



RADICAB



WIRES & CABLES



**WIRING**  
**FOR THE FUTURE**

**WIRE** हमारे  
**सुरक्षा** आपकी



9001 : 2015



14001 : 2015



45001 : 2018

MADE IN INDIA

IS : 694



CM/L 8400161407



European Standard



RoHS  
compliant

## About Us

Founded in July 2019, Radicab is a Fast Moving Electrical Goods (FMEG) and ISO 9001:2015 certified company which is focused on Industrial & Domestic Electrical Solutions. We manufacture Low Voltage (LV) Cables and offer a wide range of cables such as:

1. Domestic Cables - House wires, Multicore flexible cables, Submersible cables & Twin Flat cables.
2. Industrial Cables - Armoured & Unarmoured Cables, Panel Wires & Welding Cables.
3. Networking & Surveillance Cables - Ethernet cables, CCTV cables & Co-axial cables.
4. Fire survival cables - Fire alarm cables.

Our products are manufactured at a modern state-of-the-art facility in Jaipur, India; the plant is equipped with fully automatic machinery to ensure high degree of quality and consistency. We also have a laboratory which is equipped with IS 694 testing equipments and it is managed by our finest quality control team. Produced from 99.9% purest electrolytic copper, our wires & cables ensure long reliable performance leading to sustainable and efficient electricity consumption. The insulation compound are carefully compounded to ensure extra protection against fire.

The strength of Radicab is our team of highly experienced engineers and production staff who are committed to offer quality products to our customers by ensuring compliance to internationally set quality standards. Our dedicated team is constantly learning and evolving to ensure we follow best practices, efficient processes and most relevant technology.

**Fun Fact: The name Radicab is derived from Radiant Cables.**



**Vision :** To ensure every single place is equipped with safe, reliable and eco-friendly electrical solutions.

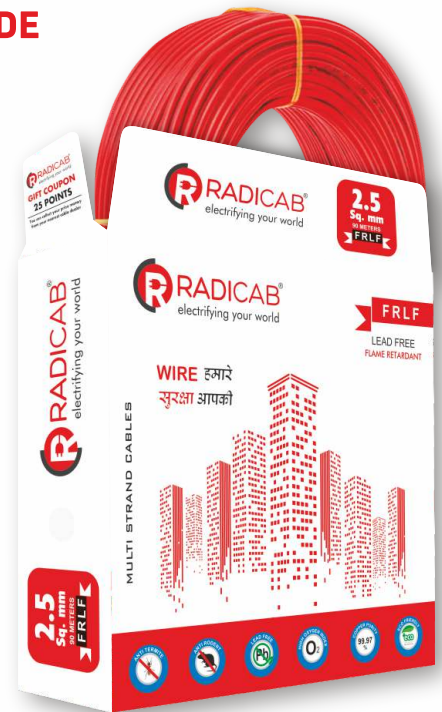
**Mission :** To achieve our vision through increased global footprint, innovation, technological expertise and everlasting relationships with our customers, partners and employees.

## SINGLE CORE COPPER CONDUCTOR (FLEXIBLE) FRLF GRADE PVC INSULATED INDUSTRIAL CABLES (UNSHEATHED)

Each Radicab wire is manufactured using 99.97% pure electrolytic grade, bright annealed bare copper with more than 100% conductivity for conductor, tested by NABL accredited laboratories. The wire is insulated with a Flame Retardant lead free (FRLF) PVC compound with a high oxygen and temperature index, specially formulated and manufactured in house. Every wire meet the requirements of standards with latest amendments with improved fire performance properties.

**APPLICATION:** These cables are intended for drawing into trucking and conduit are suitable use for electrical installations such as power, lighting, appliances and switchgear wiring.

