

20%
Higher Current
Carrying Capacity
Than FR Wires
Temperature Rating
85° C Type-C


POLY CELTM
WIRES & CABLES

Make the **Right choice** with
Poly Cel house wires



Flame Retardant



Water Resistant



Energy Efficient



High Oxygen



Anti Rodent

TRIPLE
Layer Coated



SUMAN CABLE INDUSTRIES

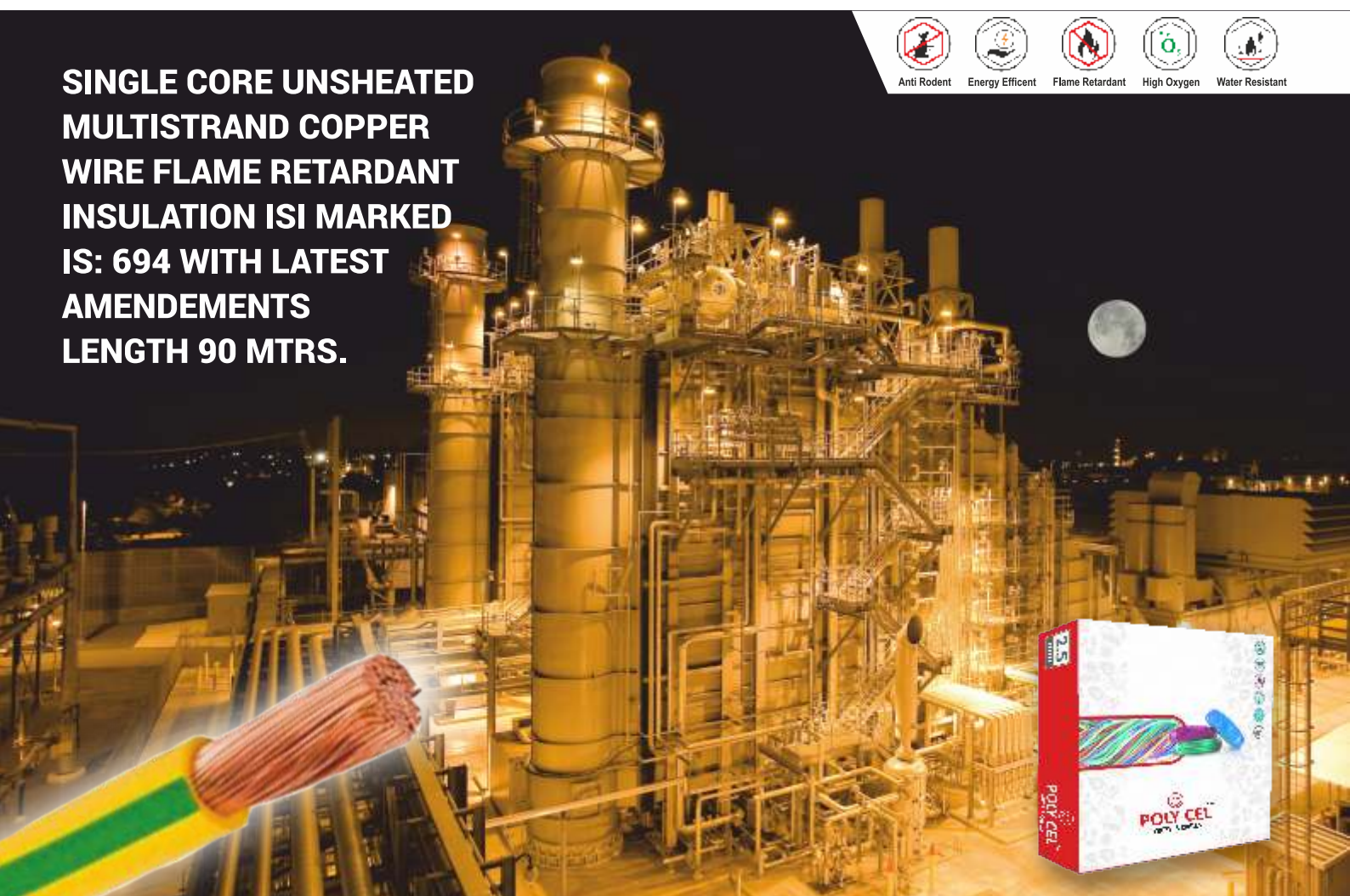
SWITCH TO
POLYCEL



POLY CEL™

WIRES & CABLES

**SINGLE CORE UNSHEATED
MULTISTRAND COPPER
WIRE FLAME RETARDANT
INSULATION ISI MARKED
IS: 694 WITH LATEST
AMENDMENTS
LENGTH 90 MTRS.**



