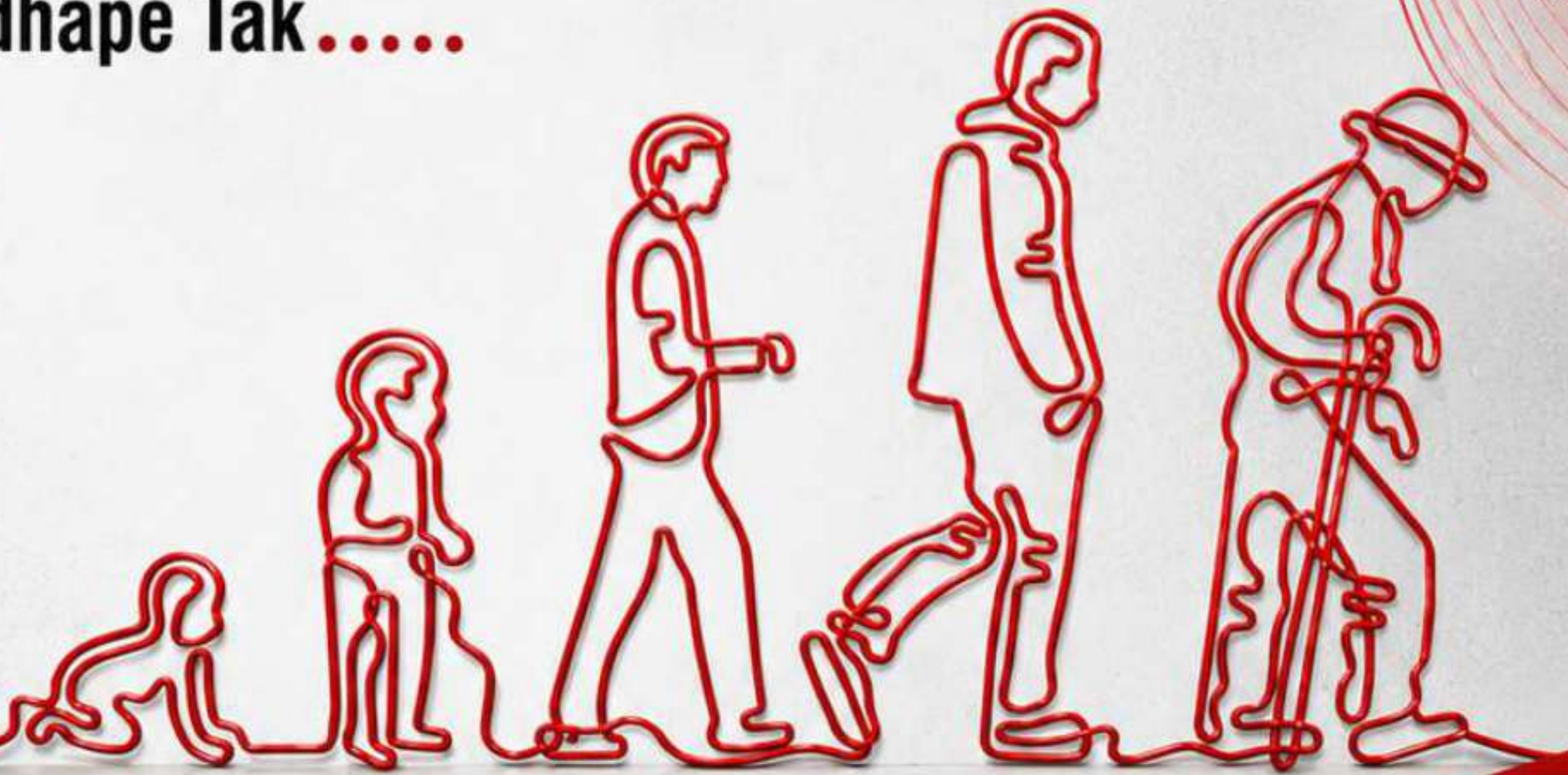




WIRES

Jo Chale Bachpan
Se Budhape Tak.....



HIGH QUALITY
WIRES



100% PURE
COPPER



SAFE &
RELIABLE



PRODUCT CATALOGUE 2026



CML-9100098206



CML-9100098207



ELECTRIFYING PORTFOLIO OF RADA

Rada Cable is a leading brand offering varieties of wires (Single Core & Multicore flexible cable and flat submersible cable) with a glorious track record of more than **27 Years**. Rada Cable was incorporated for Trading and supplying of all electrical items.

Our electrical wires and cables have been widely accepted and used throughout the India by hospitals, major universities and schools, laboratories, restaurants, foreign embassies, major airlines, and more importantly by major construction companies. Customer Satisfaction and delivering the best product to the society is the hallmark of our success.

REASONS TO COUNT ON US

- Market Leader
- World Class Infrastructure
- Strong Position in Market
- Skilled Team
- Timely Material Dispatch
- Affordable Rates
- Transparency in Business

OUR REACH

- Contractor
- Government Projects
- Private Projects
- Solar Projects
- Housing Board
- Real Estate
- Pharmaceuticals
- Oil and Gas Refinery
- Ceramic Industries
- Plastic Industries
- Chemical Industries
- Textile Industries



FR - Flame Retardant Wires

RADA Wires and Cables come equipped with unmatched triple layer protection that ensures safety and durability. We deploy our cutting-edge technology and superior quality material to give you unmatched product quality.