**Technical Data:** Max. Operating Temperature : 70°C  
**Rated Voltage :** 1100V / 450/750V (300/500V for 0.75mm<sup>2</sup> & 1.0 mm<sup>2</sup>)  
**Specifications :** IS694 / BSEN 50525-2-31  
**Range :** 0.75 – 300 mm<sup>2</sup>  
**Colours Available :** ● ● ● ● ●  
**Length Available :** 90 mtr / 200 mtr (Project Packing)



ELECTRICAL • THERMAL • MECHANICAL



## TRI-RATED SINGLE CORE COPPER CONDUCTOR (FLEXIBLE) HRLF GRADE PVC PANEL BOARD INSULATED INDUSTRIAL CABLES (UNSHEATHED)

**APPLICATION:** These cables are intended for use in fixed installations such as power, lighting, appliances and switchgear & control panel wiring.

**Technical Data:** Max. Operating Temperature : 90°C/105°C  
**Rated Voltage :** 1100V / 600/1000V  
**Specifications :** IS694 / BS6231  
**Range :** 0.50 – 300 mm<sup>2</sup>



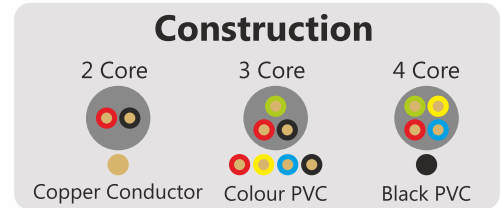
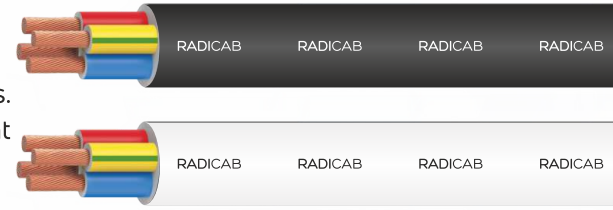
ELECTRICAL • THERMAL • MECHANICAL



## MULTICORE ROUND COPPER CONDUCTOR (FLEXIBLE) PVC INSULATED & SHEATHED CABLES

**APPLICATION:** General purpose indoors or outdoors in dry or damp situations. Portable tools, washing machines, vacuum cleaners, lawn movers and light domestic applications.

**Technical Data:** Max. Operating Temperature : 70°C  
**Rated Voltage :** 1100V / 0.5 mm<sup>2</sup> to 4mm<sup>2</sup> — 300/500V  
 6.0 mm<sup>2</sup> to 25mm<sup>2</sup> — 450/750V  
**Specifications :** IS694 / BSEN 50525-2-11 / BS 7919  
**Range :** 2C-5C X 0.50 – 25 mm<sup>2</sup>  
**Colours Available :** ● ○  
**Length Available :** 90 mtr / 100 yards



## MULTICORE FLAT COPPER CONDUCTOR (FLEXIBLE) PVC INSULATED & SHEATHED CABLES

**APPLICATION:** General purpose indoors or outdoors in dry or damp situations. Portable tools, washing machines, vacuum cleaners, lawn movers and light domestic applications.

**Technical Data:** Max. Operating Temperature : 70°C  
**Rated Voltage :** 1100V / — 300/500V  
**Specifications :** IS694 / BSEN 50525-2-11 / BS 7919  
**Range :** 2C X 0.5 mm<sup>2</sup> to 4mm<sup>2</sup>  
**Colours Available :** ● ○  
**Length Available :** 90 mtr / 100 yards

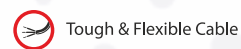
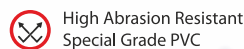
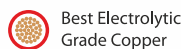
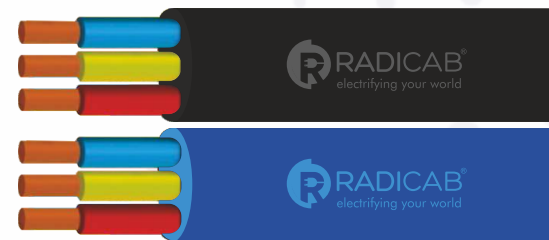


## SUBMERSIBLE FLAT COPPER CONDUCTOR (FLEXIBLE) PVC / XLPE INSULATED & PVC SHEATHED CABLES

**APPLICATION:** Submersible cable is specifically manufactured to power submersible pumps which goes deep inside earth surface to fetch water. This specially designed cable is capable to provide electrical energy to submersible pump installed under water in harsh & hostile conditions.

