



**MGCAB**  
WIRE & CABLE

LIGHT SPEED CONNECTIVITY.  
RELIABLE NETWORKS.

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# M.G CABLE INDUSTRIES

## CONNECTING POWER. DELIVERING TRUST.

High quality cable management and earthing solutions that ensure safety, reliability and long lasting performance in every connection.

- HIGH QUALITY MATERIAL
- SAFE & RELIABLE CONNECTIONS
- DURABLE PERFORMANCE
- 100% TESTED PRODUCTS



PREMIUM QUALITY



SAFE & RELIABLE



HIGH PERFORMANCE



INDUSTRY STANDARDS



ON TIME DELIVERY

### OUR CABLE PRODUCT RANGE

#### FIRE ALARM RED FRLS CABLE



- ▶ Low Smoke
- ▶ Flame Retardant
- ▶ Halogen Free
- ▶ High Safety

### OTHER CABLE SOLUTIONS



- ▶ Power Cables
- ▶ Control Cables
- ▶ Instrumentation Cables
- ▶ Solar Cables
- ▶ Industrial Cables
- ▶ LT / HT Cables
- ▶ Earthing & Grounding Cables

### WHY CHOOSE MGCAB?

- PREMIUM QUALITY**  
High grade raw materials & advanced technology.
- RELIABLE PERFORMANCE**  
Engineered for durability, safety & long life.
- WIDE RANGE**  
Complete cable solutions under one roof.

- ADVANCED MANUFACTURING**  
State-of-the-art machines & strict quality control.
- ON TIME DELIVERY**  
Timely supply. Strong logistics network.
- CUSTOMER SUPPORT**  
Expert guidance & after sales support.

### OUR COMMITMENT

- ✓ Quality You Can Trust
- ✓ Performance You Can Rely On
- ✓ Safety You Can Count On
- ✓ Connections That Power Progress

**30+**  
YEARS OF  
TRUST & EXCELLENCE  
★★★★★

### CONNECT WITH US

- ☎ 9699547310, 9324463231
- ✉ info@mgcables.com
- 🌐 www.mgcables.com



### OUR BRANCHES

- 📍 MUMBAI
- 📍 VIJAYAWADA
- 📍 VIZAG
- 📍 JODHPUR



STRONG CABLES. SAFE CONNECTIONS. SECURE FUTURE.



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# COMPANY PROFILE

CONNECTING POWER. DELIVERING TRUST.

## ABOUT US

M.G Cable Industries is a trusted name in the manufacturing of high quality wires and cables. With a strong commitment to safety, reliability and innovation, we deliver products that power homes, businesses and industries across the nation.



### OUR MISSION

To provide superior quality cables and earthing solutions that ensure safety, reliability and long lasting performance.



### OUR VISION

To be a leading manufacturer recognized for innovation, quality and customer trust in the wire & cable industry.



### OUR VALUES

- Quality First
- Customer Commitment
- Integrity & Transparency
- Innovation
- Teamwork

## OUR PRODUCTS



### WIRES & CABLES

High conductivity & flame retardant



### CABLE TRAY

Lightweight, durable & corrosion resistant



### EARTHING PRODUCTS

Safe, reliable & long lasting protection



### JOINTING KITS

Moisture proof, high dielectric strength

## STATE-OF-THE-ART MANUFACTURING

Advanced technology, stringent quality control and skilled expertise ensure consistent performance and international standards.

- Advanced Manufacturing Facility
- Stringent Quality Control
- Skilled & Experienced Team

## QUALITY YOU CAN RELY ON



9001:2015 CERTIFIED



14001:2015 CERTIFIED



45001:2018 CERTIFIED



IS 694:2010 CERTIFIED



RoHS COMPLIANT



CE CERTIFIED

## WHY CHOOSE US?



PREMIUM QUALITY



SAFE & RELIABLE CONNECTIONS



DURABLE PERFORMANCE



INDUSTRY STANDARDS



ON TIME DELIVERY



COST EFFECTIVE

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# MGCAB

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# LT AB CABLE

RELIABLE POWER. SAFE CONNECTIONS.

## APPLICATION



Used for low tension overhead power distribution in domestic, commercial & industrial areas.



Distributes power from the main line to individual consumers.



Suitable for urban & rural electrification.

## FEATURES

- ✓ High Conductivity Aluminium
- ✓ Excellent Insulation with XLPE
- ✓ Abrasion, UV & Weather Resistant
- ✓ Easy Installation & Maintenance
- ✓ Safe & Reliable Performance

## TECHNICAL SPECIFICATION

Standard	IS 7098 (Part-1)
Voltage Grade	Up to 1.1 kV
Conductor	Aluminium (AAC)
Insulation	XLPE
No. of Cores	2 Core
Operating Temp.	-15°C to +70°C
Packing	Wooden Drums

## SIZE & DIMENSIONS

Code	Nominal Area (Sq.mm)	No. of Cores	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Weight (Kg./Km)
LTAB-16	16	2	1.2	12.5	115
LTAB-25	25	2	1.2	14.0	150
LTAB-35	35	2	1.2	15.5	190
LTAB-50	50	2	1.4	17.5	245
LTAB-70	70	2	1.4	19.5	335
LTAB-95	95	2	1.6	22.5	460

\* Other sizes available on request.



PREMIUM QUALITY



SAFE & RELIABLE CONNECTIONS



DURABLE PERFORMANCE



EASY INSTALLATION



ON TIME DELIVERY

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STRONG CABLES. SAFE CONNECTIONS. SECURE FUTURE.

# HT AB CABLE

RELIABLE POWER. SAFE CONNECTIONS.




## APPLICATION

-  Used for medium tension overhead power distribution in domestic, commercial & industrial areas.
-  Distributes power from the main line to sub-stations & large consumers.
-  Suitable for urban, rural & industrial electrification.

## FEATURES

- ✓ High Conductivity Aluminium Conductor
- ✓ Excellent Insulation with XLPE
- ✓ High Mechanical Strength
- ✓ UV, Weather & Abrasion Resistant
- ✓ Easy Installation & Maintenance
- ✓ Safe & Reliable Performance

## TECHNICAL SPECIFICATION

	Standard	IS 7098 (Part-1)
	Voltage Grade	Up to 33 kV
	Conductor	Aluminium (AAC)
	Insulation	XLPE
	No. of Cores	3 Core
	Operating Temp.	-15°C to +70°C
	Packing	Wooden Drums

## SIZE & DIMENSIONS

Code	Nominal Area (Sq.mm)	No. of Cores	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Weight (Kg./Km)
HTAB-16	16	3	2.2	19.0	190
HTAB-25	25	3	2.2	21.5	235
HTAB-35	35	3	2.2	23.5	295
HTAB-50	50	3	2.4	26.0	380
HTAB-70	70	3	2.4	29.0	515
HTAB-95	95	3	2.6	32.0	670

\* Other sizes available on request.



HIGH SAFETY & RELIABILITY



UV RESISTANT



WEATHER RESISTANT



LOW POWER LOSS



HIGH MECHANICAL STRENGTH



LONG LIFE

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# POWER & CONTROL CABLES

RELIABLE **POWER**. COMPLETE CONTROL.

## APPLICATION

- Used for power transmission & control circuits in industrial, commercial & infrastructure projects.
- Suitable for power, lighting, instrumentation & control applications.
- Ideal for industries, power plants, metros, malls & other installations.

## FEATURES

- ✓ High Conductivity Copper Conductor
- ✓ Flame Retardant & Heat Resistant
- ✓ Excellent Insulation & Sheathing
- ✓ High Mechanical Strength
- ✓ Easy Installation & Maintenance
- ✓ Safe, Reliable & Durable Performance

## TECHNICAL SPECIFICATION

Standard	IS 1554 (Part-1) / IS 694
Voltage Grade	Up to 1.1 kV
Conductor	Annealed Copper (Class 2)
Insulation	PVC / XLPE
Inner Sheath	PVC (Optional)
Armouring	GI / Steel Wire (Optional)
Outer Sheath	PVC / FRLS PVC
No. of Cores	2 Core to 61 Core
Operating Temp.	-15°C to +70°C
Packing	Wooden Drums

## SIZE & DIMENSIONS

Code	No. of Cores	Conductor		Insulation Thickness (mm)	Outer Sheath Thickness (mm)	Approx. Overall Diameter (mm)
		Nominal Area (Sq.mm)	Construction (No./mm)			
PCC-2.5	2	2.5	7/0.67	0.7	1.4	12.0
PCC-4	3	4	7/0.85	0.7	1.4	14.0
PCC-6	4	6	7/1.04	0.7	1.5	16.5
PCC-10	4	10	7/1.35	0.7	1.6	19.5
PCC-16	4	16	7/1.70	0.7	1.7	22.5
PCC-25	4	25	7/2.14	0.9	1.8	27.0
PCC-35	4	35	7/2.52	0.9	2.0	31.0
PCC-50	4	50	19/1.83	1.0	2.1	35.5
PCC-70	4	70	19/2.14	1.1	2.2	40.0
PCC-95	4	95	19/2.52	1.1	2.3	46.0

\* Other sizes & constructions available on request.



HIGH SAFETY & RELIABILITY	FLAME RETARDANT & HEAT RESISTANT	HIGH MECHANICAL STRENGTH	EASY INSTALLATION	DURABLE PERFORMANCE	LONG LIFE
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# FIRE ALARM CABLE

RELIABLE SIGNAL. EARLY WARNING.

## APPLICATION

- Designed for reliable fire alarm & communication systems.
- Suitable for indoor use in buildings, commercial complexes, hospitals, schools & industries.
- Ensures safe & quick transmission of signals in emergency conditions.