S.No.	Size in MM	Nominal Area (Sq. MM)	Current Rating (AMP.)	Price ₹
1.	24/0.20	0.75	7	1100/-
2.	14/0.30	1.00	12	1390/-
3.	22/0.30	1.50	16	2075/-
4.	36/0.30	2.50	22	3310/-
5.	56/0.30	4.00	29	5040/-
6.	85/0.30	6.00	37	7500/-
7.	140/0.30	16.00	51	12450/-
8.	224/0.30	16.00	60	20040/-
9.	350/0.30	25.00	75	32360/-

SUMAN CABLE INDUSTRIES

56-B, Damodar Park, Dilshad Garden, Delhi- 110095



POLY CEL™

WIRES & CABLES



Anti Rodent



Energy Efficient



Flame Retardant



High Oxygen



Water Resistant

THREE CORE SHEATHED SUBMERSIBLE FLAT CABLE ISI MARKED IS: 694 WITH LATEST AMENDEMENTS LENGTH 100 MTRS.

S.No.	Size in MM	Nominal Area (Sq. MM)	Current Rating (AMP.)	Price ₹
1.	22/0.20	1.50	14	84.50/-
2.	36/0.30	2.50	19	128.75/-
3.	56/0.30	4.00	26	189.00/-
4.	85/0.30	6.00	31	275.50/-
5.	140/0.30	10.00	42	438.25/-
6.	224/0.30	16.00	57	700.00/-
7.	350/0.30	16.00	71	1034.50

SUMAN CABLE INDUSTRIES

56-B, Damodar Park, Dilshad Garden, Delhi- 110095

POLY CELTM
WIRES & CABLES

**THREE CORE SHEATHED SUBMERSIBLE FLAT
CABLE ISI MARKED IS: 694 WITH LATEST
AMENDMENTS LENGTH 100 MTRS.**



S.No.	Nominal Area (Sq. MM)	Twin Core Sheathed ₹	Three Core Sheathed ₹	Four Core Sheathed ₹
1.	0.50	1550.00	.....	.....
2.	0.75	1950.00	.....	.....
3.	1.0	2350.00	3275.00	4340.00
4.	1.5	3430.00	4700.00	6370.00
5.	2.5	5090.00	7420.00	10230.00
6.	4.0	7640.00	11275.00	15270.00
7.	6.0		17105.00	22400.00
8.	10.0		27900.00	36900.00

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POLY CEL™

WIRES & CABLES

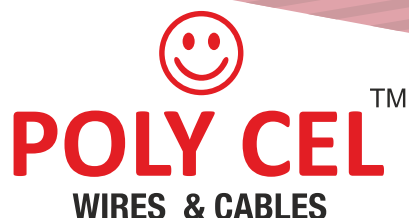
**PVC INSULATED ALUMINIUM CABLES 1100 VOLTS
GRADE WITH ISI MARKED CONFORMING IS: 694
(RATE PER COIL) LENGTH 90 MTS.**



S.No.	Nominal Area (Sq. MM)	Twin Core Sheathed ₹	Three Core Sheathed ₹	Four Core Sheathed ₹
1.	2.5	890.00	.....	.....
2.	4.0	1170.00	2070.00	.....
3.	6.0	1620.00	2850.00	.....
4.	10.0	2560.00	4100.00	5300.00
5.	16.0	3860.00	6550.00	8450.00
6.	25.0	.....	9520.00	12300.00
7.	35.0	.....	14100.00	17800.00

SUMAN CABLE INDUSTRIES

56-B, Damodar Park, Dilshad Garden, Delhi- 110095



Poly Cel CATV Co-axial Cables

(Electrolytic Grade solid annealed Copper conductor,
Jelly Field, Aluminium Foiled and Aluminium wire Braided)



Item / Type	Screen	List Price in ₹ per 90 m
RG 59 (Foam)	AI FOIL + AI BRAID	2060.00
RG 06 (Foam)	AI FOIL + AI BRAID	2480.00
RG 11 (Foam)	AI FOIL + AI BRAID	5915.00

CCS Co-Axial Cable

INDUSTRIAL GRADE RG-06 CCS CO-AXIAL CABLE 90 m

Item / Type	Screen	List Price in ₹ per 90 m
RG 06 CCS	AI FOIL + AI BRAID	1645.00

Poly Cel Computer LAN Network Cable

(Electrolytic Grade solid annealed Copper conductor,
4 Pair unshielded twisted pair (UTP) Industrial cables for LAN Network).