Technical Specifications :



CML-8910123

Approvals : IS : 694 - 2010

Voltage Grade : Up to 1100V.

Insulation : Formulated with grade of PVC compound to withstand higher conductor temperatures with Heat Resistant and Flame Retardant properties. These compounds retard compromising safety.

Insulation Conformity : IS 5831 Type C
-HR 105°, FR 70° C, FR-LSH

Colours : Red, Yellow, Blue, Black, Green, White

Packaging : Available in 90 meter box packaging 180 meter project packaging 500 meter bobbin packaging

Applications :



Residential



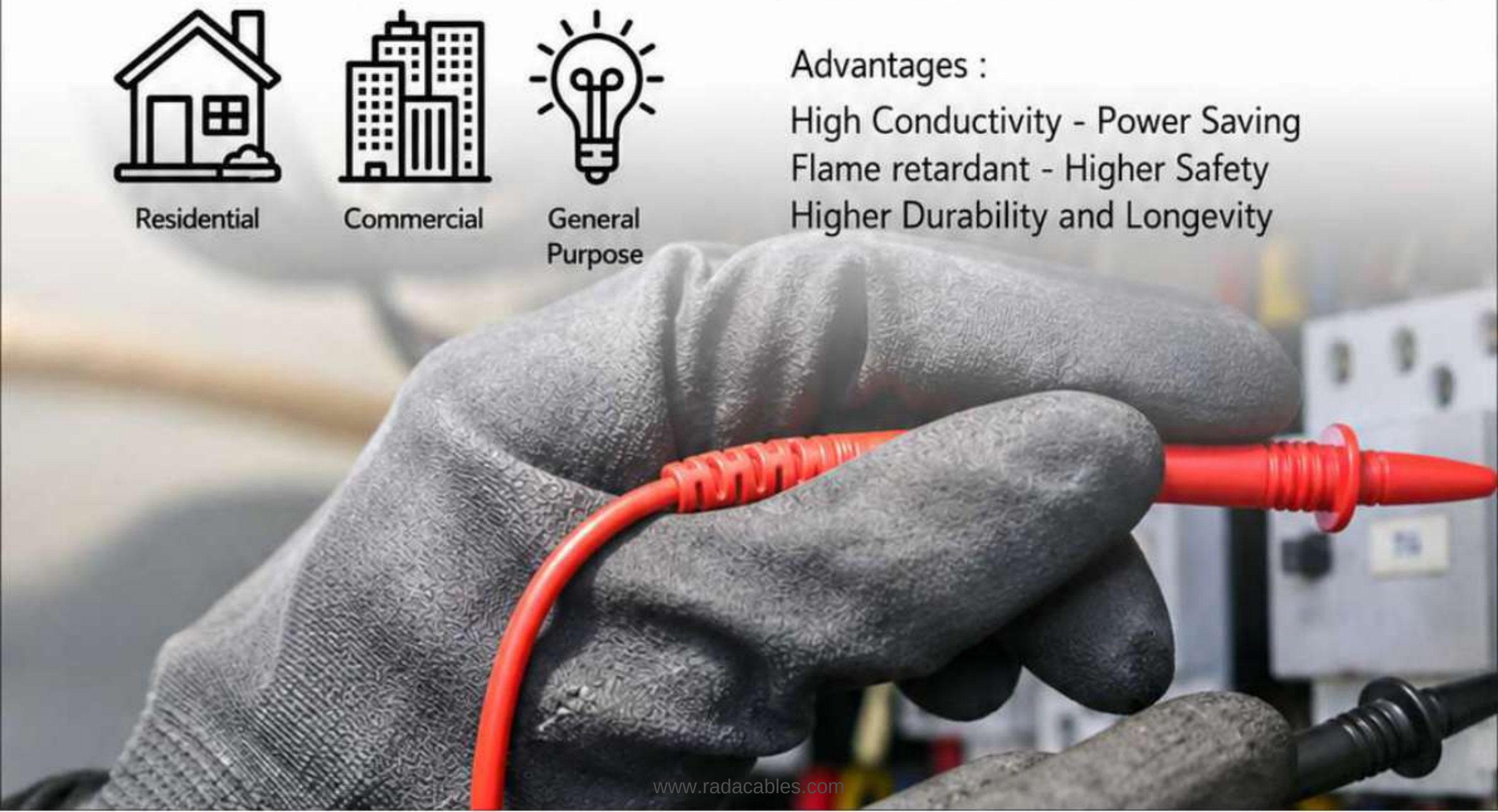
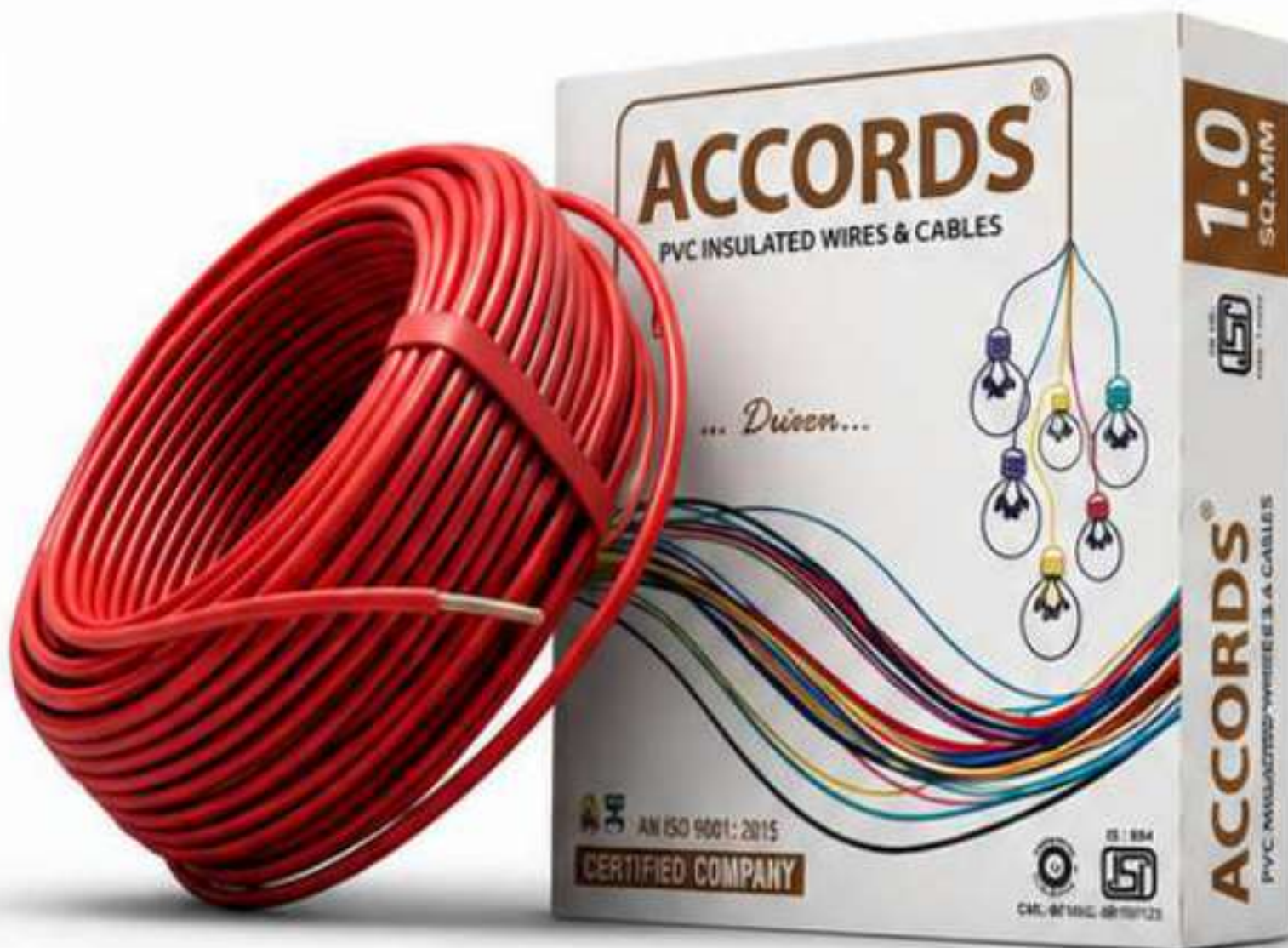
Commercial