## FEATURES

- ✓ Flame Retardant
- ✓ Low Smoke
- ✓ High Signal Integrity
- ✓ Easy Installation
- ✓ Reliable Performance



## TECHNICAL SPECIFICATION

Standard	IS 694 / IS 1554 (Part-1)
Conductor	Annealed Electrolytic Grade Copper (Class 2)
Insulation	PVC
No. of Cores	2 Core to 20 Core
Voltage Grade	Up to 300 / 500 V
Temperature Range	-15°C to +70°C
Flame Retardant	FR PVC
Smoke Density	Low Smoke
Packing	100 mtrs. Coils / Wooden Drums

# FIRE SURVIVABLE CABLE

CONTINUITY THAT SURVIVES. PROTECTION THAT LASTS.

## APPLICATION

- Designed to maintain circuit integrity during fire conditions.
- Ideal for emergency lighting, alarm systems, sprinklers & critical power supply.
- Ensures safety & functionality when it matters the most.

## FEATURES

- ✓ Fire Resistant
- ✓ Circuit Integrity
- ✓ Low Smoke
- ✓ Halogen Free
- ✓ High Reliability



## TECHNICAL SPECIFICATION

Standard	IEC 60331-21 / BS 6387
Conductor	Annealed Electrolytic Grade Copper (Class 2)
Insulation	Mica Tape + XLPE
No. of Cores	2 Core to 20 Core
Voltage Grade	Up to 300 / 500 V
Fire Resistance	Up to 3 Hours
Temperature Range	-15°C to +90°C
Smoke Density	Low Smoke (LS)
Packing	100 mtrs. Coils / Wooden Drums

# FIRE BLUE ARMoured CABLE

STRENGTH OUTSIDE. SAFETY INSIDE.

## APPLICATION

- Designed for mechanical protection in fire alarm & emergency systems.
- Ideal for harsh environments like industrial plants, tunnels, metros & commercial buildings.
- Provides both electrical continuity & mechanical strength.

## FEATURES

- ✓ Flame Retardant
- ✓ Armoured Protection
- ✓ Crush & Impact Resistant
- ✓ Low Smoke
- ✓ Long Service Life



## TECHNICAL SPECIFICATION

Standard	IS 694 / IS 1554 (Part-1)
Conductor	Annealed Electrolytic Grade Copper (Class 2)
Insulation	PVC
Armour	GI Steel / Aluminium Wire Armoured
No. of Cores	2 Core to 20 Core
Voltage Grade	Up to 300 / 500 V
Temperature Range	-15°C to +70°C
Flame Retardant	FR PVC
Smoke Density	Low Smoke
Packing	100 mtrs. Coils / Wooden Drums

FLAME RETARDANT	LOW SMOKE	HIGH SIGNAL INTEGRITY	CIRCUIT INTEGRITY	MECHANICAL PROTECTION	EASY INSTALLATION	SAFE & RELIABLE PERFORMANCE	ON TIME DELIVERY
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# SHIELDED ARMoured CABLE (PAIR)

STRONG PROTECTION. CLEAR COMMUNICATION.

## APPLICATION

- Used for industrial automation, process control, instrumentation & data transmission.
- Suitable for harsh environments with high electromagnetic interference.
- Ideal for oil & gas, power plants, chemical plants & infrastructure projects.

## FEATURES

- Excellent EMI/RFI Shielding
- Armoured Protection
- High Signal Integrity
- Flame Retardant
- Moisture & Abrasion Resistant
- Wide Temperature Range
- Reliable & Long Service Life



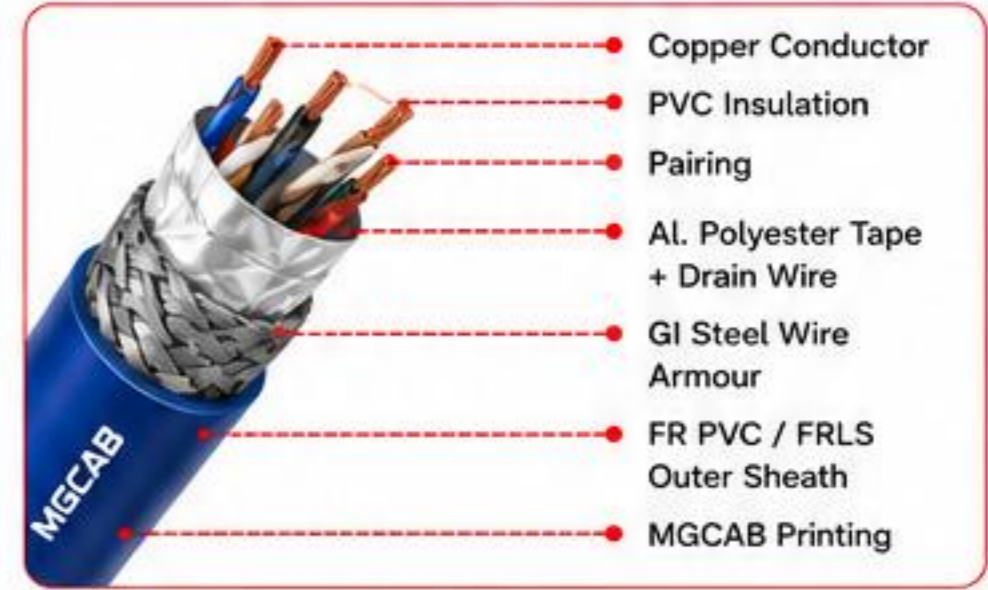
## TECHNICAL SPECIFICATION

Conductor	Annealed Copper (Class 2)
Insulation	PVC / PE
Pairing	Cores Twisted in Pairs
Shielding	Aluminium Polyester Tape + Tinned Copper Drain Wire
Armour	GI Steel Wire Armour
Outer Sheath	FR PVC / FRLS PVC
No. of Pairs	1 Pair to 50 Pairs
Voltage Grade	Up to 300 / 500 V
Temperature Range	-15°C to +70°C
Flame Retardant	FR PVC / FRLS
Packing	Wooden Drums

## SIZE & DIMENSIONS (PAIR)

No. of Pairs	Conductor Size (Sq.mm)	Conductor Construction (No./mm)	Insulation Thickness (mm)	Inner Sheath Thickness (mm)	Armour (mm)	Outer Sheath Thickness (mm)	Approx. Overall Diameter (mm)
1 Pair	0.5	16/0.20	0.45	0.8	1.0	1.4	8.0
2 Pair	0.5	16/0.20	0.45	0.8	1.0	1.4	9.5
5 Pair	0.5	16/0.20	0.45	0.9	1.0	1.5	12.5
10 Pair	0.5	16/0.20	0.45	0.9	1.2	1.6	15.5
20 Pair	0.5	16/0.20	0.45	1.0	1.2	1.7	19.0
50 Pair	0.5	16/0.20	0.45	1.0	1.4	1.9	26.5

\* Other sizes available on request.



# COPPER BMS CABLE

SMART CONNECTION. SMARTER BUILDINGS.

## APPLICATION

- Designed for Building Management Systems (BMS), HVAC, lighting & security control systems.
- Ideal for data communication & control wiring in smart buildings.
- Suitable for commercial buildings, hospitals, malls & IT parks.

## FEATURES

- 100% High Purity Copper
- Excellent Signal Transmission
- Flame Retardant
- Low Capacitance
- Easy Installation
- RoHS Compliant
- Reliable Performance



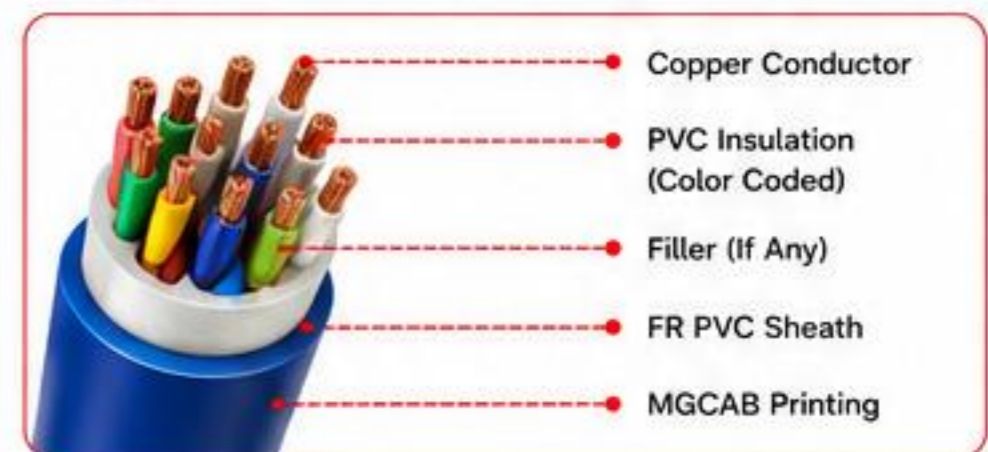
## TECHNICAL SPECIFICATION

Conductor	Annealed Copper (Class 2)
Insulation	PVC
Core Identification	Color Code / Numbered
No. of Cores	2 Core to 24 Core
Voltage Grade	300 / 500 V
Temperature Range	-15°C to +70°C
Flame Retardant	FR PVC
RoHS Compliant	Yes
Packing	100 mtrs. Coils / Wooden Drums

## SIZE & DIMENSIONS

No. of Cores	Conductor Size (Sq.mm)	Conductor Construction (No./mm)	Insulation Thickness (mm)	Sheath Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
2 Core	0.75	24/0.20	0.40	0.9	5.8	42
4 Core	0.75	24/0.20	0.40	0.9	6.3	58
6 Core	0.75	24/0.20	0.40	0.9	7.1	78
8 Core	0.75	24/0.20	0.40	1.0	8.0	98
12 Core	0.75	24/0.20	0.40	1.0	9.8	145
24 Core	0.75	24/0.20	0.50	1.1	14.0	240

\* Other sizes available on request.



