economic Times**.)



(The **Pride Award** presented by **The President of All India Electronics Association Estd. 1936**)



# Meet the Team



**Mr. Rajinder Makhija** has been leading the **company's group** since the early **1990s**. Under his guidance, the company diversified from **antenna wires** to **Co-axial cables**, **CCTV cables**, **Networking Cables** (CAT-5 and CAT-6), and **Optical Fibre Cables**. His emphasis on **backward integration** ensures **quality** and **competitive prices** through **in-house production** of most raw materials.



**Mr. Sudhir Makhija**, Director of **M-Core Industries Pvt. Ltd.**, is a successful **business leader**, **published author**, and a **Dealer Growth Expert**. With a proven track record in **strategic management**, he drives growth, fosters collaboration, and excels in **market expansion** initiatives that benefit dealers through **strategic partnerships**. Skilled in assembling **top-performing** teams, he cultivates a culture of **teamwork** for **success**.



**Mr. Rahul Makhija**, a proficient Director at **M-Core Industries Pvt. Ltd.**, leads in **production**, **operations**, and **cost-cutting measures**, **propelling growth** and **efficiency**. His expertise guarantees **top-quality products** and profitability, with remarkable achievements in scaling economies and optimizing **product efficiency**.

## MILESTONE ACHIEVEMENT

MORE THAN **13000**  
HAPPY CUSTOMER

SUPPLY IN **26** STATES  
**6** UNION TERRITORIES

**30** CRORE **55** LAKHS METERS  
CABLES **PRODUCED**

MANUFACTURING FACILITY  
SPREAD OVER **94,000** SQ.  
FT.