General
Purpose

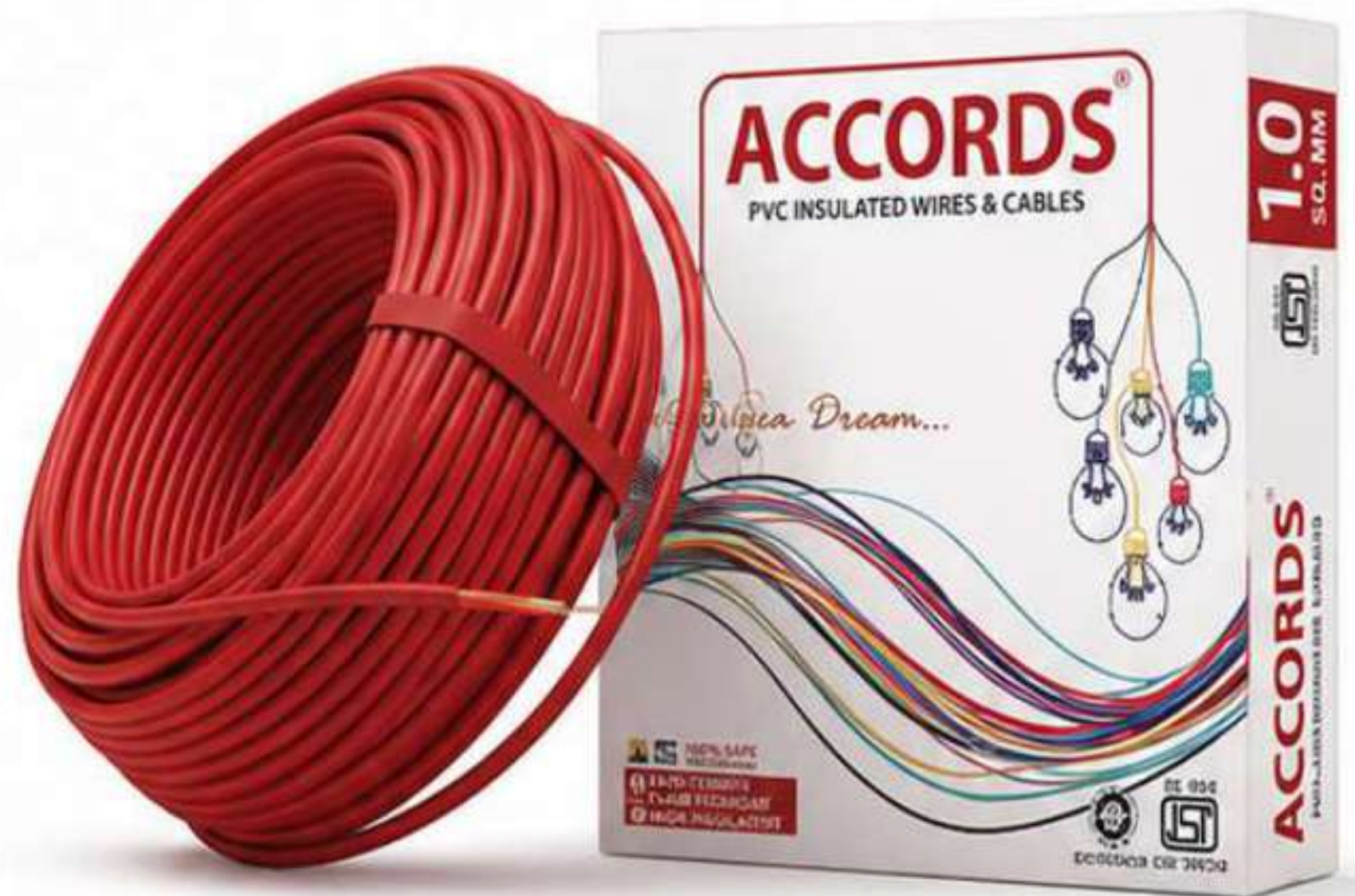
Advantages :

High Conductivity - Power Saving
Flame retardant - Higher Safety
Higher Durability and Longevity



FR-LSH Flame Retardant Low Smoke Wires

RADA Wires and Cables Flame Retardant Low smoke wires are manufactured as per IS : 694-2010 specially formulated PVC polymers help to reduce the toxic gases and smoke. This makes them safe, reliable and fire retardant.



Technical Specifications :

Approvals : IS : 694 - 2010
Voltage Grade : Up to 1100V.
Conductor : Fine Strands of electrolytic copper are drawn for uniformity of resistance, dimension and flexibility. The conductor shall be made from high conductivity copper rod. IS : 191 - 2007
Insulation : Specially formulated Heat Resistant and Flame Retardant Low smoke, compound is used. The insulation doesn't spread fire. The Smoke is negligible, transport and non-toxic
Insulation Conformity : IS 5831 Type C-HR 105, Type A/D FR-LSH 700
Colours : Entire wire has an orange stripe on the base of Red/Yellow/Blue/Green/Black.
Packaging : Available in 90 meter box packaging 180 meter project packaging 500 meter bobbin packaging

Applications :



Residential



Commercial



High-rise
Buildings



Hospitals



Industries



ZFHR FLAME RETARDANT WIRES

RADA Wires and Cables ZFHR (Zero Halogen Flame Retardant) wires are manufactured as per IS : 694-2010 specially formulated PVC polymers that are halogen free, low smoke and flame retardant. These wires are designed to ensure high safety in critical environments by minimizing toxic smoke and corrosive gases in case of fire.



Technical Specifications :



Approvals : IS : 694 - 2010

Voltage Grade : Up to 1100V.

Conductor : Fine Strands of electrolytic copper are drawn for uniformity of resistance, dimension and flexibility. The conductor shall be made from high conductivity copper rod.
IS : 191 - 2007

Insulation : Specially formulated Zero Halogen Flame Retardant Low smoke compound is used. The insulation doesn't spread fire. The smoke is negligible, transport and non-toxic.

Insulation Conformity : IS 5831 Type C-HR 105, Type A/D ZFHR

Colours : Entire wire has an orange stripe on the base of Red/Yellow/Blue/Green/Black.