HIGH SIGNAL INTEGRITY	EMI / RFI SHIELDING	FLAME RETARDANT	FLEXIBLE & DURABLE	EASY INSTALLATION	RELIABLE PERFORMANCE	ON TIME DELIVERY
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## M.G CABLE INDUSTRIES

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# ALUMINIUM ARMoured CABLE



LIGHTWEIGHT STRENGTH. **MAXIMUM RELIABILITY.**

## APPLICATION

-  Used for power distribution in industrial plants, commercial buildings, infrastructure & underground installations.
-  Suitable for indoor, outdoor, direct burial, in ducts, trenches & cable trays.
-  Provides mechanical protection and long term reliability in harsh environments.

## FEATURES

- ✓ Lightweight Aluminium Conductor
- ✓ Armoured Protection for High Safety
- ✓ Excellent Insulation with XLPE / PVC
- ✓ Corrosion & Moisture Resistant
- ✓ UV, Weather & Flame Retardant
- ✓ Easy Installation
- ✓ Reliable & Long Lasting Performance

## TECHNICAL SPECIFICATION

Standard	IS 7098 (Part-1) / IEC 60502-1
Voltage Grade	Up to 1.1 kV
Conductor	Aluminium (AAC)
Insulation	XLPE / PVC
Inner Sheath	PVC (Optional)
Armouring	Galvanized Steel Wire Armour (SWA)
Outer Sheath	PVC / FRLS PVC
No. of Cores	1 Core to 4 Core
Operating Temp.	-15°C to +70°C
Flame Retardant	FR PVC / FRLS
Packing	Wooden Drums

## SIZE & DIMENSIONS

Product Code	No. of Cores	Nominal Area (Sq.mm)	Conductor Construction (No./mm)	Insulation Thickness (mm)	Armour Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
AAC-2.5	2	2.5	7/0.67	0.7	1.25	14.8	180
AAC-4	2	4	7/0.85	0.7	1.25	15.6	215
AAC-6	2	6	7/1.04	0.7	1.25	16.8	270
AAC-10	2	10	7/1.35	0.7	1.25	18.5	380
AAC-16	3	16	7/1.70	0.7	1.60	22.0	600
AAC-25	3	25	7/2.14	0.9	1.60	25.5	780
AAC-35	3	35	7/2.52	0.9	1.60	27.8	1050
AAC-50	3	50	19/1.83	1.0	1.60	31.0	1350
AAC-70	3	70	19/2.14	1.1	1.60	34.5	1750
AAC-95	3	95	19/2.52	1.1	1.60	37.8	2250

\* Other sizes & constructions available on request.



 LIGHTWEIGHT ALUMINIUM CONDUCTOR	 STRONG ARMoured PROTECTION	 MOISTURE & CORROSION RESISTANT	 FLAME RETARDANT	 UV & WEATHER RESISTANT	 ON TIME DELIVERY
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# COPPER SHIELDED BRAIDED FRLS CABLE



SUPERIOR PROTECTION. **SAFE & RELIABLE** SIGNALS.

## APPLICATION

-  Used for control, instrumentation & signal transmission in industrial plants, automation systems, process control & machinery.
-  Provides protection against electromagnetic interference (EMI) ensuring accurate & stable signal transmission.
-  Suitable for indoor, outdoor, in ducts, cable trays & harsh environment installations.

## FEATURES

- ✓ High Purity Copper Conductor
- ✓ Copper Braid Shielding (EMI Protection)
- ✓ Flame Retardant Low Smoke (FRLS)
- ✓ Excellent Flexibility & Easy Installation
- ✓ UV, Moisture & Chemical Resistant
- ✓ Low Capacitance for Signal Integrity
- ✓ Reliable & Long Lasting Performance

## TECHNICAL SPECIFICATION

Standard	IS 1554 (Part-1) / IEC 60228
Conductor	Annealed Copper (Class 2)
Insulation	FRLS (XLPE / FRLS PVC)
Core Identification	Color Code as per Pair / Number
Shielding	Copper Braid Shielding
Outer Sheath	FRLS PVC (Black)
No. of Cores	2 Core to 61 Core
Voltage Grade	Up to 300 / 500 V
Temperature Range	-15°C to +70°C
Flame Retardant	FRLS (IEC 60332-1)
Smoke Density	Low Smoke (IEC 61034)
Packing	100 mtrs. Coils / Wooden Drums

## SIZE & DIMENSIONS

No. of Cores	Conductor Size (Sq.mm)	Conductor Construction (No./mm)	Insulation Thickness (mm)	Copper Braid Coverage (%)	Outer Sheath Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
2 Core	0.50	16/0.20	0.40	≥ 85%	1.10	6.6	65
4 Core	0.50	16/0.20	0.40	≥ 85%	1.20	7.3	90
7 Core	0.50	16/0.20	0.40	≥ 85%	1.30	8.6	130
12 Core	0.75	24/0.20	0.45	≥ 85%	1.40	10.8	195
19 Core	0.75	24/0.20	0.45	≥ 85%	1.50	12.6	270
24 Core	1.00	32/0.20	0.50	≥ 85%	1.60	14.1	345
37 Core	1.00	32/0.20	0.50	≥ 85%	1.70	16.3	465
61 Core	1.00	32/0.20	0.50	≥ 85%	1.90	19.8	720

\* Other sizes & constructions available on request.



EMI PROTECTION



HIGH SIGNAL INTEGRITY



FLAME RETARDANT LOW SMOKE



FLEXIBLE & EASY INSTALLATION



UV & WEATHER RESISTANT



ON TIME DELIVERY

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# CCTV CABLE

**CLEAR VISION. COMPLETE PROTECTION.**

MGCAB CCTV Cables are specially designed for surveillance systems to deliver high quality video transmission with reliable power supply.

## FEATURES

- High purity annealed copper conductor for better signal clarity
- Excellent shielding for protection against interference
- Combined video & power transmission in a single cable
- PVC / FRLS jacket for flame retardant & safety
- Flexible & easy to install
- Compatible with all CCTV cameras (DVR / NVR / HD / IP)

## APPLICATIONS

- Home Security Systems
- Commercial & Residential Surveillance
- Industrial & Warehouse Monitoring
- Banks, Schools, Offices & More



## TECHNICAL SPECIFICATIONS

Standard	IS 8130 : 2013	Voltage Rating (Power)	300 / 500 V
Conductor	Annealed Copper (Class 2)	Impedance (Video)	75 ± 3 Ohm
Video Conductor	Bare Copper	Capacitance	53 ± 3 pF/mtr
Insulation	PE / PVC	Temperature Range	-15°C to +70°C
Shielding	Aluminium Foil + Copper Braid	Flame Retardant	FR PVC / FRLS
Jacket	PVC / FRLS PVC	Packing	100 Mtr. Coil / Wooden Drum
Cable Marking	MGCAB CCTV CABLE (SIZE)		

## AVAILABLE TYPES

- CCTV + Power (2+1)
- CCTV + Power (2+2)
- CCTV + Power (2+3)
- Video Only Coaxial Cable



## SIZE & CONSTRUCTION DETAILS

Type	Configuration (Video + Power)	Conductor		Insulation (mm)	Shielding	Outer Jacket (mm)	Approx. Overall Diameter (mm)
		Video (mm)	Power (mm)				
MG CCTV 2+1	1 Video + 2 Power	0.50	2 x 0.50	PE / PVC	Al. Foil + Cu Braid	PVC / FRLS	5.0 ± 0.2
MG CCTV 2+2	1 Video + 2 Power	0.50	2 x 0.75	PE / PVC	Al. Foil + Cu Braid	PVC / FRLS	5.6 ± 0.2
MG CCTV 2+3	1 Video + 2 Power	0.50	2 x 0.75	PE / PVC	Al. Foil + Cu Braid	PVC / FRLS	6.2 ± 0.2
MG CCTV RG59	Coaxial (Video Only)	0.81	—	PE	Al. Foil + Cu Braid	PVC / FRLS	6.0 ± 0.2

\* Other sizes & constructions available on request.

\* All dimensions are nominal.

**HIGH SIGNAL CLARITY**

**ANTI INTERFERENCE SHIELDING**

**FLAME RETARDANT JACKET**

**FLEXIBLE & EASY INSTALLATION**

**RELIABLE & LONG LASTING**

## OUR BRANCHES

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- VIJAYWADA
- JODHPUR

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 www.mgcables.com

## M.G CABLE INDUSTRIES

3/5, MG House, Takwadi, Kalbadevi Road, Mumbai - 400002

# LIFT CABLE

**SAFE MOVEMENT. TOTAL RELIABILITY.**

MGCAB Flat Lift Cables are specially designed for vertical transportation systems. Built for high flexibility, smooth travel and long service life.

## FEATURES

-  High flexibility for continuous bending and smooth travel
-  Fine stranded annealed copper conductors for better conductivity
-  Flame retardant PVC / FRLS for maximum safety
-  Oil, moisture, abrasion and UV resistant
-  Wide temperature range for harsh environments
-  Long service life with consistent performance



## APPLICATIONS

-  Passenger Elevators
-  Hospital Elevators
-  Goods / Freight Lifts
-  Residential & Commercial Buildings
-  Escdential & Moving Walk Systems

## TECHNICAL SPECIFICATIONS

Standard	IS 14255 (Part-1) / IEC 60227-6	Operating Temp.	-15°C to +70°C
Conductor	Annealed Flexible Copper (Class 5)	Min. Bending Radius	7.5 x Cable Thickness
Insulation	PVC / FRLS	Flame Retardant	FR PVC / FRLS
Core Identification	Color Code as per Core	Oil Resistant	Yes
Sheath	Special PVC / FRLS	UV Resistant	Yes
Cable Type	Flat Travelling Cable	Packing	Wooden Drums / Coils
Voltage Grade	Up to 1100 V		

## LIFT CABLE CONSTRUCTION



## CONFIGURATION & DIMENSIONAL DATA

Configuration (No. of Cores)	Conductor Size (Sq. mm)	Nominal Thickness (mm)	Nominal Width (mm)	Approx. Weight (Kg/Km)	Min. Bending Radius (mm)	Current Carrying Capacity at 30°C (Amp.)*
4 Core	1.5	6.0 ± 0.5	24.0 ± 1.0	165	45	16
6 Core	1.5	6.0 ± 0.5	34.0 ± 1.0	230	60	16
8 Core	1.5	6.2 ± 0.5	44.0 ± 1.0	295	75	16
12 Core	1.5	6.5 ± 0.5	64.0 ± 1.0	430	110	16
16 Core	1.5	7.0 ± 0.5	84.0 ± 1.5	570	150	16
20 Core	1.5	7.2 ± 0.6	104.0 ± 1.5	720	180	16
24 Core	1.5	7.5 ± 0.6	124.0 ± 1.5	860	210	16



\* Current carrying capacity is indicative & may vary as per installation conditions.

