



**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 0.75mm² & 1.0 mm²)
Specifications : IS694 / BSEN 50525-2-31
Range : 0.75 – 300 mm²
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 mm²



ELECTRICAL • THERMAL • MECHANICAL



H07V-R SINGLE CORE COPPER CONDUCTOR (CLASS 2) PVC INSULATED BUILDING CABLES (UNSHEATHED)



APPLICATION: The cables are suitable for power and lighting circuits and building wiring suitable for use in semi flush exposed conduits, embedded conduits and in closed installation ducts.

Technical Data: Max. Operating Temperature : 70°C
Rated Voltage : 450/750V (300/500V for 0.75mm² & 1.0 mm²)
Specifications : BSEN 50525-2-31
Range : 0.75 – 300 mm²
Colours Available : ● ● ● ● ●
Length Available : 100 yards



H05V-U/H07V-U SINGLE CORE COPPER CONDUCTOR (SOLID) PVC INSULATED BUILDING CABLES (UNSHEATHED)



APPLICATION: The cables are suitable for power and lighting circuits and building wiring suitable for use in semi flush exposed conduits, embedded conduits and in closed installation ducts.

Technical Data: Max. Operating Temperature : 70°C
Rated Voltage : 450/750V (300/500V for 0.75mm² & 1.0 mm²)
Specifications : BSEN 50525-2-31
Range : 0.75 – 300 mm²
Colours Available : ● ● ● ● ●
Length Available : 100 yards



THHN/THWN SINGLE CORE COPPER CONDUCTOR PVC + NYLON INSULATED CABLES



APPLICATION: For the installation of machine tools and the relative control.

THWN: Thermoplastic PVC-insulated building wire, Heat resistant 75°C, for Wet and dry locations, flame retardant.

THHN: Thermoplastic PVC-insulated building wire, Nylon sheath, 90°C, 600 V, for dry and damp locations.

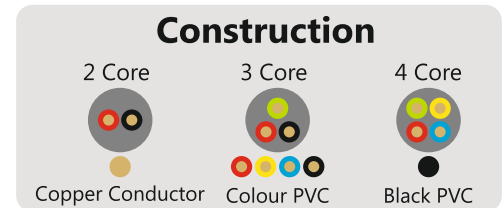
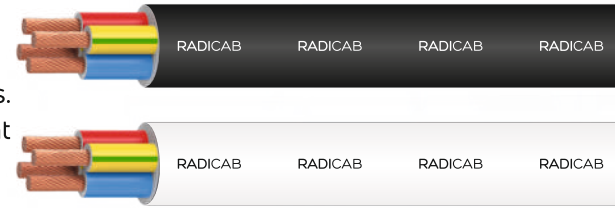
Technical Data: THHN dry environments: 90°C
 THWN wet environments: 75°C
Rated Voltage : 600V
Specifications : UL Std.83 and UL Std.1063 (MTW)
Range : 0.75 – 300 mm²
Colours Available : ● ● ● ● ●
Length Available : 100 yards



H03VV-F/H05VV-F 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 mm² to 4mm² — 300/500V
 6.0 mm² to 25mm² — 450/750V
Specifications : IS694 / BSEN 50525-2-11 / BS 7919
Range : 2C-5C X 0.50 – 25 mm²
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 mm² to 4mm²
Colours Available : ● ○
Length Available : 90 mtr / 100 yards



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 mm²
Insulation : PVC



X-tra
Twisting



Anti
Termite



Oxygen free
Copper



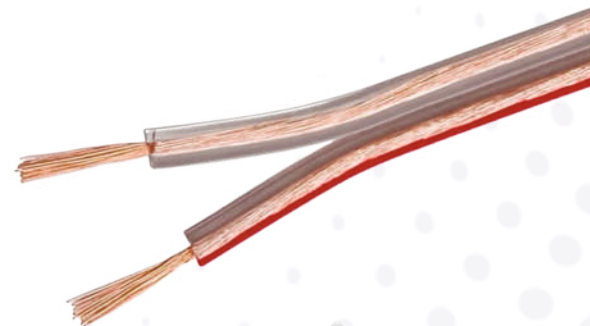
Anti
Rodent



Tri Shield
Technology



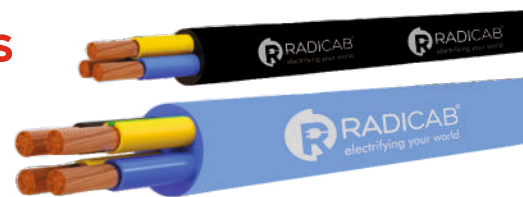
Dynamic
Performance



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 ²
Insulation Available :	PVC / XLPE
Sheath Available :	PVC / Rubber
Colours Available :	● ●



HEAVY LOAD

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 ²
Insulation Available :	PVC / XLPE
Colours Available :	● ●

HEAVY LOAD



Best Electrolytic
Grade Copper



High Abrasion Resistant
Special Grade PVC



Tough & Flexible Cable



Excellent Moisture &
Weather Resistance



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 ² + With or without earth.
Colours Available :	●



POWERFUL PROTECTION



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 ²
Insulation :	PVC
Sheath :	Special Grade Tough PVC



Oxygen free
Aluminium



Dynamic
Performance



Flame
Retardant



Anti
Termite



Anti
Rodent

ELEVATOR CABLE

Applications: These power and control flat cables can be used on festooned systems on handling equipment as overhead cranes. They are designed for indoors and outdoors for ambient temperature down to -25°C. These cables can accept a trolley traveling speed up to 120m / min.