Item / Type	List Price in ₹ per 90 m
UTP CAT 6 COMPUTER LAN CABLE WITH STAR SEPARATOR 305 m - Grey	11450.00
UTP CAT 6 COMPUTER LAN CABLE WITH STAR SEPARATOR 305 m - Blue	11450.00
UTP CAT 6 COMPUTER LAN CABLE WITH STAR SEPARATOR 305 m - Yellow	11450.00
UTP CAT 6 COMPUTER LAN CABLE WITH STAR SEPARATOR 100 m - Grey	3760.00

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POLY CELTM
WIRES & CABLES

Poly Cel CCTV Camera Cable

PVC Insulated with Rg59 Co-axial cable copper conductor and PVC outer Sheathed CCTV Camera Cable



HSN CODE: 8544

Item / Type	List Price in ₹ per 90 m
CCTV 3+1	2260.00
CCTV 4+1	2530.00

Poly Cel Speaker Cable

(Poly Cel transparent FR PVC insulated, twin core copper conductor (Flexible) Industrial Speaker cable)



HSN CODE: 8544

Item / Type	List Price in ₹ per 90 m
SPEAKER 2x0.5 sq. mm IND. 1.1 kV CABLE- 100 m	1970.00
SPEAKER 2x0.75 sq. mm IND. 1.1 kV CABLE- 100 m	2920.00
SPEAKER 2x1.0 sq. mm IND. 1.1 kV CABLE- 100 m	3685.00
SPEAKER 2x1.5 sq. mm IND. 1.1 kV CABLE- 100 m	5310.00



Poly Cel Cotton Cable

Cloth Wrapped Cord

HSN CODE: 8544

Item / Type	List Price in ₹
2 Core	3000.00
3 Core	4029.00
3 Core Heavy	5275.00

SUMAN CABLE INDUSTRIES

56-B, Damodar Park, Dilshad Garden, Delhi- 110095





Eltrico Enterprises Pvt Ltd

Electrifying Excellence



About The Company

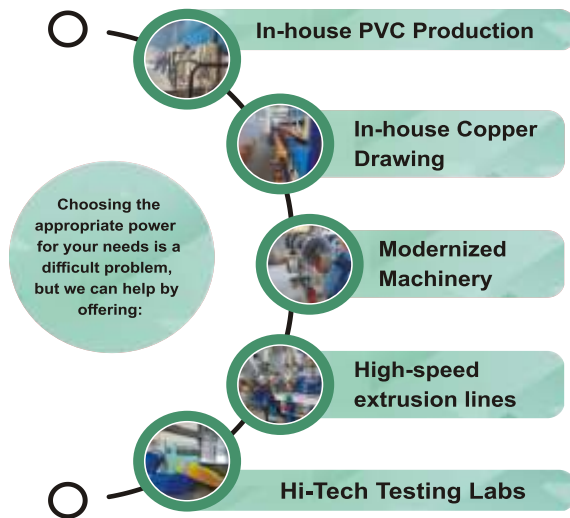
Eltrico, not just a name but a symbol of trust and quality. With over a decade of market presence Eltrico has left its mark as one of the leading manufacturer and seller of electrical wires and cables, and Fast-Moving Electrical Goods. Eltrico is an electrical products brand that was established in 2024. We have an extensive knowledge of and expertise in manufacturing and marketing of wires & cables since 1984. We then expanded our business under the aegis of SUMAN CABLE INDUSTRIES in 2022. Our company was incorporated as a private limited company namely "Eltrico Enterprises Private Limited" on 03rd July, 2024. New name but with the same old values with an everlasting desire to continue to provide the country with supreme quality products and help in nation building. We are well-known for our commitment to quality and standards and our reputation for manufacturing superior-quality products is second to none. We offer a wide range of electrical products including House Wire, Industrial Cables, Single and Multicore Flexible Cables, 3 core flat cables, Aluminium cables, Submersible Poly Winding Wire, Signal cables, CAT6 cables, HT/LT Power Cables and all cable solutions, Bare and Fine Copper Wire. We've been in the business of meeting consumer needs with quality product offerings and services since we first opened our doors and continue to do so today. We have a team of qualified, skilled and experienced professionals who are always ready to face the market challenges and deliver on our promises.