Other sizes & constructions available on request.

## BUILT FOR SAFETY. DESIGNED TO LAST.


-  SAFE & RELIABLE
-  FLAME RETARDANT
-  HIGH FLEXIBILITY & DURABILITY
-  SMOOTH OPERATION
-  STRONG & LONG LASTING
-  WIDE TEMP. RANGE

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## M.G CABLE INDUSTRIES

-  3/5, MG House, Takwadi, Kalbadevi Road, Mumbai - 400002

# CRANE CABLE

**BUILT TO LIFT. DESIGNED TO LAST.**

MGCAB Crane Cables are specially engineered for crane and hoist applications. Designed to withstand heavy duty operations, frequent bending and tough industrial environments.

### FEATURES

-  Extra flexible for smooth movement and bending
-  High tensile strength for heavy duty use
-  Oil, grease, moisture and abrasion resistant
-  Flame retardant PVC / FRLS for maximum safety
-  Excellent resistance to UV and harsh environments
-  Long service life with reliable performance



### APPLICATIONS



EOT Cranes & Hoists



Industrial Cranes



Container Cranes



Material Handling Systems



Heavy Duty Moving Equipments

### TECHNICAL SPECIFICATIONS

Standard	IS 7098 (Part-1) / IEC 60227-6	Operating Temp.	-15°C to +70°C
Conductor	Annealed Flexible Copper (Class 5)	Min. Bending Radius	7.5 x Cable Thickness
Insulation	PVC	Flame Retardant	FR PVC / FRLS
Core Identification	Color Code as per Core	Oil Resistant	Yes
Sheath	Special PVC / FRLS	UV Resistant	Yes
Cable Type	Flat Crane Cable	Packing	Wooden Drums / Coils
Voltage Grade	Up to 1100 V		

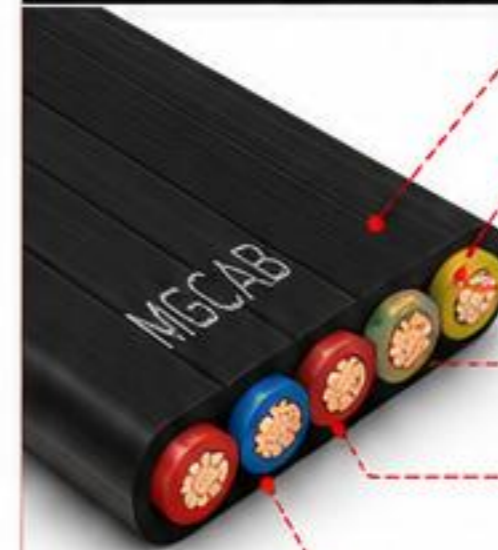
### CONFIGURATION & DIMENSIONAL DATA

No. of Cores	Conductor Size (Sq. mm)	Nominal Thickness (mm)	Nominal Width (mm)	Approx. Weight (Kg/Km)	Min. Bending Radius (mm)	Current Carrying Capacity at 30°C (Amp.)*
4 Core	1.5	6.0 ± 0.5	24.0 ± 1.0	165	45	16
5 Core	1.5	6.0 ± 0.5	30.0 ± 1.0	210	45	16
6 Core	1.5	6.0 ± 0.5	36.0 ± 1.0	255	60	16
7 Core	1.5	6.0 ± 0.5	42.0 ± 1.0	300	60	16
8 Core	1.5	6.0 ± 0.5	48.0 ± 1.0	345	60	16
10 Core	1.5	6.0 ± 0.5	60.0 ± 1.0	430	75	16
12 Core	1.5	6.0 ± 0.5	72.0 ± 1.0	515	75	16
16 Core	1.5	6.5 ± 0.5	96.0 ± 1.5	690	100	16
20 Core	1.5	6.5 ± 0.5	120.0 ± 1.5	860	100	16

\* Current carrying capacity is indicative & may vary as per installation conditions.

Other sizes & constructions available on request.

### CABLE CONSTRUCTION



- Finely Stranded Copper Conductor
- PVC Insulation (Color Coded)
- Filler (If Required)
- FRLS PVC Inner Sheath
- FRLS PVC Outer Sheath
- MGCAB Printing

### ENGINEERED FOR SAFE & RELIABLE OPERATIONS



SAFE & RELIABLE



FLAME RETARDANT



HIGH FLEXIBILITY & DURABILITY



SMOOTH OPERATION



LONG SERVICE LIFE

### OUR BRANCHES

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### M.G CABLE INDUSTRIES

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# RUBBER CABLE







**FLEXIBLE. DURABLE. BUILT TO PERFORM.**

MGCAB Rubber Cables are engineered for maximum flexibility, excellent mechanical strength and superior performance in harsh working conditions.

### FEATURES

-  Highly flexible for easy installation & movement
-  Excellent mechanical strength & tear resistance
-  Oil, grease, water & abrasion resistant
-  Flame retardant PVC / PCP rubber insulation
-  Withstands high & low temperature
-  Long service life with reliable performance

### APPLICATIONS

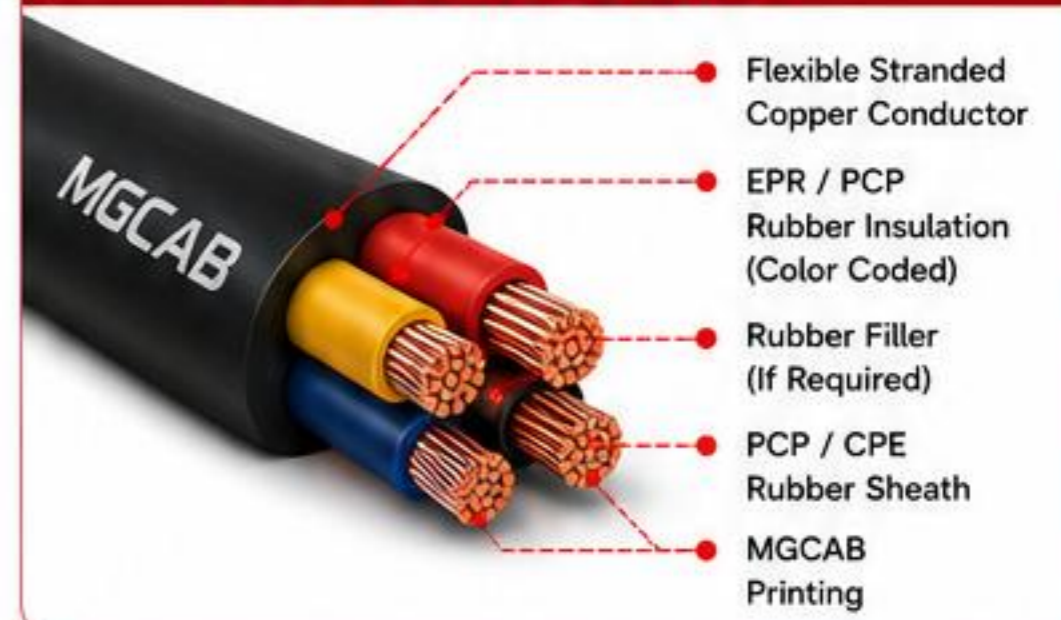
-  Industries & Manufacturing Plants
-  Welding Machines
-  Cranes & Hoists
-  Generators
-  Portable Tools
-  Material Handling Equipment



### TECHNICAL SPECIFICATIONS

Standard	IS 9968 (Part-1) / IEC 60245-4	Operating Temp.	-25°C to +85°C
Conductor	Annealed Flexible Copper (Class 5)	Min. Bending Radius	6 x Overall Diameter
Insulation	EPR / PCP Rubber	Flame Retardant	FR PCP / CPE
Core Identification	Color Code as per IS	Oil Resistant	Yes
Sheath	PCP / CPE Rubber	Water Resistant	Yes
Voltage Grade	Up to 1100 V	Packing	Coils / Wooden Drums

### CABLE CONSTRUCTION



### SIZE & DIMENSIONS

No. of Cores	Nominal Area (Sq.mm)	No. of Strands	Insulation Thickness (mm)	Sheath Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Max. Conductor Resistance at 20°C (Ω/Km)
2 Core	1.0	32/0.20	0.8	1.2	10.8	180	18.1
	1.5	30/0.25	0.8	1.2	12.2	230	12.1
	2.5	50/0.25	1.0	1.4	14.2	350	7.41
3 Core	1.0	32/0.20	0.8	1.2	11.5	210	18.1
	1.5	30/0.25	0.8	1.2	13.0	270	12.1
	2.5	50/0.25	1.0	1.4	15.0	410	7.41
4 Core	1.0	32/0.20	0.8	1.4	12.5	250	18.1
	1.5	30/0.25	0.8	1.4	14.2	330	12.1
	2.5	50/0.25	1.0	1.6	16.5	500	7.41

\* Other sizes & constructions available on request.

### RELIABLE IN EVERY CONDITION

-  OIL & WATER RESISTANT
-  FLAME RETARDANT
-  HIGH FLEXIBILITY & DURABILITY
-  WIDE TEMP. RANGE
-  SAFE & RELIABLE
-  LONG SERVICE LIFE

### OUR BRANCHES

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### M.G CABLE INDUSTRIES

- 3/5, MG House, Takwadi, Kalbadevi Road, Mumbai - 400002

# GI CABLE TRAY

**STRONG. RELIABLE. BUILT TO SUPPORT.**







MGCAB GI Cable Trays are manufactured from high quality galvanized steel to provide strong mechanical support and safe cable management in all industrial & commercial installations.