**Technical Data:** Max. Operating Temperature : 70°C  
**Rated Voltage :** 1100V / 600/1000 V  
**Specifications :** IS694 / BSEN 50525-2-11  
**Range :** 3C - 4C X 1.5 – 95 mm<sup>2</sup>  
**Insulation Available :** PVC / XLPE  
**Colours Available :** ● ●

**HEAVY LOAD**



## SUBMERSIBLE ROUND COPPER CONDUCTOR (FLEXIBLE) PVC / XLPE INSULATED & PVC / RUBBER SHEATHED CABLES

**APPLICATION:** Submersible cable is specifically manufactured to power submersible pumps which goes deep inside earth surface to fetch water. This specially designed cable is capable to provide electrical energy to submersible pump installed under water in harsh & hostile conditions.

Technical Data:	Max. Operating Temperature : 70°C
Rated Voltage :	600/1000 V
Specifications :	BSEN 50525-2-11
Range :	3C - 4C X 1.5 – 95 mm <sup>2</sup>
Insulation Available :	PVC / XLPE
Sheath Available :	PVC / Rubber
Colours Available :	● ●



**HEAVY LOAD**

## TWIN FLAT COPPER CONDUCTOR (STRANDED) PVC INSULATED & SHEATHED CABLES

**APPLICATION:** For domestic and industrial wiring. Suitable for surface wiring where there is little risk of mechanical damage.

Technical Data:	Max. Operating Temperature : 70°C
Rated Voltage :	300/500 V
Specifications :	BS 6004
Range :	2C X 1.0 – 16 mm <sup>2</sup> + With or without earth.
Colours Available :	●



**POWERFUL PROTECTION**



## NITRILE RUBBER (NBR) DOUBLE INSULATED EXTRA FLEXIBLE COPPER CONDUCTOR WELDING CABLES

**APPLICATION:** They are used for the wiring of systems which require several bends. Welding cables are extremely versatile as they are manufactured using fine strands of copper. As one of the leading Welding cables suppliers, Radicab Cables makes powerful cables that are apt for transmitting high energy to your machine. Welding cable manufacturers also make sure that the welding cables contain a strong outer jacket to avoid the abrasions which may arise from the welding sparks.

Technical Data:	-30°C to max. +90°C
Rated Voltage :	1100 V /600 V
Specifications :	CENELEC HD 22-6 31, VDE 0282, IEC 245-6, IS 473, BS 638-4
Range :	1C X 10.0 – 240 mm <sup>2</sup>
Colours Available :	● ●



Insulation



Extra Flexible



Oxygen free Copper



Anti Termite



Dynamic Performance



Flame Retardant



X-tra Twisting



Anti Rodent



**RADICAB**<sup>®</sup>  
electrifying your world

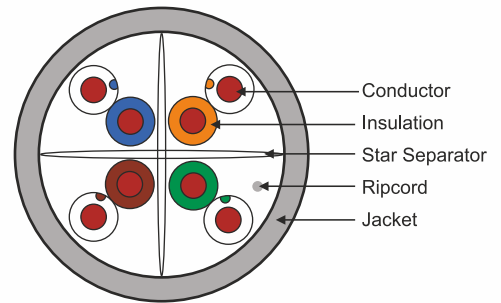
## LAN CABLES - CAT 6 UTP (WITH STAR SEPARATOR)

Radicab Category 6 UTP cable, commonly referred to as Cat 6 UTP, is a standardized twisted pair cable for Gigabit Ethernet and other network physical layers that is backward compatible with CAT5/5e. Cat 6 features more stringent specifications for crosstalk and system noise. The cable standard provides performance of up to 250 MHz.

