



# 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

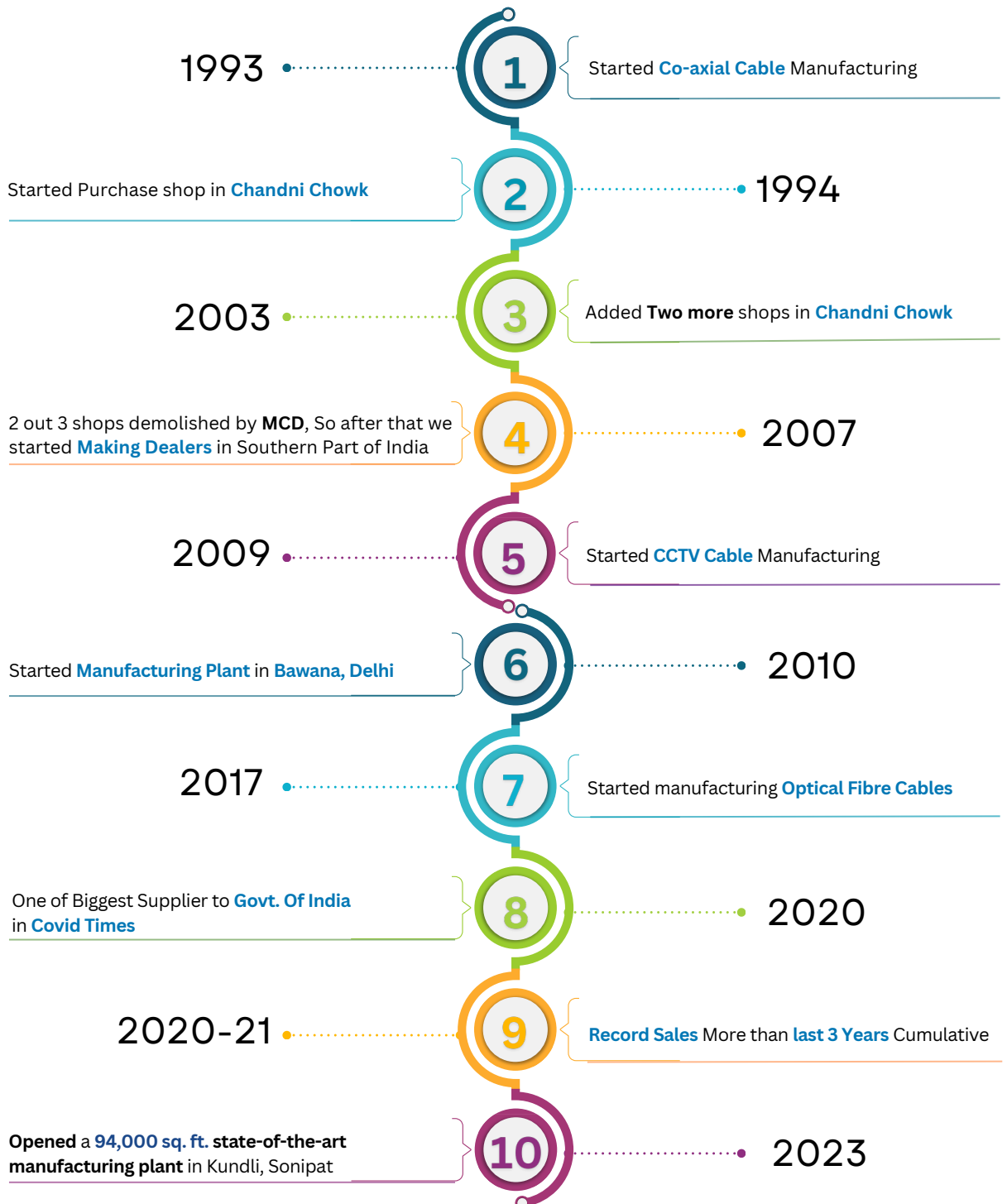
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GeM  
Government  
e Marketplace



# Our Journey



# 13000 + CUSTOMERS

All Across India



इलेक्ट्रॉनिकी एवं  
सूचना प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
ELECTRONICS AND  
INFORMATION TECHNOLOGY