## FEATURES

-  Manufactured from high quality GI steel sheet
-  Excellent load carrying capacity & impact resistance
-  Corrosion resistant with hot dip galvanized finish
-  Smooth edges & safe design for easy cable installation
-  Perforated design for better ventilation & drainage
-  Easy to install, modify & maintain
-  Long service life with low maintenance

## APPLICATIONS

 Industrial Plants	 Commercial Buildings	 Power Plants	 Oil & Gas Industries	 Railways & Metro	 Data Centers & IT Installations
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## TECHNICAL SPECIFICATIONS

Material	Galvanized Steel (GI)	Type	Perforated / Ladder / Solid Bottom
Standard	IS 277 : 2003 / IEC 61537	Material Grade	CRCA / HRPO
Thickness	1.2 mm / 1.6 mm / 2.0 mm	Slot Type	Round / Oblong
Finish	Hot Dip Galvanized	Length	2500 mm / 3000 mm
Coating	Zinc Coating (80 - 100 Micron)	Width	50 mm to 1000 mm
Side Rail Height	25 mm / 50 mm / 75 mm / 100 mm	Accessories	Bends, Tees, Cross, Reducers, Couplers, Covers, Clamps etc.
Load Carrying Capacity	Heavy Duty	Installation	Wall Mounting / Ceiling Suspension
Temperature Range	-20°C to +300°C	Application	Indoor / Outdoor

## DIMENSIONAL DATA (Perforated Cable Tray)

Side Rail Height (mm)	Thickness (mm)	Standard Width (mm)										
		50	75	100	150	200	300	450	600	750	900	1000
25	1.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50	2.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
75	1.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\* Other sizes available on request.

## AVAILABLE TYPES

	<b>PERFORATED CABLE TRAY</b>
	<b>LADDER CABLE TRAY</b>
	<b>SOLID BOTTOM CABLE TRAY</b>

## ADVANTAGES

- ✓ High Strength & Durability
- ✓ Superior Corrosion Resistance
- ✓ Better Ventilation for Cables
- ✓ Safe & Secure Cable Support
- ✓ Neat & Organized Installation
- ✓ Cost Effective Solution
- ✓ Easy Expansion & Modification
- ✓ Complies with International Standards



HIGH STRENGTH



CORROSION RESISTANT



EASY TO INSTALL



HEAVY DUTY PERFORMANCE



LOW MAINTENANCE




SAFE & RELIABLE

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## M.G CABLE INDUSTRIES

 3/5, MG House, Takwadi, Kalbadevi Road, Mumbai - 400002

# SS CABLE TRAY

**DURABLE. CORROSION RESISTANT. BUILT TO LAST.**

MGCAB SS Cable Trays are manufactured from premium grade stainless steel for superior corrosion resistance, strength and long service life. Ideal for harsh, hygienic and high performance environments.



## FEATURES

-  Manufactured from high grade Stainless Steel (SS 304 / SS 316)
-  Excellent corrosion & rust resistance
-  High load bearing capacity & impact strength
-  Smooth edges & perforated design for ventilation
-  Easy to install, modify & maintain
-  Long service life with low maintenance

## APPLICATIONS



Chemical Plants



Food & Pharma Industry



Oil & Gas Industry



Marine Applications



Power Plants



Commercial Buildings



Data Centers & IT Installations

## SS PERFORATED CABLE TRAY



## SS LADDER CABLE TRAY



## ACCESSORIES & BENDS



90° BEND



HORIZONTAL TEE



CROSS



REDUCER



COUPLER



SUPPORT BRACKET

## TECHNICAL SPECIFICATIONS

Material	Stainless Steel (SS 304 / SS 316)	Side Rail Height	25 mm / 50 mm / 75 mm / 100 mm
Standard	IS 277 : 2003 / IEC 61537	Width	50 mm to 1000 mm
Finish	2B / BA Finish	Length	2500 mm / 3000 mm
Thickness	1.2 mm / 1.6 mm / 2.0 mm	Types	Perforated / Ladder / Solid Bottom
Material Grade	SS 304 / SS 316	Installation	Wall Mounting / Ceiling Suspension
Load Carrying Capacity	Light / Medium / Heavy Duty	Application	Indoor / Outdoor
		Temperature Range	-50°C to +600°C

## DIMENSIONAL DATA (Perforated SS Cable Tray)

Side Rail Height (mm)	Thickness (mm)	Standard Width (mm)										
		50	75	100	150	200	300	450	600	750	900	1000
25	1.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50	1.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
75	1.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100	2.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\* Other sizes, thickness & constructions available on request.

## WHY CHOOSE SS CABLE TRAY?



SUPERIOR CORROSION RESISTANCE



HIGH STRENGTH & DURABILITY



HYGIENIC & EASY TO CLEAN






LONG SERVICE LIFE




LOW MAINTENANCE COST

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## M.G CABLE INDUSTRIES

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# WIRE MESH TRAY

**LIGHTWEIGHT. VENTILATED. BUILT TO PERFORM.**

MGCAB Wire Mesh Trays provide a lightweight, high strength and cost effective solution for cable management. The open wire design ensures maximum ventilation, easy installation and quick maintenance.



## FEATURES

-  Open mesh design for maximum ventilation
-  Lightweight yet high load bearing capacity
-  Corrosion resistant with various protective finishes
-  Easy to install, modify and maintain
-  Rounded edges for cable protection
-  Cost effective solution with long service life

## APPLICATIONS



Commercial Buildings



Data Centers & IT Rooms



Industrial Plants



Hospitals



Airports



Power Plants



Retail Spaces

## WIRE MESH TRAY



## WIRE MESH TRAY WITH DIVIDER



## BENDS & FITTINGS



90° HORIZONTAL BEND



HORIZONTAL TEE



HORIZONTAL CROSS



REDUCER



VERTICAL INSIDE BEND



VERTICAL OUTSIDE BEND



COUPLER



END PLATE

## TECHNICAL SPECIFICATIONS

 Material	Mild Steel / Stainless Steel 304 / 316	 Side Rail Height	35 mm / 50 mm / 75 mm / 100 mm
 Wire Diameter	4.0 mm / 5.0 mm / 6.0 mm	 Tray Width	50 mm to 600 mm
 Mesh Size	50 x 100 mm 100 x 100 mm	 Tray Length	2500 mm / 3000 mm
 Finish	Electro Galvanized (GI) Hot Dip Galvanized (HDG) Stainless Steel (SS 304 / SS 316) Powder Coated (Custom Colour)	 Load Capacity	Light / Medium / Heavy Duty
		 Installation	Wall Mounted / Ceiling Suspended
		 Application	Indoor / Outdoor
		 Temperature Range	-40°C to +150°C

## DIMENSIONAL DATA (Wire Mesh Tray)

Side Rail Height (mm)	Wire Diameter (mm)	Standard Width (mm)						
		50	100	150	200	300	450	600
35	4.0	✓	✓	✓	✓	✓	✓	✓
50	4.0 / 5.0	✓	✓	✓	✓	✓	✓	✓
75	4.0 / 5.0 / 6.0	✓	✓	✓	✓	✓	✓	✓
100	5.0 / 6.0	✓	✓	✓	✓	✓	✓	✓

\* Other sizes, thickness & finishes available on request.

## WHY CHOOSE MGCAB WIRE MESH TRAY?



MAXIMUM VENTILATION



LIGHTWEIGHT & STRONG



CORROSION RESISTANT



QUICK INSTALLATION




COST EFFECTIVE

## OUR BRANCHES


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## M.G CABLE INDUSTRIES

 3/5, MG House, Takwadi, Kalbadevi Road, Mumbai - 400002

## FRP CABLE TRAY

**STRONG. LIGHTWEIGHT. CORROSION FREE.**

MGCAB FRP Cable Trays are manufactured from high quality Fiberglass Reinforced Plastic, designed for durability, high strength and excellent resistance to corrosion, chemicals and harsh environments. Ideal for long lasting and maintenance free cable management.



FRP CABLE TRAY (RED)

FRP CABLE TRAY (YELLOW)

### FEATURES

-  Corrosion & chemical resistant
-  Lightweight yet high strength
-  Non-conductive & electrical insulating
-  UV resistant – suitable for outdoor use
-  Fire retardant & self extinguishing
-  Low maintenance & long service life
-  Easy to install & cost effective

### APPLICATIONS



Chemical Plants



Petrochemical Industries



Water & Waste Water Plants



Oil & Gas Industries



Power Plants



Food & Beverage Industries



Commercial Buildings

POWDER COATED CABLE TRAY (RED)



POWDER COATED LADDER TRAY (RED)



POWDER COATED CABLE TRAY (YELLOW)



POWDER COATED LADDER TRAY (YELLOW)



### FRP BENDS & FITTINGS (RED & YELLOW)



90° HORIZONTAL BEND



HORIZONTAL TEE



HORIZONTAL CROSS



REDUCER



VERTICAL INSIDE BEND



VERTICAL OUTSIDE BEND



END PLATE



COUPLER



### TECHNICAL SPECIFICATIONS (FRP)

<b>A</b> Material	Fiberglass Reinforced Polyester (FRP)	<b>A</b> UV Resistance	Yes
<b>R</b> Reinforcement	E-Glass Fiber	<b>R</b> Electrical Properties	Non-Conductive
<b>A</b> Resin Type	Isophthalic Polyester Resin	<b>A</b> Chemical Resistance	Excellent (Acids, Alkalis, Salts, Oils, etc.)
<b>A</b> Color	Red / Yellow	<b>R</b> Standard Length	2500 mm / 3000 mm
<b>A</b> Load Capacity	Light / Medium / Heavy Duty	<b>R</b> Standard Width	50 mm to 600 mm
<b>A</b> Temperature Range	-40°C to +120°C	<b>R</b> Side Rail Height	25 mm / 50 mm / 75 mm / 100 mm
<b>R</b> Flammability	Self Extinguishing (UL 94 - V0)	<b>R</b> Thickness	3.0 mm / 4.0 mm / 5.0 mm / 6.0 mm

### FRP CABLE TRAY SIZE CHART (Perforated & Ladder Type)

Side Rail Height (mm)	Thickness (mm)	Standard Width (mm)							
		50	100	150	200	300	450	600	
25	3.0	✓	✓	✓	✓	✓	✓	✓	
50	4.0	✓	✓	✓	✓	✓	✓	✓	
75	5.0	✓	✓	✓	✓	✓	✓	✓	
100	6.0	✓	✓	✓	✓	✓	✓	✓	

\* Other sizes, thickness & constructions available on request.