Technical Data:	-25°C to 105°C
Rated Voltage :	H05VVH6-F – 300/500V H07VVH6-F – 450/750V
Specifications :	HD 359 S2, IEC 227 Part 6, EN 50214
Insulation :	PVC
Sheath :	Special Grade Tough PVC



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 ² & 2C-7C X 1.0 – 240 mm ²



High Operating Temperature	Heavy Duty	WATER AND OIL RESISTANCE	Flame Retardant	Flexibility	Dynamic Performance	Oxygen free Copper	Anti Rodent	X-tra Twisting	Anti Termite

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 ²

Oxygen free Copper	Oxygen free Aluminium	Dynamic Performance	Flame Retardant	Anti Termite	Anti Rodent



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 mm²
Colours Available : ● ●



Insulation



Extra Flexible



Oxygen free Copper



Anti Termite



Dynamic Performance



Flame Retardant



X-tra Twisting



Anti Rodent



DOUBLE INSULATED EXTRA FLEXIBLE COPPER CONDUCTOR BATTERY CABLES

APPLICATION: These wires used low voltage circuit in automobiles such a Vehicles and Motor cycles. Where high flexibility is required.

Technical Data: -20°C to max. 120°C
Rated Voltage: 0.6/1 kV AC
Specifications: SAE J1127 VDE 0295, IEC 60228, IS 2465, BS 6862
Range: 1C x 10 - 240 mm²
mm²Insulation: HR PVC
Sheath: HOFR (TPR Rubber)



Insulation



Extra Flexible



Oxygen free Copper



Anti Termite



Dynamic Performance



Flame Retardant



X-tra Twisting



Anti Rodent



SOLAR CABLES

APPLICATION: Solar cables connect solar panels to inverters and electrical systems in homes, allowing for solar energy generation. This energy can power household appliances, lighting systems, and other electrical devices, reducing the need for grid-based electricity and saving costs for homeowners.

Technical Data:	Max. Operating Temperature: 120°C
Rated Voltage:	0.6/1 kV AC
Rated DC Voltage:	1.5 kV
Working Voltage:	DC 1000 V
Specifications:	EN 50618
Range:	1C x 1.5 - 16 mm ²
mm²Insulation:	XLPO (Crosslinked Halogen Free & Flame Retardant)
Sheath:	XLPO (Crosslinked Halogen Free & Flame Retardant)
Properties:	UV resistance & OZONE resistance



X-tra
Twisting



Anti
Termite



Oxygen free
Copper



Anti
Rodent



Tri Shield
Technology



Dynamic
Performance



Flame
Retardant



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 ²
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



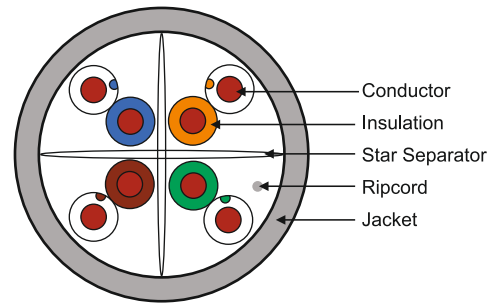
LAN CABLES - CAT 6 UTP (WITH STAR SEPARATOR)

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



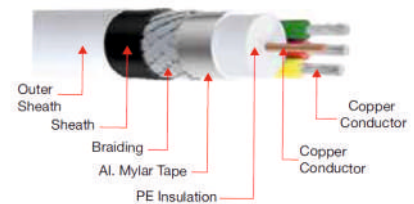
CCTV CABLES

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





MANUFACTURING UNIT:

RADICAB CABLES AND LIGHTING INDUSTRIES PVT. LTD.

Plot B1, Silver Soil Industrial Park, Anapurna, Chimanpura,
Jaipur, Rajasthan, INDIA - 303712.

T : +91 95491 11554 • E : romi@radicab.com

www.radicab.com



Scan to visit website

INDIA OFFICE:

RADICAB CABLES & LIGHTING INDUSTRIES PVT. LTD.

F9, First Floor, Shri Krishna Tower, Near Polo Victory Hotel,
Motilal Atal Road, Mirza Ismail Rd, Jaipur, Rajasthan, INDIA - 302001

T : +91 95491 11554 • E : romi@radicab.com

www.radicab.com



Scan to add contact

UAE OFFICE:

MAJED HUWAIR TRADING CO. LLC

18th St, Near Downtown Hotel, Al Sabkha, Deira,
Dubai, United Arab Emirates

T : +971 55 4956921 • E : mhtuae@gmail.com

www.boltonuae.com



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ISO = International Organization for Standardization

RoHS = Restriction of Hazardous Substances

CE = Conformance Européenne • ISI = Indian Standard Institution



9001 : 2015



14001 : 2015



45001 : 2018

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IS : 694



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European Standard