# Certifications



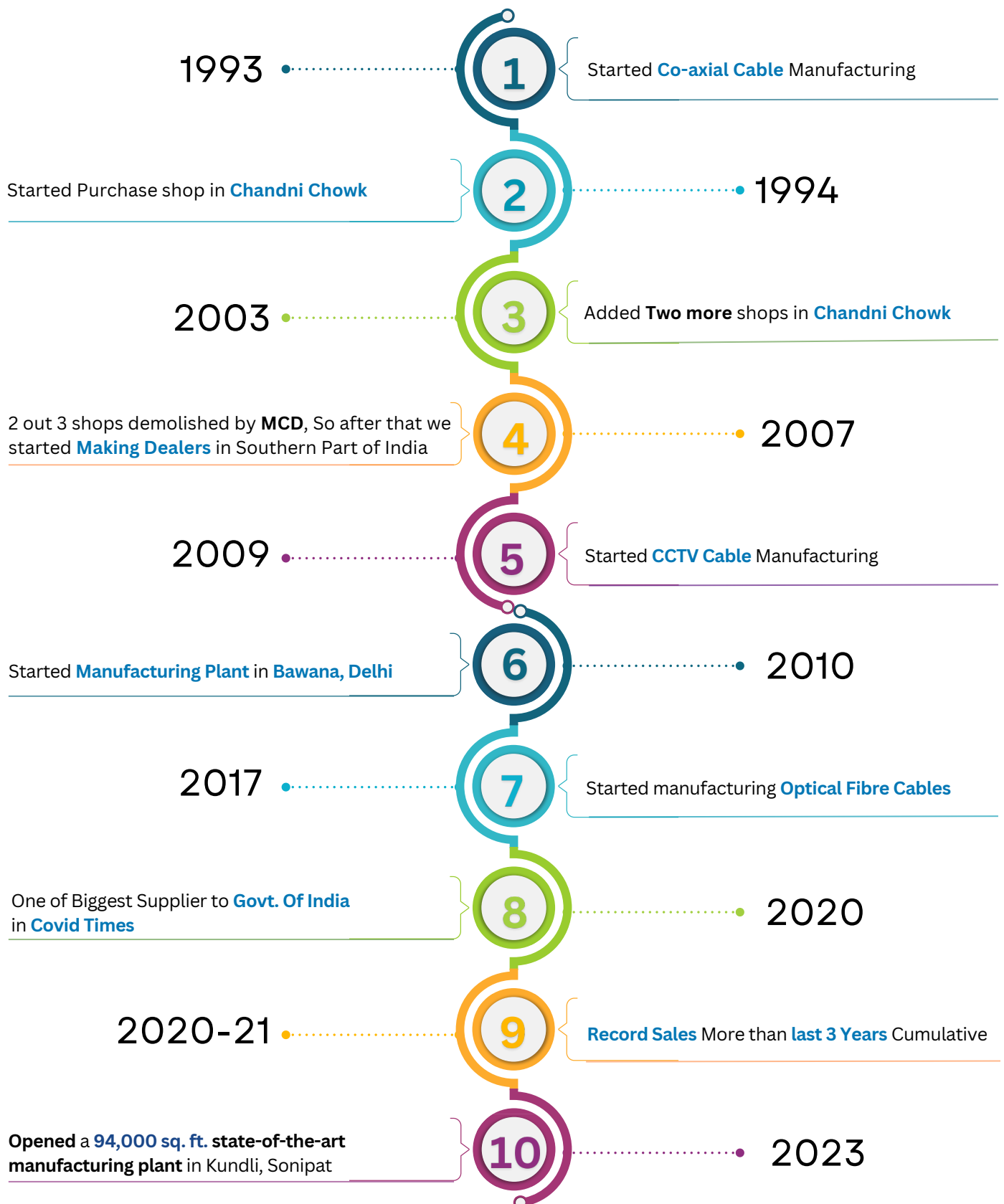
#startupindia

DIPP # 70920





# Our Journey



# 13000 + CUSTOMERS

All Across India



इलेक्ट्रॉनिकी एवं  
सूचना प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
ELECTRONICS AND  
INFORMATION TECHNOLOGY

सत्यमेव जयते



पावरग्रिड  
POWERGRID



E-GOVERNANCE SERVICES INDIA LIMITED



रक्षा मंत्रालय  
MINISTRY OF  
DEFENCE

सत्यमेव जयते

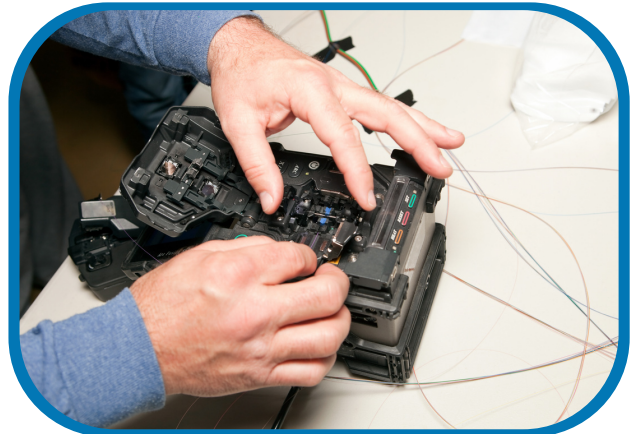
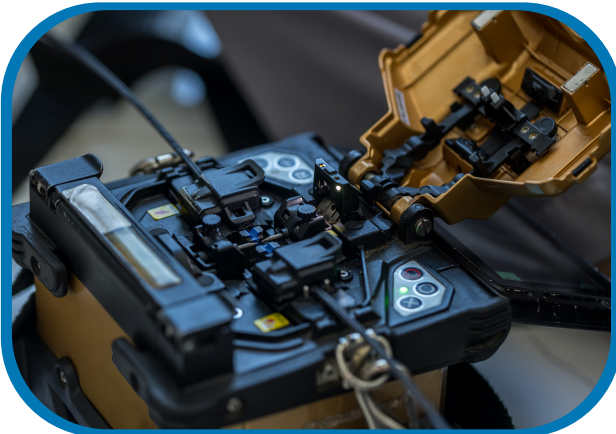