### ACCESSORIES (FRP & POWDER COATED)



### WHY CHOOSE MGCAB FRP CABLE TRAY?


-  CORROSION FREE
-  LIGHTWEIGHT & STRONG
-  NON CONDUCTIVE
-  EASY TO INSTALL
-  LONG SERVICE LIFE
-  COST EFFECTIVE

### OUR BRANCHES


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### M.G CABLE INDUSTRIES

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# MAYA EARTHING PRODUCTS

**SAFE GROUNDING. COMPLETE PROTECTION.**

MAYA Earthing Products are engineered to deliver reliable and effective earthing solutions for protection of electrical systems, equipment and structures from fault currents, lightning and static electricity.



- ### FEATURES
-  High conductivity for efficient earthing
  -  Corrosion resistant for long service life
  -  Reliable protection from electrical faults
  -  Easy to install & maintain
  -  Complies with IS / IEC standards
  -  Suitable for all types of soil conditions

- ### APPLICATIONS
-  Residential Buildings
  -  Industrial Plants
  -  Power Substations
  -  Telecom Towers
  -  Data Centers & IT Parks
  -  Solar Power Plants
  -  Airports
  -  Railways
  -  Petroleum & Refineries

### OUR MAYA EARTHING PRODUCTS

<b>GI EARTHING PIPE</b> 	<b>COPPER BONDED EARTHING ROD</b> 	<b>EARTHING PLATE</b> 	<b>EARTHING CLAMP</b> 	<b>EARTHING STRIP</b> 
<b>EARTHING WIRE</b> 	<b>GI EARTHING ROD</b> 	<b>CHEMICAL EARTHING ENHANCEMENT COMPOUND</b> 	<b>CABLE TO ROD CLAMP</b> 	<b>BRAIDED COPPER FLEXIBLE CONNECTOR</b> 

### TECHNICAL SPECIFICATIONS

Parameter	Specification
Material	GI / Copper Bonded Steel / Copper / Brass
Standards	IS 3043, IS 732, IEC 62561, IEC 62305
Rod Diameter	12.5 mm, 16 mm, 20 mm (Other sizes on request)
Rod Length	1.5 m, 2.0 m, 2.5 m, 3.0 m (Custom lengths available)
Earthing Plate Size	150 x 150 mm, 300 x 300 mm, 600 x 600 mm (Custom sizes available)
Earthing Strip Size	25 x 3 mm, 25 x 6 mm, 50 x 6 mm (Other sizes available)
Wire Size	8 SWG to 6 SWG (Copper)
Coating (GI)	Hot Dip Galvanised (70 - 80 Micron)
Copper Purity	99.9% Pure Electrolytic Copper
Application	Indoor / Outdoor / Substation / Industrial / Commercial
Soil Resistivity	Effective in all types of soil conditions
Quality Assurance	100% Tested for Quality & Performance






- ### ACCESSORIES
-  TEST LINK
  -  EXOTHERMIC WELDING KIT
  -  EARTHING TAG
  -  EARTHING PIT COVER
  -  EARTHING INSPECTION PIT
  -  EARTHING CHAMBER
  -  EARTHING BACK FILL SALT
  -  BITUMINOUS PAINT
  -  GROUNDING ROD DRIVER

- ### WHY CHOOSE MAYA EARTHING PRODUCTS?
-  SUPERIOR SAFETY
  -  HIGH CONDUCTIVITY
  -  CORROSION RESISTANT
  -  EASY INSTALLATION
  -  LONG SERVICE LIFE
  -  COST EFFECTIVE

### OUR BRANCHES

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### MAYA EARTHING INDUSTRIES

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# JOINTING KITS

## 3M / RAYCHEM

**RELIABLE CONNECTION. MAXIMUM PROTECTION.**

High performance jointing solutions for LV, MV & HV cables that ensure safe, durable & moisture resistant connections for power cables in industrial, commercial & infrastructure applications.



### FEATURES

- Moisture & waterproof sealing
- High dielectric strength
- UV & chemical resistant
- Excellent mechanical protection
- Easy & quick installation
- Long service life & maintenance free
- Complies with IEC / IS standards
- Suitable for indoor, outdoor & underground applications

### 3M JOINTING KITS

TRUSTED. TESTED. PROVEN.

#### 3M LV JOINTING KIT (Upto 1.1 kV)



- For PVC / XLPE Cables
- 1.1 kV Grade
- Indoor / Outdoor Use

#### 3M MV JOINTING KIT (1.1 kV to 33 kV)



- Heat Shrink Technology
- Excellent Insulation
- Moisture Sealing

#### 3M HV JOINTING KIT (33 kV to 66 kV)



- High Voltage Application
- Stress Control Technology
- Reliable & Durable

#### 3M COLD SHRINK JOINTING KIT



- Easy Installation
- No Heat or Flame
- Consistent Performance

### RAYCHEM JOINTING KITS

ADVANCED TECHNOLOGY. SUPERIOR PERFORMANCE.

#### RAYCHEM LV JOINTING KIT (Upto 1.1 kV)



- For PVC / XLPE Cables
- 1.1 kV Grade
- Indoor / Outdoor Use

#### RAYCHEM MV JOINTING KIT (1.1 kV to 33 kV)



- Heat Shrink Technology
- Moisture & Chemical Resistant
- High Reliability

#### RAYCHEM HV JOINTING KIT (33 kV to 66 kV)



- High Voltage Insulation
- Stress Control & Shielding
- Long Term Performance

#### RAYCHEM COLD SHRINK JOINTING KIT



- Easy & Safe Installation
- No Heat / No Tools
- High Performance Sealing

### APPLICATIONS



Power Plants



Industrial Facilities



Utilities & Substations



Infrastructure Projects



Railways & Metro



Petrochemical Plants



Commercial Buildings



Oil & Gas Industries

### TECHNICAL SPECIFICATIONS

Parameter	LV (Upto 1.1 kV)	MV (1.1 kV - 33 kV)	HV (33 kV - 66 kV)
Voltage Grade	Upto 1.1 kV	1.1 kV to 33 kV	33 kV to 66 kV
Cable Type	PVC / XLPE	XLPE / PILC	XLPE / PILC
Installation	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Technology	Heat Shrink / Cold Shrink	Heat Shrink	Heat Shrink
Operating Temp.	-40°C to +105°C	-40°C to +120°C	-40°C to +120°C
Standards	IEC 60502, IS 13573, BS EN, IEEE	IEC 60502, IS 13573, BS EN, IEEE	IEC 60502, IS 13573, BS EN, IEEE

### WHY CHOOSE MG JOINTING KITS?



PREMIUM QUALITY



HIGH RELIABILITY



EXCELLENT INSULATION



EASY INSTALLATION



WIDE RANGE



LONG SERVICE LIFE



COST EFFECTIVE

#### NOTE

Available in various sizes & configurations as per cable type & project requirements. Custom solutions available on request.

#### AVAILABLE BRANDS

**3M**

**Raychem**

### OUR BRANCHES

- MUMBAI
- VIZAG
- VIJAYWADA
- JODHPUR



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# MGCAB

WIRE & CABLE



www.mgcables.com



## TELEPHONE CABLE

CLEAR COMMUNICATION.  
RELIABLE CONNECTIVITY.

### APPLICATION

- Telephone exchange systems
- Intercom & EPABX installations
- Data & voice communication networks
- Residential & commercial buildings

### FEATURES

- High conductivity copper conductor
- Low attenuation signal transmission
- Twisted pair construction
- Flexible & easy installation
- Long service life



### TECHNICAL SPECIFICATION

Conductor	Annealed Copper (Plain)
Insulation	PE
Pairing	Twisted Pair
Color Code	As per Standard
Core Identification	Color Code as per Pair
Sheath	PVC (FRLS Optional)
No. of Pairs	5 Pair to 300 Pair
Voltage Grade	Up to 300 V
Temperature Range	-15°C to +70°C
Flame Retardant	FR PVC / FRLS
Packing	100 mtrs. Coils / Wooden Drums

## CAT-6 ARMoured CABLE

HIGH SPEED DATA. MAXIMUM PROTECTION.

### APPLICATION

- LAN networking
- Data centers
- CCTV & IP surveillance
- Industrial Ethernet networks

### FEATURES

- Gigabit data transmission
- Armoured mechanical protection
- Low signal loss
- EMI/RFI resistance
- Indoor & outdoor installation



### TECHNICAL SPECIFICATION

Standard	TIA / EIA 568B.2-1 (CAT-6)
Conductor	Annealed Copper (Bare)
Conductor Size	24 AWG (0.51 mm)
Insulation	HDPE
Pairing	4 Pair Twisted (Cross Filler)
Overall Shield	Aluminium Foil
Armouring	Galvanized Steel Wire Armour
Outer Sheath	PVC / FRLS PVC (Black)
Data Rate	Up to 1 Gbps / 250 MHz
Temperature Range	-20°C to +75°C
Packing	305 mtrs. / 500 mtrs. Wooden Drums

## JELLY FILLED ARMoured CABLE

MOISTURE PROTECTION. RELIABLE PERFORMANCE.