पावरग्रिड  
POWERGRID



E-GOVERNANCE SERVICES INDIA LIMITED



रक्षा मंत्रालय  
MINISTRY OF  
DEFENCE

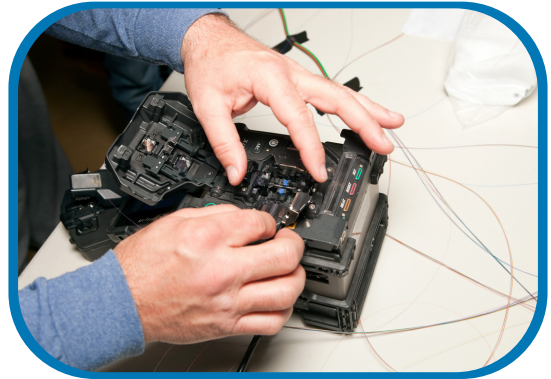
सत्यमेव जयते



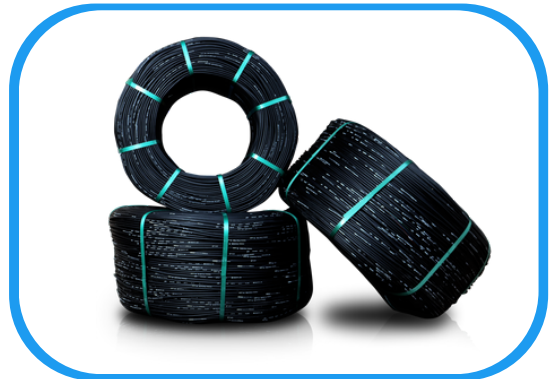
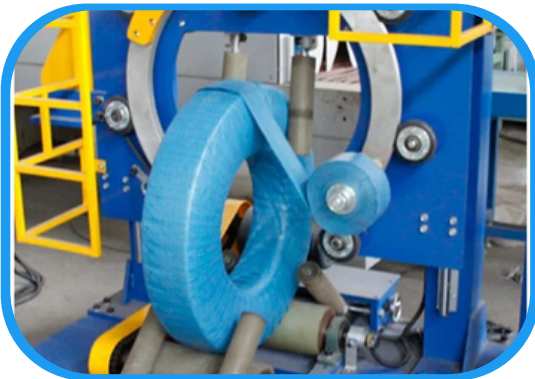
## Production



## Testing



## Packaging



# On Time Delivery

Driven by **Systems**

The image shows three laptops displaying different views of a data management system. The central laptop shows a large spreadsheet with columns for Item Code, Opening Stock, Current Stock, Available in % (AS, MS, ES), and Avg Daily Consumption. The left laptop shows a 'STEP 1.1' order processing table with columns for Order Received, Sales Person, and various order details. The right laptop shows a 'STEP 1.2' table with columns for Planned, Actual, Status, Time Delay, and Location, along with a 'PHYSICAL AVAILABLE STOCK LIST'.





# Reinforcements

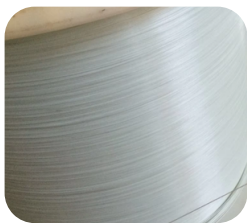
## FRP Rods

FRP rods are composite materials with a polymer matrix reinforced by fibers like glass or carbon. They boast a high strength-to-weight ratio, making them lightweight yet very strong. These rods are corrosion-resistant, have great tensile strength, and endure tough conditions, ideal for diverse structural uses.

### Distinct Features of M-Core FRP:

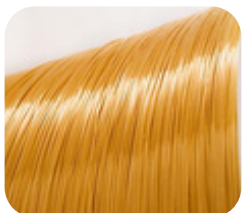
- Strong modulus and tensile strength maintain less than 0.25% fiber strain.
- Thickness variety from 0.29 to 6.00 mm.
- Precise diameter and shape consistency.
- Flexible, small bend radius design.
- Excellent aging resistance for durability in tough conditions.
- Broad compatibility with various jacket materials.
- Longer reels for reduced waste and improved production efficiency.