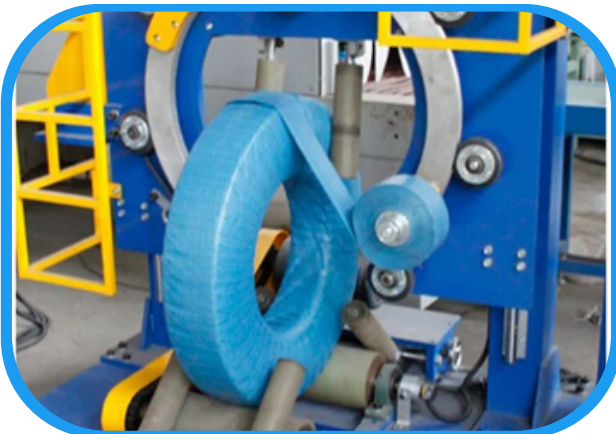
# Production



# Testing



# Packaging



# On Time Delivery

Driven by **Systems**

S.No.	SKU	Item Code	Opening Stock	Current Stock	Available in %	BE AS ON	Avg 15 Day Consumption (in Pairs)	Avg Daily Consumption (OP)
1	MC13FS	M-CORE 2 + FRP 58	117.51	33.77	115.44	Normal	5.71	5.71
2	MC22F00Y	M-CORE PREMIUM 2 + FRPOUBLE YARN 60	7.30	0.00	0.00	Normal	0.00	0.00
3	MC14FS5Y	M-CORE 4 + FRP YARN 58	189.14	55.83	107.07	Normal	10.47	10.47
4	MC18FS5Y	M-CORE 8 + FRP YARN 58	59.59	17.55	105.54	Normal	2.84	2.84
5	MC18FS5Y	M-CORE 8 + FRP YARN 60	9.85	17.55	122.54	Normal	2.84	2.84
6	MC18FS5Y	M-CORE 8 + FRP YARN 58	0.00	0.00	0.00	Normal	0.00	0.00
7	MC18FS5Y	M-CORE 8 + FRP YARN 58	0.00	0.00	0.00	Normal	0.00	0.00
8	MC18FS5Y	M-CORE 8 + FRP YARN 58	66.09	17.52	6.17	Normal	37.78	37.78
9	MC14FS5Y	M-CORE 4 + FRPOUBLE YARN 58	37.21	10.00	10.00	Normal	5.74	5.74
10	MC10FS5Y	M-CORE 12 + FRP YARN 58	8.79	58.00	105.75	Normal	7.00	7.00
11	MC10FS5Y	M-CORE 12 + FRP 58	13.10	2.80	5.38	Normal	10.30	10.30
12	F382958	FIBROS TECHNOLOGIES 2 + STEEL 58	1.39	0.00	0.00	Normal	0.00	0.00
13	F1237FS	FIBROS 2 + FRP 58	1.54	0.00	0.00	Normal	0.00	0.00
14	BH102FS5Y	BHARATHI-CABLES 2 + FRP YARN 58	4.35	3.79	125.93	Normal	0.58	0.58
15	TR102FS5Y	TRACOSCOPE 2 + FRP YARN 58	5.03	16.25	270.87	Normal	1.27	1.27
16	MC10FS5Y	M-CORE 2 + FRP YARN 58	34.45	29.41	180.03	Normal	3.64	3.64
17	MC10FS5Y	M-CORE 2 + FRP 58	8.95	0.00	0.00	Normal	0.00	0.00
18	MC10FS5Y	M-CORE 2 + FRP 58	2.00	0.00	0.00	Normal	0.00	0.00
19	MC10FS5Y	M-CORE 2 + FRPOUBLE YARN 58	38.89	29.22	124.18	Normal	4.83	4.83
20	MC10FS5Y	M-CORE 2 + FTTH FRP YARN 45	9.67	5.23	25.50	Normal	4.95	4.95
21	MC10FS5Y	M-CORE 2 + FRPOUBLE YARN 60	3.21	2.00	33.33	Normal	1.21	1.21
22	MC10FS5Y	M-CORE 2 + FRP 58	4.48	0.00	0.00	Normal	0.00	0.00
23	TR102FS5Y	TRACOSCOPE 6 + FRP YARN 58	20.00	19.63	22.46	Normal	14.77	14.77
24	MC10FS5Y	M-CORE 12 + FRP YARN 60	23.13	0.63	28.74	Normal	7.13	7.13
25	MC10FS5Y	M-CORE 12 + FRPOUBLE YARN 58	1.52	2.00	25.00	Normal	1.52	1.52