### APPLICATION

- Underground telecom networks
- Outdoor communication systems
- Long distance signal transmission
- Harsh environmental conditions

### FEATURES

- Jelly filled moisture barrier
- Armoured protection
- High tensile strength
- Water resistant construction
- Long service life



### TECHNICAL SPECIFICATION

Conductor	Annealed Copper (Plain)
Insulation	PE
Pairing	Twisted Pair
Jelly Filling	Petroleum Jelly Compound
Armouring	Galvanized Steel Wire Armour
Outer Sheath	PE (Black / Grey)
No. of Pairs	5 Pair to 100 Pair
Voltage Grade	Up to 250 V
Temperature Range	-20°C to +70°C
Water Blocking	Yes
Packing	100 mtrs. Coils / Wooden Drums



HIGH SIGNAL INTEGRITY



EXCELLENT SHIELDING



FLAME RETARDANT LOW SMOKE



MOISTURE & CORROSION RESISTANT



FLEXIBLE & EASY INSTALLATION



UV & WEATHER RESISTANT



ON TIME DELIVERY

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STRONG CABLES. SAFE CONNECTIONS. SECURE FUTURE.

20



## 01 FIBER OPTIC ARMoured CABLE

HIGH SPEED DATA.  
MAXIMUM PROTECTION.



### APPLICATIONS

- Outdoor fiber backbone networks
- Industrial communication systems
- Telecom infrastructure
- Underground installations

### FEATURES

- Steel tape/wire armouring
- High bandwidth transmission
- EMI/RFI immune
- Moisture & rodent resistant
- Long service life

### TECHNICAL SPECIFICATION

Fiber Type	Single Mode (G.652D)
Fiber Count	2 Core to 144 Core
Loose Tube Material	PBT (Gel Filled)
Strength Member	FRP (Fiber Reinforced Plastic)
Armouring	Steel Tape / Steel Wire
Outer Sheath	PE / HDPE (Black)
Crush Resistance	>3000 N / 100 mm
Tensile Strength	>6000 N
Operating Temp.	-40°C to +70°C
Installation	Outdoor / Underground
Min. Bend Radius	20 x Cable Diameter

## 02 FIBER MULTIMODE ARMoured CABLE

RELIABLE CONNECTIVITY.  
FASTER COMMUNICATION.



### APPLICATIONS

- Data centers
- LAN backbone networks
- CCTV & surveillance systems
- Campus Networking

### FEATURES

- OM2 / OM3 / OM4 multimode fiber
- Armoured protection
- Low attenuation
- Easy installation
- High performance data transfer

### TECHNICAL SPECIFICATION

Fiber Type	Multimode (OM2 / OM3 / OM4)
Fiber Count	2 Core to 144 Core
Loose Tube Material	PBT (Gel Filled)
Strength Member	FRP (Fiber Reinforced Plastic)
Armouring	Steel Wire Armoured
Outer Sheath	LSZH / FRLS (Black)
Crush Resistance	>3000 N / 100 mm
Tensile Strength	>5000 N
Operating Temp.	-20°C to +70°C
Installation	Indoor / Outdoor
Min. Bend Radius	15 x Cable Diameter

## 03 FIBER UNARMoured CABLE

LIGHTWEIGHT DESIGN.  
FLEXIBLE INSTALLATION.



### APPLICATIONS

- Indoor networking
- FTTH installations
- Building communication systems
- Telecom networks

### FEATURES

- Lightweight construction
- Flexible routing
- Low signal loss
- High bandwidth capacity
- Cost-effective solution

### TECHNICAL SPECIFICATION

Fiber Type	Single Mode / Multimode
Fiber Count	2 Core to 48 Core
Loose Tube Material	PBT (Gel Filled)
Strength Member	FRP / Aramid Yarn
Armouring	None
Outer Sheath	LSZH / FRLS (Black/White)
Crush Resistance	>1000 N / 100 mm
Tensile Strength	>2000 N
Operating Temp.	-20°C to +70°C
Installation	Indoor
Min. Bend Radius	10 x Cable Diameter

## 04 ALL FIBER NETWORK CABLES

FUTURE READY. ULTRA FAST CONNECTIVITY.

### OUR RANGE INCLUDES

- Single Mode Fiber Cable
- Multimode Fiber Cable
- Armoured Fiber Cable
- Unarmoured Fiber Cable
- ADSS Fiber Cable
- FTTH Drop Cable
- OFC Indoor / Outdoor Cable
- Ribbon Fiber Cable



**HIGH BANDWIDTH**  
Ultra fast data transmission

**LOW ATTENUATION**  
Clear & stable signals

**EMI / RFI IMMUNE**  
Interference free performance

**MOISTURE RESISTANT**  
Superior gel protection

**LONG SERVICE LIFE**  
Durable & reliable

**PREMIUM QUALITY**

**HIGH PERFORMANCE RELIABILITY**

**FLAME RETARDANT FRLS / LSZH**

**EASY INSTALLATION**

**GLOBAL STANDARD COMPLIANCE**

**EXPERT SUPPORT**

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## 22 CCTV & COAXIAL CABLE



**SECURE TODAY  
SAFER TOMORROW**

### 01 CCTV CABLE

CLEAR SURVEILLANCE. RELIABLE SECURITY.



#### APPLICATIONS

- CCTV camera installations
- Security monitoring systems
- Commercial & residential buildings
- Industrial surveillance networks

#### FEATURES

- Pure copper conductor
- Low signal loss
- Weather resistant sheath
- Easy installation
- Long service life

#### TECHNICAL SPECIFICATION

Conductor	Annealed Copper
Insulation	PE
Shielding	Aluminium Foil + Copper Braid
Voltage Grade	Up to 300V
Temperature	-20°C to +70°C
Outer Sheath	PVC / FRLS
Packing	100 Mtrs. Coil

### 02 RG-6 COAXIAL CABLE

HIGH QUALITY VIDEO. STABLE TRANSMISSION.



#### APPLICATIONS

- Cable TV networks
- CCTV surveillance
- Satellite TV systems
- Broadband communication

#### FEATURES

- Low attenuation
- High frequency performance
- Excellent shielding
- UV resistant
- Indoor & outdoor use

#### TECHNICAL SPECIFICATION

Conductor	Copper Clad Steel / Copper
Dielectric	Gas Injected Foam PE
Shielding	Aluminium Foil + Braid
Impedance	75 Ohm
Frequency Range	Up to 3 GHz
Outer Sheath	PVC / PE
Packing	100 / 305 Mtrs.

### 03 RG-11 COAXIAL CABLE

LONGER DISTANCE. BETTER PERFORMANCE.



#### APPLICATIONS

- Long distance CCTV
- CATV distribution
- Broadband backbone networks
- Outdoor communication systems

#### FEATURES

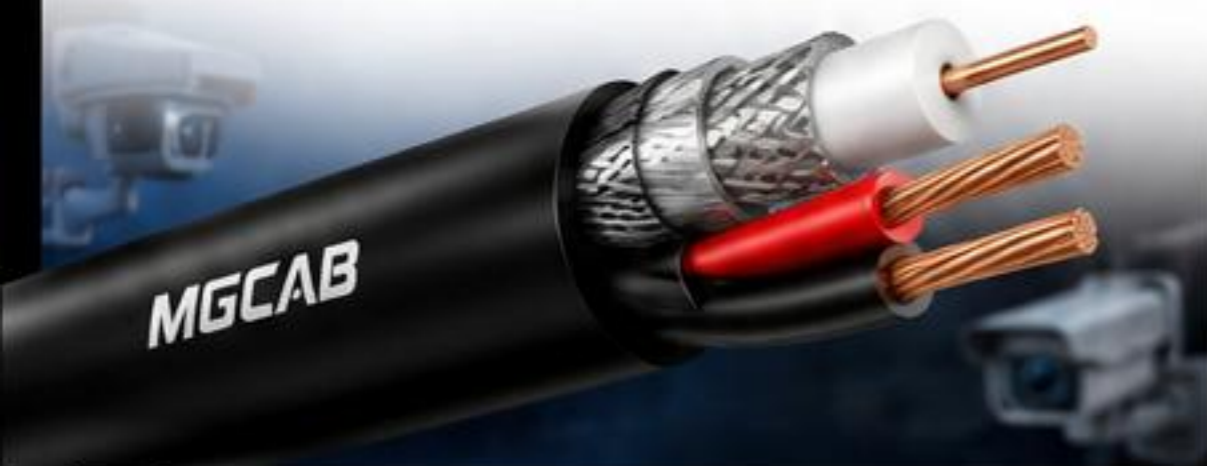
- Lower attenuation than RG-6
- Long transmission distance
- High signal integrity
- Moisture resistant
- Heavy-duty construction

#### TECHNICAL SPECIFICATION

Conductor	Copper Clad Steel
Dielectric	Foam PE
Shielding	Aluminium Foil + Braid
Impedance	75 Ohm
Frequency Range	Up to 3 GHz
Outer Sheath	PE / PVC
Packing	Wooden Drum / Coil

### 04 CCTV + POWER COMBINED CABLE

VIDEO & POWER. ONE CABLE SOLUTION.