### Features

- Exceptional material properties and cable design.
- Extremely high pair-balance-providing excellent EMC (Electromagnetic compatibility)
- Maximum noise immunity.
- UL-94V0 rated Plastics.
- High speed data access
- Unshielded Twisted Cable
- Cable supports frequencies up to 250 MHz.
- Cable supports data transfer speeds up to 1000Mbps-Gigabit

**Length Available :** 100 mtr / 305 mtr



**CAT6UTP**  
**ETHERNET CABLES**  
 Better Experience Faster  
 Transmission Speed



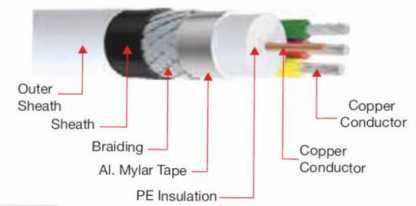
## CCTV CABLES

Radicab CCTV cables are designed to optimize the quality of video signals, which are transmitted through the Coaxial cable in the CCTV. The Coaxial cable consists of solid annealed bare copper conductor of electrolytic grade which is insulated with foamed dielectric, aluminium foil taped, jelly flooded, braided with Al. Alloy and then jacketed with UV PVC.

Topmost quality of construction of coaxial cable in Radicab CCTV cables ensures distortion free video signals and thus a clear picture over complete low frequency bandwidth of transmission in such applications. The impedance of coaxial cable is 75, which matches the CCTV equipment. This matching ensures adequate signal strength, no reflection and best picture quality.

**Length Available :** 90 mtr / 305 mtr

Cross Section View for 3+1 CCTV



## CO-AXIAL TV CABLES

**APPLICATION :** Used in cable TV operations, Computer net-working etc.

**Construction :** Solid annealed bare copper conductor polyethylene insulated shielded with polyester backed aluminum tape and additional shielding with fine aluminum braid protected with polyester tape wrapping and sheathed with PVC.

**Length Available :** 90 mtr / 305 mtr



## TWIN FLAT ALUMINIUM CONDUCTOR (SOLID) PVC INSULATED CABLES & SHEATHED CABLES

**APPLICATION:** They are mainly used in agriculture and for electrical connections from main high voltage line.

**Technical Data:** Max. Operating Temperature : 70°C  
**Rated Voltage :** 1100 V  
**Specifications :** IS 694  
**Range :** 2C X 1.5 – 16 mm<sup>2</sup>  
**Insulation :** PVC  
**Sheath :** Special Grade Tough PVC



Oxygen free Aluminium



Dynamic Performance



Flame Retardant



Anti Termite



Anti Rodent

## ARMoured & UNARMoured COPPER / ALUMINIUM CONDUCTOR PVC / XLPE INSULATED & PVC SHEATHED INDUSTRIAL CABLE

**APPLICATION:** Power cables for energy supply are installed outdoors, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected.

**Technical Data:** Max. Operating Temperature : 90°C  
**Rated Voltage :** 1100 V / 600/1000 V  
**Specifications :** IS 1554 (PVC), IS 7098 (XLPE), BS 5467  
**Range :** 3/3.5/4C X 1.5 – 400 mm<sup>2</sup>



Oxygen free Copper



Oxygen free Aluminium



Dynamic Performance



Flame Retardant



Anti Termite



Anti Rodent

## SINGLE CORE / MULTICORE COPPER CONDUCTOR (FLEXIBLE) RUBBER INSULATED & SHEATHED CABLES (H07RN-F)

**APPLICATION:** These cables are designed to provide high flexibility and have the capacity to withstand weather, oil/grease, mechanical and thermal stresses. Applications include handling equipment, mobile power supplies, worksites, stage and audio visual equipment, port areas and dams. Also for use in drainage and water treatment, cold environments and severe industrial environments.

**Technical Data:** Fixed: -30°C to +60°C  
 Fixed protected installations: +90°C  
 Flexed: -15°C to +60°C  
**Rated Voltage :** 450/750 V  
**Specifications :** EN 50525-2-21, EN 60228  
**Range :** 1C X 1.5-630 mm<sup>2</sup> & 2C-7C X 1.0 – 240 mm<sup>2</sup>