## A Quick Guide

# OPTICAL FIBRE CABLE SELECTION & INSTALLATION

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

## Fibre Basics

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

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

## Selection Criteria

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


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

**System Compatibility & Durability-** Match fibres with existing setups. Prioritize long-lasting cables, like [M-Core](#), for assured durability.

## Certifications & Experience

**Trust in Certifications-** ISO 9001:2000, ISO 14001, and CE Marked products reflect quality and international standards.

**Brand Tenure-** Investigate the brand's experience. [M-Core](#), for instance, has been manufacturing cables for [32 years](#), testifying to its expertise..



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

**Track Record**- A vast customer base speaks volumes about a brand's credibility. **M-Core** stands tall with **12000** happy customers.

## 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.

## M-Core Difference

**M-Core** stands as a beacon in the optical fibre landscape, thanks to its pioneering **design**, **sustainable manufacturing**, and the **overwhelming** approval of its **user base**.

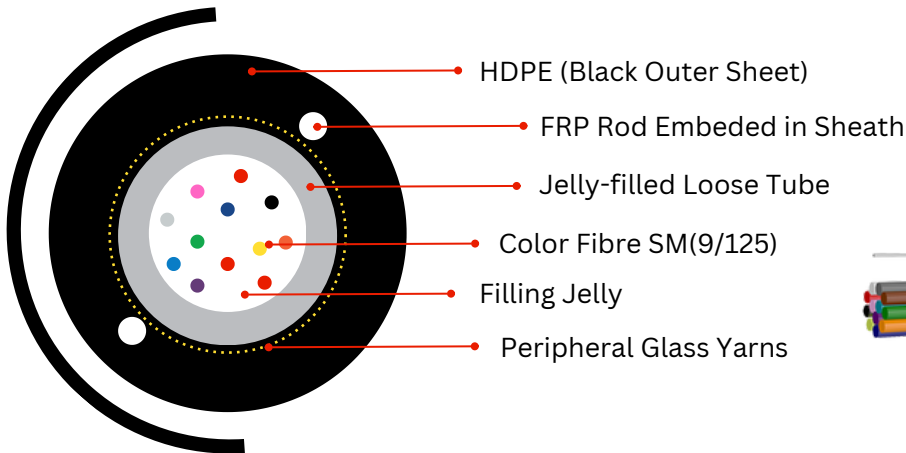
## Parting Thought

In a world where connectivity dictates progress, mediocrity isn't an option. Make informed choices by considering **certifications**, **brand experience**, **production capacity**, and **proven track record**.

**To know more** about the selection of the right **optical fibre cable**, contact our **OFC experts** at [ofcexperts@mccorecables.com](mailto:ofcexperts@mccorecables.com)



# M-CORE PREMIUM ADSS OFC



**M-Core Premium Optical Fibre Cable:** Color Coated Fibre place loosely in a jelly-filled uni-tube, to protect from water ingress and is surrounded with Glass Yarns which provides extra tensile to the core. FRP Rods Embedded in HDPE jacket as strength member.

These cables can be used for outdoor applications in access network or as access cables from outdoor to indoor in customer premises network. It can be used as access building cable in premises distribution system, especially used in outdoor aerial access cabling.