#### APPLICATIONS

- CCTV camera systems
- Security surveillance projects
- Commercial installations
- Industrial monitoring systems

#### FEATURES

- Video + Power in single cable
- Easy wiring installation
- Reduced installation cost
- High signal quality
- Durable construction

#### TECHNICAL SPECIFICATION

Video Cable	RG-59 / RG-6
Power Cable	2 Core Copper
Insulation	PE / PVC
Shielding	Aluminium Foil + Braid
Voltage Grade	Up to 300V
Outer Sheath	PVC / FRLS
Packing	90 / 100 Mtrs. Coil



HIGH SIGNAL INTEGRITY



EMI PROTECTION



UV RESISTANT



WEATHER RESISTANT



EASY INSTALLATION



ON TIME DELIVERY

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# 23 LAN CABLE SERIES

HIGH PERFORMANCE. **RELIABLE CONNECTIONS.**



## 01 CAT-5e CABLE

COST EFFECTIVE. **RELIABLE NETWORKING.**



### APPLICATIONS

- LAN & Ethernet networks
- Office cabling
- Voice & data transmission
- IP surveillance systems
- Home & commercial networks

### FEATURES

- High speed data transfer
- Excellent performance
- Low attenuation
- Flexible & easy to install
- RoHS compliant

### TECHNICAL SPECIFICATION

Category	CAT-5e
Conductor	Annealed Copper
Conductor Size	24 AWG
Pairs	4 Pair (Twisted)
Insulation	HDPE
Sheath	PVC / FRLS
Bandwidth	Up to 100 MHz
Speed	Up to 1 Gbps
Standard	TIA / EIA 568-B.2
Packing	305 Mtrs. Box

## 02 CAT-6 CABLE

HIGH SPEED. **STABLE PERFORMANCE.**



### APPLICATIONS

- Gigabit Ethernet networks
- Data centers
- VoIP & IP telephony
- CCTV & security systems
- High speed data networks

### FEATURES

- High bandwidth performance
- Better crosstalk protection
- High speed transmission
- Durable & long lasting
- RoHS compliant

### TECHNICAL SPECIFICATION

Category	CAT-6
Conductor	Annealed Copper
Conductor Size	23 AWG
Pairs	4 Pair (Twisted)
Insulation	HDPE
Sheath	PVC / FRLS
Bandwidth	Up to 250 MHz
Speed	Up to 1 Gbps
Standard	TIA / EIA 568-B.2
Packing	305 Mtrs. Box

## 03 CAT-6A CABLE

10 GIGABIT SPEED. **FUTURE READY.**



### APPLICATIONS

- 10G Ethernet networks
- Data centers
- Server rooms
- High speed communication
- Industrial networking

### FEATURES

- 10 Gigabit performance
- 500 MHz bandwidth
- Better alien crosstalk protection
- High noise immunity
- RoHS compliant

### TECHNICAL SPECIFICATION

Category	CAT-6A
Conductor	Annealed Copper
Conductor Size	23 AWG
Pairs	4 Pair (Twisted)
Insulation	HDPE
Shielding	Aluminium Foil (Pair Shielded)
Sheath	LSZH / FRLS
Bandwidth	Up to 500 MHz
Speed	Up to 10 Gbps
Standard	TIA / EIA 568-B.2
Packing	305 Mtrs. Box

## 04 OUTDOOR LAN CABLE

BUILT TO WITHSTAND. **MADE FOR OUTDOORS.**



### APPLICATIONS

- Outdoor networking
- IP surveillance systems
- Wireless access points
- Campus networks
- Industrial & building installations

### FEATURES

- UV resistant
- Weather resistant
- Moisture resistant
- High tensile strength
- Long outdoor service life

### TECHNICAL SPECIFICATION

Category	Outdoor LAN Cable
Conductor	Annealed Copper
Conductor Size	23 AWG
Pairs	4 Pair (Twisted)
Insulation	HDPE
Sheath	PE (UV Stabilized)
Temperature	-20°C to +70°C
Application	Outdoor / Direct Buried
Packing	305 Mtrs. Reel / Box



HIGH SPEED PERFORMANCE



EMI / RFI PROTECTION



LOW SIGNAL LOSS



UV RESISTANT



WEATHER RESISTANT

EASY INSTALLATION



ON TIME DELIVERY

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## 24 SOLAR CABLE SERIES

POWERING A GREENER TOMORROW.

### 01 SOLAR DC CABLE

MAXIMUM EFFICIENCY. RELIABLE SOLAR POWER.



#### APPLICATIONS

- Solar PV modules
- Solar power plants
- Rooftop solar systems
- Renewable energy projects

#### FEATURES

- UV Resistant
- Weather Resistant
- Halogen Free
- Flame Retardant
- Long Service Life

#### TECHNICAL SPECIFICATION

Conductor	Tinned Copper
Insulation	XLPO
Voltage Grade	1.5 kV DC
Temperature	-40°C to +90°C
Standard	EN 50618 / IEC 62930
Outer Sheath	XLPO
Colour	Black / Red

### 02 SOLAR AC CABLE

SAFE TRANSMISSION. EFFICIENT DISTRIBUTION.



#### APPLICATIONS

- Inverter to Grid Connection
- Solar Distribution Panels
- Power Transmission
- Industrial Solar Systems

#### FEATURES

- High Conductivity
- UV Resistant
- FRLS Sheath
- Durable Construction
- Easy Installation

#### TECHNICAL SPECIFICATION

Conductor	Copper / Aluminium
Insulation	XLPE
Voltage Grade	1.1 kV
Temperature	-15°C to +90°C
Standard	IS 7098
Outer Sheath	FRLS PVC
Colour	Black

### 03 SOLAR EXTENSION CABLE

FLEXIBLE CONNECTION. RELIABLE PERFORMANCE.



#### APPLICATIONS

- Solar Panel Extension
- MC4 Connector Systems
- Solar Arrays
- Rooftop Installations

#### FEATURES

- Flexible Design
- MC4 Compatible
- UV Resistant
- Waterproof
- Easy Installation

#### TECHNICAL SPECIFICATION

Conductor	Tinned Copper
Insulation	XLPO
Voltage Grade	1.5 kV DC
Temperature	-40°C to +90°C
Standard	IEC 62930
Outer Sheath	XLPO
Colour	Black / Red

### 04 SOLAR EARTHING CABLE

SAFE GROUNDING. MAXIMUM PROTECTION.



#### APPLICATIONS

- Solar Plant Earthing
- Module Structure Earthing
- Lightning Protection
- Grounding Systems

#### FEATURES

- High Conductivity
- Corrosion Resistant
- Flexible Conductor
- Long Life
- Reliable Protection

#### TECHNICAL SPECIFICATION

Conductor	Copper / Aluminium
Insulation	Green Yellow PVC / XLPE
Voltage Grade	1.1 kV
Temperature	-15°C to +70°C
Standard	IS 694 / IS 1554
Outer Sheath	FRLS PVC
Colour	Green / Yellow

### LA CABLE

LIGHTNING PROTECTION.  
RELIABLE SAFETY.



#### APPLICATIONS

- Lightning Arresters
- Earthing Networks
- Solar Power Plants
- Industrial Protection Systems

#### CONDUCTOR OPTIONS



COPPER  
LA CABLE



ALUMINIUM  
LA CABLE

#### FEATURES

- High Current Carrying Capacity
- Corrosion Resistant
- Flexible Construction
- Long Service Life



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# COMPLETE CABLE SOLUTIONS

ONE SOURCE. ENDLESS CONNECTIONS.

From High Speed Data to Powerful Energy, MGCAB offers a comprehensive range of high quality cables engineered for performance, safety & reliability.

## CATALOGUE SUMMARY

*At a Glance*



### 01 FIBER OPTIC CABLE SERIES



- > ADSS Cable
- > Indoor Fiber Cable
- > Outdoor Fiber Cable
- > Armoured Fiber Cable

### 02 CCTV & COAXIAL CABLE SERIES



- > CCTV Cable
- > RG-6 Coaxial Cable
- > RG-11 Coaxial Cable
- > CCTV + Power Combined Cable

### 03 LAN CABLE SERIES



### 04 SOLAR CABLE SERIES



- > Solar DC Cable
- > Solar AC Cable
- > Solar Extension Cable
- > Solar Earthing Cable
- > LA Cable (Cu / Al)

### 05 WELDING & BATTERY CABLE SERIES



- > Welding Cable
- > Battery Cable
- > Inverter Cable
- > Flexible Copper Cable

### 06 INDUSTRIAL CABLE SERIES



- > Control Cable
- > Instrumentation Cable
- > Multicore Cable
- > Armoured Cable

### 07 LOW VOLTAGE POWER CABLE SERIES



- > Single Core Cable
- > Multicore Cable
- > Armoured Power Cable
- > Unarmoured Power Cable

### 08 SPECIAL CABLE SERIES



- > Fire Survival Cable
- > Instrumentation Cable
- > Rubber Cable
- > Flat Submersible Cable

### 09 TELECOM CABLE SERIES



- > Telephone Cable
- > Drop Wire Cable
- > Jelly Filled Cable
- > Duct Cable

### 10 ACCESSORIES



- > Cable Glands
- > Lugs & Connectors
- > Cable Ties
- > Heat Shrink Sleeve

### WHY CHOOSE MGCAB?



**PREMIUM QUALITY**  
High grade raw materials & advanced technology.



**RELIABLE PERFORMANCE**  
Engineered for durability, safety & long life.



**WIDE RANGE**  
Complete cable solutions under one roof.



**ADVANCED MANUFACTURING**  
State-of-the-art machines & strict quality control.



**ON TIME DELIVERY**  
Timely supply. Strong logistics network.



**CUSTOMER SUPPORT**  
Expert guidance & after sales support.



**COMPETITIVE PRICING**  
Best quality at best value.



**PAN INDIA PRESENCE**  
Serving customers across India.



**HIGH QUALITY RAW MATERIALS**



**SAFE & RELIABLE**



**INNOVATIVE TECHNOLOGY**



**SUSTAINABLE SOLUTIONS**



**ENERGY EFFICIENT**



**BETTER CONNECTIVITY**

## M.G CABLE INDUSTRIES

M.G Cable Industries is a trusted name in the wire & cable industry, delivering superior quality products for every need. Our commitment to innovation, quality & customer satisfaction drives us to build stronger connections for a better tomorrow.



### OUR COMMITMENT

- ✓ Quality You Can Trust
- ✓ Performance You Can Rely On
- ✓ Safety You Can Count On
- ✓ Connections That Power Progress



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