Packaging : Available in 90 meter box packaging 180 meter project packaging 500 meter bobbin packaging

Applications :



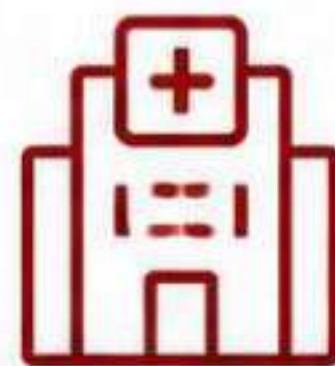
Residential



Commercial



High-rise
Buildings



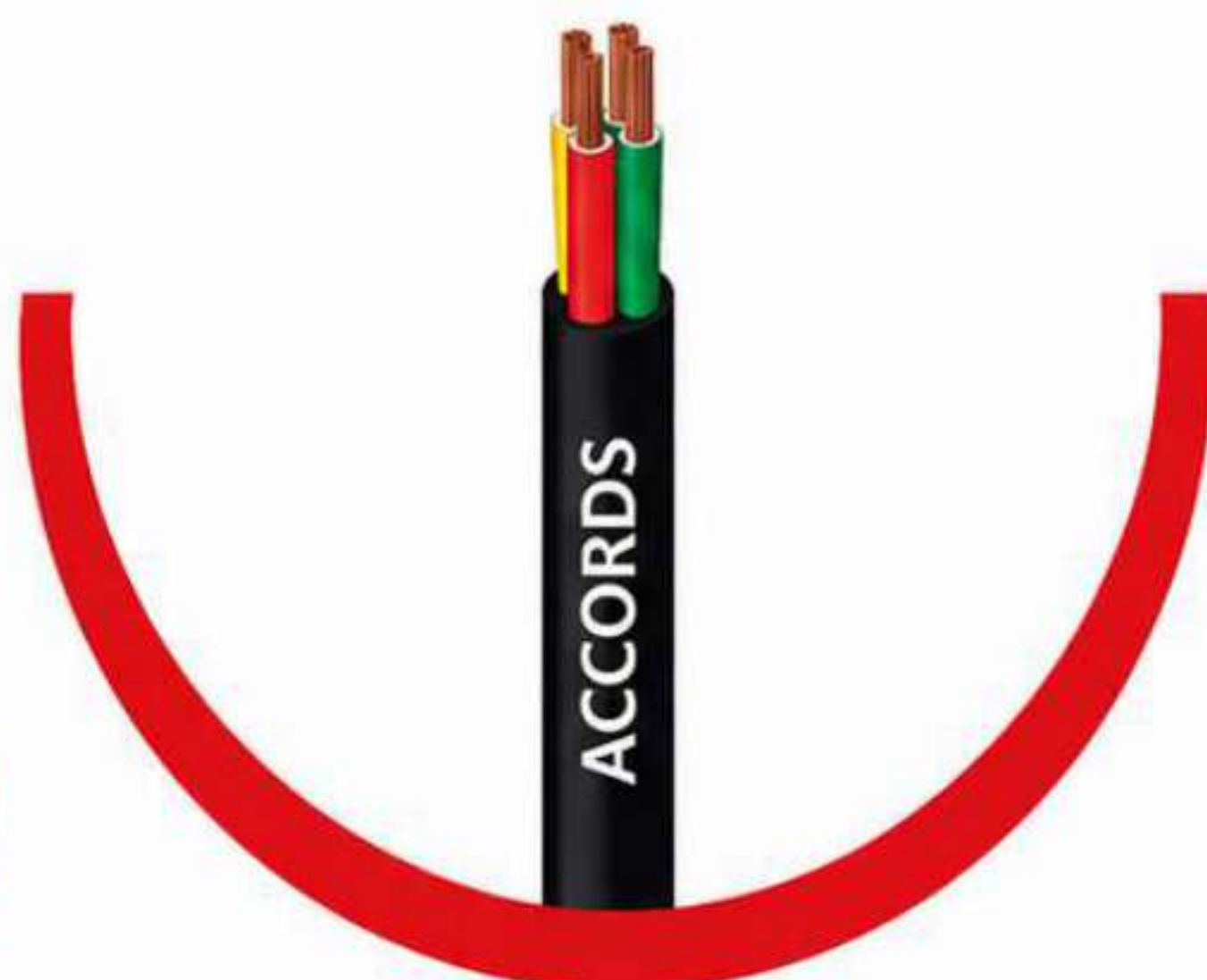
Hospitals



Industries

Multicore Flexible Cables

RADA Wires and Cables come with energy efficiency, fire resistant, fire retardant, lead-free & non-toxic properties.



Technical Specifications :

Approvals : IS : 694 - 2010
Conductor : Electrolytic grade annealed bare copper.
Sheath Colour : Standard Black, Gray and White on Order.
Packaging : 100 meters & 500 meters.
Category : O1, FR, FR-LSH

Applications :