## Cable Construction Details:

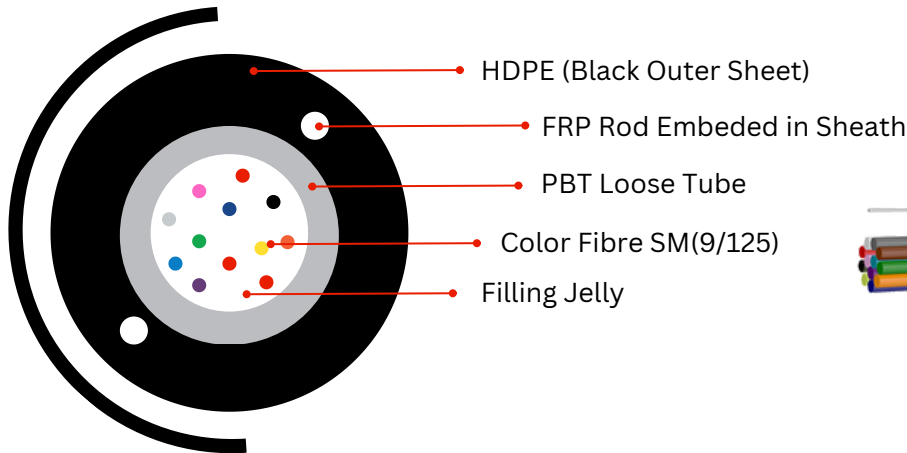
No. of fibres in Tube	: 2/4/6/12 fibres per tube as per fibre count
Loose Tube	: PBT Loose Tube Filled in Thixotropic Jelly
Strength Member	: Fibre Reinforced Plastic - FRP embedded in Sheath
Peripheral Strength Member	: Glass Yarn
Outer Sheath	: High Density Polyethylene - Black Colour
Standard Length	: 2000mtr + Per Coil or wooden drum or customized on request
Cable Outer Diameter	: 6.5mm + 0.2mm
Nominal Cable Weight	: 35+ 4 Kg / Km

## Fibre 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



# M-CORE OUTDOOR OFC CABLE



## Product Description

**M-CORE Outdoor Optical Fibre Cable:** Color Coated Fibre 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:

No. of fibres in Tube	: 2/4/6/12 fibres per tube as per fibre count
Loose Tube	: PBT Loose Tube Filled in Thixotropic Jelly
Strength Member	: Fibre Reinforced Plastic - FRP embedded in Sheath
Peripheral Strength Member	: Glass Yarn
Outer Sheath	: High Density Polyethylene - Black Colour
Standard Length	: 2000mtr + Per Coil or wooden drum or customized on request
Cable Outer Diameter	: 6.5mm + 0.2mm
Nominal Cable Weight	: 35+ 4 Kg / Km

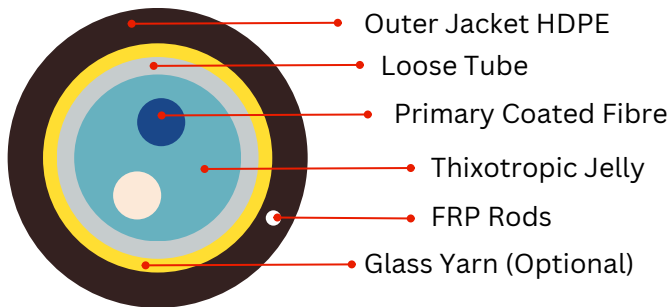
## Fibre Color Code

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

## Gold Series with 1 FRP & Yarn



### CONSTRUCTION DIAGRAM



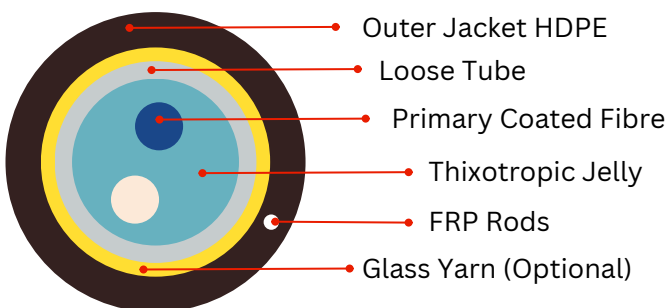
### CONSTRUCTION DETAILS

- 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 Fibre 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 DIAGRAM



### CONSTRUCTION DETAILS

- 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 Fibre 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	14	1000	500	15D	30D