High Operating Temperature



Heavy Duty



WATER AND OIL RESISTANCE



Flame Retardant



Flexibility



Dynamic Performance



Oxygen free Copper



Anti Rodent



X-tra Twisting

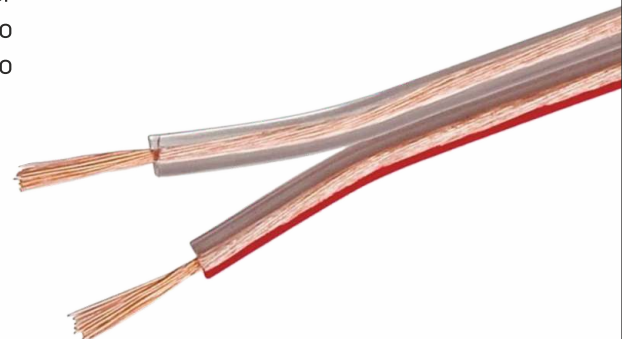


Anti Termite

## OXYGEN FREE COPPER CONDUCTOR (FLEXIBLE) PVC INSULATED SPEAKER CABLE

**APPLICATION:** Suitable in dry locations for connections of portable power consumers submitted to weak mechanical strength like car speakers, audio speakers, light electrical hand-held equipment and in and on lighting units. Also referred to as speaker cables.

**Technical Data:** Max. Operating Temperature : 70°C  
**Rated Voltage :** 1100 V / 300/300 V  
**Specifications :** IS 694 / EN 60332-1-2  
**Range :** 2C X 0.50 - 4.0 mm<sup>2</sup>  
**Insulation :** PVC



-   
X-tra  
Twisting
-   
Anti  
Termite
-   
Oxygen free  
Copper
-   
Anti  
Rodent
-   
Tri Shield  
Technology
-   
Dynamic  
Performance



## LOW SMOKE ZERO HALOGEN (LSZH) COPPER CONDUCTOR FIRE ALARM CABLE

**APPLICATION:** These cables are used in high rise buildings, commercial complexes, schools and educational institutions, hospitals, etc. for the connection with security systems like smoke detectors, emergency lightings, exit signboards and fire command center. These cables are used where the fire safety is utmost important.

**Technical Data:** -40°C to +90°C  
**Rated Voltage :** 300/500V  
**Specifications :** BS 7629-1, BS EN 50200  
**Range :** 2C-4C X 1.5-2.5 mm<sup>2</sup>  
**Insulation :** High performance fire resistant silicone rubber  
**Overall Screen :** AL/PET (Aluminium/Polyester Tape)  
**Circuit Protective Conductor :** Tinned copper  
**Outer Sheath :** LSZH (Low Smoke Zero Halogen)



-   
X-tra  
Twisting
-   
Anti  
Termite
-   
Oxygen free  
Copper
-   
Anti  
Rodent
-   
Tri Shield  
Technology
-   
Dynamic  
Performance
-   
Flame  
Retardant



## PVC CONDUIT PIPES

Radicab Conduit Pipes have excellent resistance to flame propagation to protect against fire.

### Features

- High resistance to oil
- Uniform copper bunching and diameter.
- No cracking
- Excellent rigidity
- Most Economical as compared to steel conduits
- Highly insulated non conductor prevents Short circuit hazards
- Uniformity of wall thickness
- Light weight
- Easy handling
- Provide good mechanical protection for inside cables
- Having longer life as compared to metal conduit.
- Flame resistance manufactured out of self extinguishing PVC materials
- Each batch tested through Lab equipments.

**Sizes Available :** 20mm, 25mm, 32mm



Light weight



Shield



Insulation



Durability

## PVC CASINGS AND CAPPING

The casings and capping products do not have burrs on both surfaces and can stand against evenly distributed load. These casings have got excellent rigidity and resistance to flame propagation.

### Features

- Economical as compared to steel conduits and casing
- Highly insulated non-conductor prevents short circuit hazards
- Corrosion free nature
- Maximum internal wiring space
- Odorless and impurity less.
- Able to retard the spread of fire.

**Sizes Available :** 20x12 mm, 25x16 mm, 30x15 mm



Durable & Impact



Easy and Fast Installation



Good Quality



Corrosion Free



**RADICAB CABLES AND LIGHTING INDUSTRIES PVT. LTD.**

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**ISO** = International Organization for Standardization

**RoHS** = Restriction of Hazardous Substances

**CE** = Conformite Europeenne • **ISI** = Indian Standard Institution



SCAN this QR-code  
from your smart phone  
to know more.



9001 : 2015



14001 : 2015



45001 : 2018

**MADE IN INDIA**