Residential



Commercial



General
Purpose

Nominal Cross Sectional Area of Conductor	Number Nom. Dia. of Conductors	Thickness of Insulation (Nom.)	Nominal Thickness of Sheath			Appx. Overall Diameter			Current Rating AC	Voltage Drop/ Amp/ Meter	Max. Conductor Resistance per Km at 20°C
			2 Core	3 Core	4 Core	2 Core	3 Core	4 Core			
sq.mm	mm	mm	mm	mm	mm	mm	mm	mm	Amp	mV	Ohms
0.5	16/0.20	0.6	0.9	0.9	0.9	6.2	6.5	7.0	4	83	39.0
0.75	24/0.20	0.6	0.9	0.9	0.9	6.6	6.9	7.5	7	56	26.0
1.0	32/0.20	0.6	0.9	0.9	0.9	6.9	7.3	7.9	11	43	19.50
1.5	30/0.20	0.6	1.0	1.0	1.0	7.4	7.8	8.7	13	31	13.30
2.5	50/0.20	0.7	1.0	1.0	1.0	8.4	9.4	10.2	18	18	7.98
4.00	56/0.30	0.8	1.0	1.0	1.0	10.2	10.9	10.9	24	11	4.95
6.00	84/0.30	0.80	1.1	1.1	1.0	11.5	12.2	13.6	31	8	3.30
10.00	80/0.40	1.0	1.2	1.2	1.1	13.8	14.6	16.0	42	6	1.91

Submersible Flat Cables

RADA wires and cables manufactures Submersible Flat Cables with fire retardant, Fire resistant low - lead and non-toxic insulation properties. These cables are manufactured to offer energy saving, durability and endure voltage fluctuations. The PVC insulated and sheathed 3 core flat cables come high water-resistant, all weatherproof, longer flex life and abrasion resistant features.



Technical Specifications :

Approvals : IS 694 marked
Conductor : Electrolytic grade annealed bare copper.
Core Colour : Red / Yellow / Blue
Outer Sheath Colour : Black
Packaging : Standard Packaging of 500 meters and 1000 meters, available in rolls and drums.

Applications :



Agriculture Pump



Industries

Nominal area of Conduct	*Number / size of wire for each Core	Thickness of Insulation (Nom.)	Thickness of sheath (Nom.)	SHEATH Approx Overall dimension		Max Conductor Resistance at 20 °C (Max.)	Current Carrying Capacity at 40 °C
				Width (W)	Height (W)		
sq.mm	mm	mm	mm	(Nom.)mm	(Nom.)mm	ohk/km	Amps.
1.50**	32/0.25	0.6	0.9	10.1	4.7	12.1	13
2.50**	50/0.25	0.7	1.0	12.2	5.5	7.41	18
4.00	56/0.30	0.8	1.0	14.6	6.5	4.95	24
6.00	84/0.30	0.8	1.1	16.2	7.0	3.30	31
10.00	80/0.40	1.0	1.4	20.3	8.5	1.91	42

** Also available in Class 2 conductor as per IS specification.

Armoured Cables

(Underground Cable)

Rada wires and cables manufactures large range of armoured & unarmoured cables with high grade conductivity annealed mitstranded plain copper & aluminium conductor Type A.

PVC insulated cores color coded laid-up PVC tape inner sheathed GI WIRE armoured overall type S11

PVC sheathed generally conforming to IS : 1554 (Part-1)



Technical Specifications :

Applications :

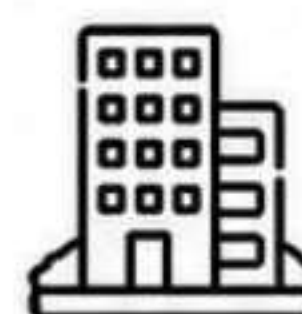
Minimum Order Quantity : 100 Meter
Insulation Material : PVC
Number of Core : 2 Core, 3 Core, 3.5 Core, 4 Core
Length : 100 m/500/1000 m
Packaging Size (M) : 100/500/1000 m
Drum Length (mm) : 500/1000
Power/Voltage : 1100 v