## Customer Speaks



“ Working with **M-Core** has **increased my profits 4x** in **3 years**, and I now provide customers with **more fiber cable choices** and **better value for** their **money**. ”

-**Sumit Advani** - Sanay Electronics (Mumbai)

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“ जब से **M-Core** की **Cables** बेचना शुरू करा है, **Repeat Customers** ज्यादा बार वापस आ रहे हैं, जिससे मेरे **Profits** में बढ़ोतरी हुई है, और **M-Core Fiber Cables** की **सफलता** ने मेरे अन्य **Products** की **Sale** को भी बढ़ाया है। ”



-**Amol** - Optibre infra Tech (Nagpur)

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“ **M-Core Cables** use करने के बाद से मेरा अपना **network** काफी **strong** हुआ है। **M-Core** की **team** के साथ जुड़ने से मुझे **Business** में भी **Growth** मिली है, जिस से मैं एक **ISP** के साथ साथ **Reseller** भी बन गया हूँ। ”

-**Gaurav Kapoor** M/s Saanvi Enterprises

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# Made In India | Made For India

M-CORE<sup>®</sup>  
SUCCESS PARTNERS



AHMEDABAD | AYODHYA | BANGALORE | CHENNAI | COIMBATORE | DELHI | HANUMANGARH | HYDERABAD |  
IMPHAL | INDORE | KANPUR | KOLKATA | LUCKNOW | MADURAI | MUMBAI | NOIDA | PATNA | PRAYAGRAJ |  
PUNE | RANCHI | SRI GANGANAGAR | SRINAGAR | SURAT | VADODARA | VARANASI | VIJAYAWADA |

# Events & Exhibitions



## IFSEC INDIA 2018

Pragati Maidan, New Delhi



## Scat India 2019

World Trade Centre, Mumbai



## Digital Space India 2019

Chennai Trade Centre



## Cable TV Show 2020

Science City, Kolkata



## Convergence India 2022

Pragati Maidan, New Delhi



## CNC EXPO 2022

Hitex Hyderabad



## Cable TV Show 2023

Science City, Kolkata



## Convergence India 2023

Pragati Maidan, New Delhi



## IFSEC INDIA 2023

Pragati Maidan, New Delhi

### Upcoming Events

 **Convergence India 2024**

 **Cable TV Show 2024**

[www.mcorecables.com](http://www.mcorecables.com)



# 21 REASONS TO CHOOSE M-CORE CABLES

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

# क्या आप अपने **OFC BUSINESS** के **PROFITS** को **DOUBLE** करना चाहते हैं?



How to get **more Customers?**



How to get more **orders** from **Existing Clients?**



How to get more **profits** from your **Existing Stocks?**



(Dealer Growth Expert)

## Schedule 1 to 1 session

with **Mr. Sudhir Makhija** for **expert guidance** and tailored **business solutions** to overcome **your challenges**, along with a comprehensive **business blueprint** designed for your **specific needs**.

SCHEDULE YOUR **APPOINTMENT**

*For*

1 to 1 Session with **Mr. Sudhir Makhija**



# WORLD **1st** BOOK

ON *Cable Dealer Growth*

## AVAILABLE

ON **amazon**



Get **7 Strategies** to Increase **Sales** and  
Maximize **Profits**

**DOWNLOAD**



FREE COPY NOW



cabledealerguide.com

[www.mcorecables.com](http://www.mcorecables.com)



## Talk To Our Cable Experts

### **M-CORE INDUSTRIES PVT. LTD.**

#### **DELHI PLANT**

Address : L-253, Sector - 3, DSIIIDC Bawana Industrial Area,  
Delhi - 110039

Email : [info@mcorecables.com](mailto:info@mcorecables.com)

#### **KUNDLI PLANT**

Address : Plot No 259 Sector-53, HSIIDC, Phase 5, Kundli,  
Sonipat, Haryana 131028

Email : [sales@mcorecables.com](mailto:sales@mcorecables.com)



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