## EAA Coated



- High Tensile Strength
- Low moisture absorption
- High performance capabilities
- Range 0.4 - 11 mm
- High dielectric strength

## ARP Rod



- High Tensile Strength
- Light Weight
- High performance capabilities
- Range 0.4 - 11 mm
- Low moisture absorption



### Product Range

- FRP ROD for all types of cables
- Flat FRP for flexible armoring
- Bend insensitive FRP Rod
- Coated FRP Rod
- Water Blocking FRP
- Up Jacketed FRP Rod
- Steel embedded FRP Rod
- ARP Rod
- Low Bend FRP Rod



## 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

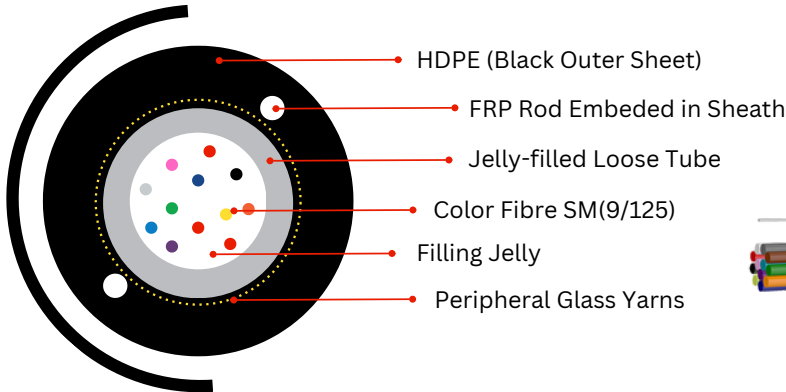
**M-Core** stands as a beacon in the optical fibre landscape, thanks to its pioneering **design**, **sustainable manufacturing**, and the **overwhelming** approval of its **user base**.

## 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:

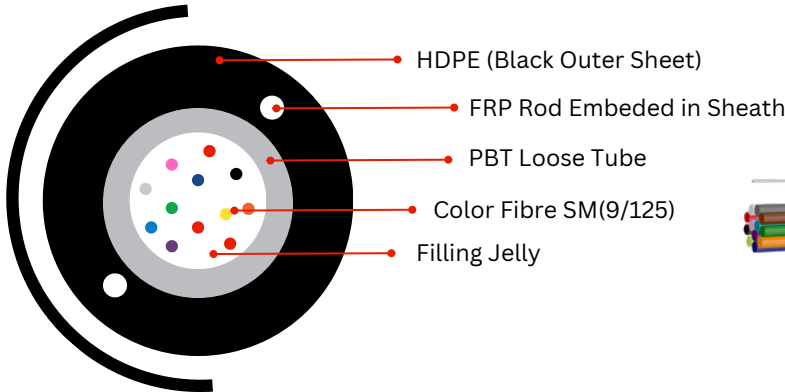
No. of fibres in Tube	: 2/4/6/12 fibres per tube as per fibre count
Loose Tube	: PBT Loose Tube Filled in Thixotropic Jelly
Strength Member	: Fibre Reinforced Plastic – FRP embedded in Sheath
Peripheral Strength Member	: Glass Yarn
Outer Sheath	: High Density Polyethylene – Black Colour
Standard Length	: 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

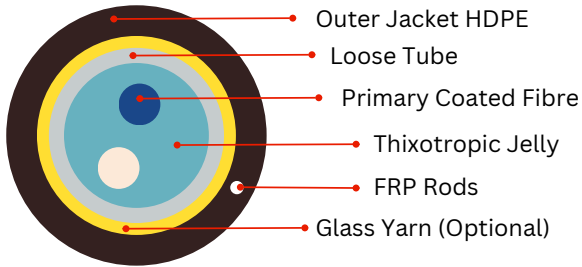
## Fibre Color Code

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



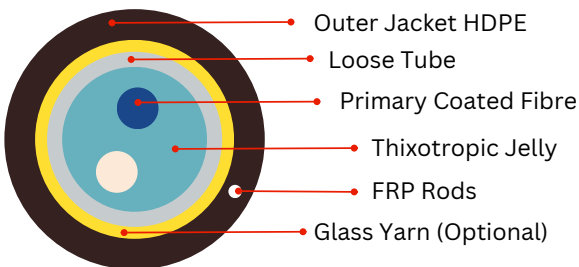
### CONSTRUCTION DETAILS

- 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

# 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](http://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, DSIIDC 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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