Residential



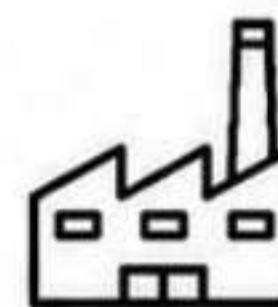
Commercial



High-rise
Buildings



Hospitals



Industries

Type	Cross Sectional Area Sq.mm	No of Cores	Nom. Thickness of PVC- Insulation (mm)	Min. Thickness of PVC- Sheath (mm)	Nom. Diameters of Armour (wire)	Min. Thickness of PVC- Inner Sheath (mm)	Overall Diameter (Approx) (mm)	Net Wt. of Cable (Approx) (Approx)	Max. D.C. Resistance at 27°C	Max. D.C. Resistance at 17°C		In Duct	In Air
					Size Wire	Size Wire	Size Wire	Size Wire	Ohms/Km	Ohms/Km	Amps	Amps	Amps
XFWY	1.5	1	0.8	0.3	- 1.40	- 1.24	- 13.5	- 370	18.1000	21.72	18	16	16
XFWY	2.5	1	0.9	0.3	- 1.40	- 1.24	- 15.0	- 460	12.1000	14.52	25	21	21
XFWY	4	1	1.0	0.3	- 1.40	- 1.24	- 16.5	- 560	7.4100	8.93	32	27	27
XFWY	6	1	1.0	0.3	- 1.40	- 1.24	- 17.5	- 660	4.6100	5.53	40	34	35
XFWY	10	1	1.0	0.3	- 1.40	- 1.24	- 20.0	- 820	3.0800	3.70	55	45	47
AYWY/2Y)FY	16	1	1.0	0.3	4x0.8 1.60	1.40 1.40	20.5 22.5	565 850	1.9100	2.29	70	58	59
AYWY/2Y)FY	25	1	1.2	0.3	4x0.8 1.60	1.40 1.40	24.0 25.0	760 945	1.2000	1.44	90	76	78
AYWY/2Y)FY	35	1	1.2	0.4	4x0.8 1.60	1.40 1.40	22.5 24.0	810 1080	0.8680	1.04	110	92	89
AYWY/2Y)FY	50	1	1.4	0.4	4x0.8 1.60	1.40 1.56	25.0 27.0	1000 1290	0.6410	0.77	135	115	125
AYWY/2Y)FY	70	19	1.4	0.7	4x0.8 1.60	1.56 1.56	28.0 29.5	1230 1510	0.4430	0.53	160	140	150
AYWY/2Y)FY	95	19	1.6	0.7	4x0.8 2.00	1.56 1.56	31.5 34.0	1520 2060	0.3200	0.38	190	170	185
AYWY/2Y)FY	120	19	1.6	0.7	4x0.8 2.00	1.56 1.72	33.5 35.5	1765 2360	0.290	0.30	210	190	210
AYWY/2Y)FY	150	19	1.8	0.7	4x0.8 2.00	1.72 1.72	37.0 39.5	2060 2700	0.290	0.20	240	210	240
AYWY/2Y)FY	185	37	2.0	0.7	4x0.8 2.00	1.88 1.88	41.0 45.0	2500 3175	0.1640	0.20	275	240	275
AYWY/2Y)FY	240	37	2.2	0.7	4x0.8 2.50	2.04 2.04	45.5 48.0	3075 4220	0.1250	0.15	320	275	325
AYWY/2Y)FY	300	37	2.4	0.7	4x0.8 2.50	2.20 2.20	50.0 53.5	3780 4950	0.1000	0.12	355	305	365
AYWY/2Y)FY	400	61	2.6	0.7	4x0.8 3.15	2.36 2.52	55.5 60.5	4560 6560	0.0778	0.09	395	345	420

CCTV Cable : CTT (Clear Transmission Technology)

Rada CCTV Cables transmit high quality, minimal loss of video signals for better picture quality. Our cables are designed for minimum distortion form adequate signal strength.

The range is available in 3+1 and 4+1 with White & Grey colours.

Technical Specifications :

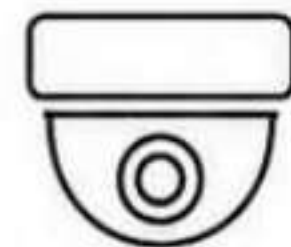
Both the cables come with electrolytic grade copper which is insulated with dielectric foam, taped with aluminium foil, jelly injected and aluminium alloy braided the outer sheathing is jacketed with high-quality compound, which is UV resistant.



Applications :



CCTV
Cameras



PTZ
Cameras

SPEAKER WIRE

Technical Specifications :

Electrolytic grade copper, annealed copper.
Cable Construction : The cables are manufactured with bright-annealed plain flexible electrolytic grade copper conductor, bunched compactly, insulated with specially formulated PVC compound, In order to offer uniform capacitance throughout length the distance between the two conductors is maintained uniformly.



Applications :



Speakers



Home Theaters

Vir Copper Wire Accords

Rada Wires and cables are manufactured from pure electrolytic grade C.C. rod copper and super grade PVC compound to ensure quality of highest standards and safety of national & international standards.



SIZE	Description	MM	Master Packing
3/20	2.5 sq.mm	0.36	20
7/20	4.0 sq.mm	0.36	18
7/18	6.0 sq.mm	0.44	8
7/54	10.0 sq.mm	0.54	6
7/16	16.0 sq.mm	0.64	6
19/16	50.0 sq.mm	0.64	2

Vir Aluminium Wire Accords

Wires and cables manufactures Wires from pure electrolytic grade C.C. rod copper, H2 garde aluminium and super grade PVC compound to ensure quality of highest standards and safety of international standards.

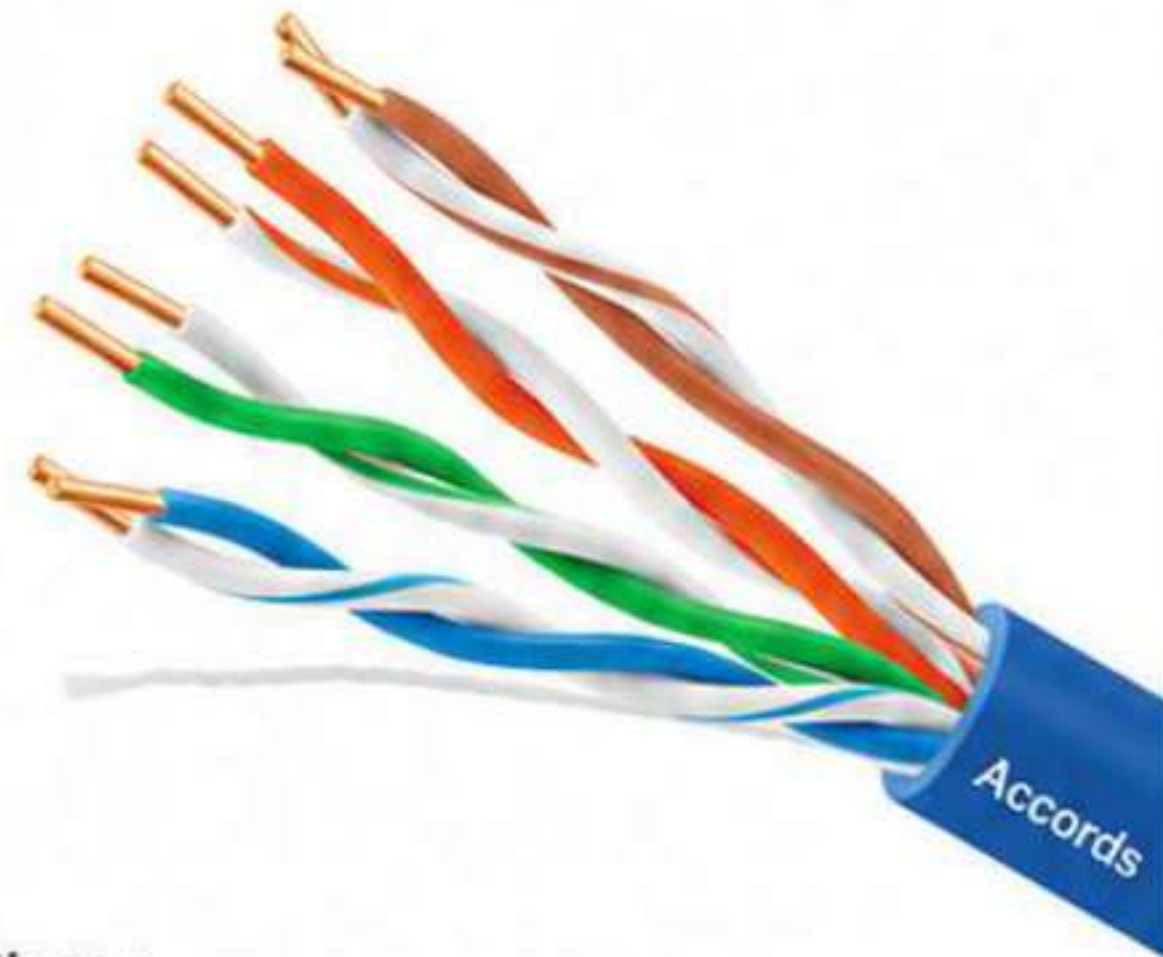


SIZE	Description	MM	Master Packing
3/20	2.5 sq.mm	0.36	20
7/20	4.0 sq.mm	0.36	18
7/18	6.0 sq.mm	0.44	8
7/54	10.0 sq.mm	0.54	6
7/16	16.0 sq.mm	0.64	6
19/16	50.0 sq.mm	0.64	2



NETWORKING CABLE

CAT 6, CAT 6+, CAT 6++, UTP, UHS (Ultra High speed), UV Cables are high performance cables ideal for modern computer network systems. Rada category known as CAT 6 comes with STAR SEPARATOR, UHS tech for very high-speed data transmission.



Applications :



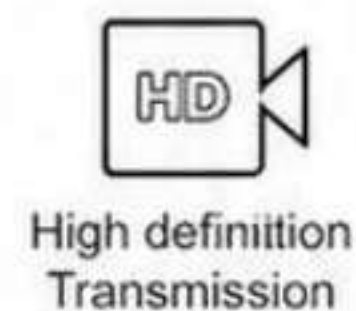
Co-axial Cable

Co-axial cable is made with metal shield to block signal interference. The cables are designed to allow the center conductor to transmit faster and clearer while being protected from damage and interference.

Technical Specifications :

Size : RG-59, RG-6, RG-11
Inner Conductor : Solid Copper, copper clad aluminium.
Insulation: UV resistance, High grade PVC component.
Outer Conductor : Bonded Poly-aluminium Tape, Braided with Aluminium Alloy Wire, Copper wire.
Outer Jacket : UV Resistant Black PVC Jacket.
Marking : Progressive Sequential Length Marking on Every Metre.
High Frequency Co-axial cables with copper braiding.

Applications :



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.

PROPERTIES

Low smoke zero halogen (LSZH), flame retardant.



Part Number	No. of Cores & Nominal Cross Section Area (Sq mm)	No. of Strands / Strand Diameter (mm)	Nominal Overall Diameter (mm)
100100201105	1x1.5	7/0.53	10.0
100100201205	2x1.5	7/0.53	11.5
100100201105	3x1.5	7/0.53	12.0
100100201205	3x2.5	7/0.67	12.5
100100201105	4x1.5	7/0.53	12.0
100100201205	4x2.5	7/0.67	13.5



Thank You!

FOR CHOOSING

RADA CABLES



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www.radacables.com