Eltrico Enterprises Pvt Ltd

Electrifying Excellence



All these factors lead to a smooth and sturdy production pipeline which ensures 100% quality control.

Our facilities in Kashipur, Uttarakhand have BIS accredited labs where our highly trained and professional engineers are constantly testing out products and are working towards making our products superior and cost effective by the day.

All this guarantees that all products manufactured by us are up to and beyond national standards.





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HEAT RESISTANT - FLAME RETARDANT (HR-FR)

Eltrico® Cables makes Single Core, Unsheathed, Multi Strand Flexible, High Conductivity Plain Annealed Copper, HR FR PVC Insulated Industrial Cables in Voltage Grade up to and including 1100 Volts, as per IS 694, with latest amendments.

Basic Code	Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Number *Nominal Dia. of Strands	Approx. Overall Diameter(mm)	Max. DC Conductor Resistance at 20°C (Ω/km)	Current Rating (Amps)	
						Casing	Concealed
BEIHWFX..CX75	0.75**	0.6	24/0.2	2.3	26.0	9	8
BEIHWFX..C1X0	1	0.7	14/0.3	2.7	18.1	14	13
BEIHWFX..C1X5	1.5	0.7	22/0.3	3.0	12.1	18	16
BEIHWFX..C2X5	2.5	0.8	36/0.3	3.7	7.41	24	20
BEIHWFX..C4X0	4**	0.8	56/0.3	4.1	4.95	30	26
BEIHWFX..C6X0	6**	0.8	84/0.3	4.6	3.30	38	33

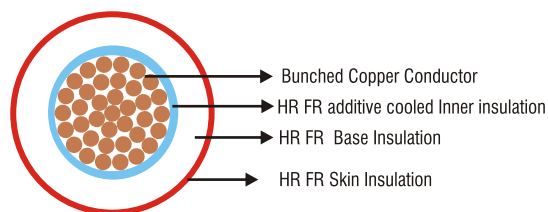
Kindly replace .. with the following for exact basic codes with colours:
01-Red, 02-Blue, 03-Black, 04-Yellow, 05-White, 06-Green, 07-Grey.

APPLICATION

There is an ever increasing load of electronics and electrical equipments in our lives. More equipment gets plugged into a system than what it is designed to handle. This overloading leads to reduction of cable life and ultimately a short circuit. Normal PVC cables are suitable for maximum operating temperature of 70°C whereas **Eltrico®** HR FR Cables can operate continuously up to 85° Centigrade. The FR property of the insulation retards the propagation of flame without compromising with safety, enhancing the life of an electrical system and giving you protection you deserve.

TECHNICAL DATA

Nominal Voltage (UO/U)	: 600 / 1100 V.
Max Operating Temperature	: 85°C
Temperature Range	: -15°C to + 85°C
Approvals	: IS 694, FIA/TAC
Oxygen Index	: Minimum 29%
Temperature Index	: Minimum 250°C



Available Colours: Red, Blue, Black, Yellow, White, Grey and Green (for Earthing)

Packing : 90 mtr. coils packed in protective cartons.
Project coils of 180 mtr. length also available.



FLAME RETARDANT - LOW SMOKE HALOGEN (FR-LSH)

Eltrico® Cables makes Single Core, Unsheathed, Multi Strand Flexible, High Conductivity Plain Annealed Copper, FR-LSH PVC Insulated Industrial Cables in Voltage Grade up to and including 1100 Volts, as per IS 694 with latest amendments.

Basic Code	Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Number *Nominal Dia. of Strands	Approx. Overall Diameter(mm)	Max. DC Conductor Resistance at 20°C (Ω/km)	Current Rating (Amps)	
						Casing	Concealed
BEIHWLX..C1X0	1	0.7	14/0.3	2.7	18.1	14	13
BEIHWLX..C1X5	1.5	0.7	22/0.3	3.0	12.1	18	16
BEIHWLX..C2X5	2.5	0.8	36/0.3	3.7	7.41	24	20
BEIHWLX..C4X0	4**	0.8	56/0.3	4.1	4.95	30	26
BEIHWLX..C6X0	6**	0.8	84/0.3	4.6	3.30	38	33

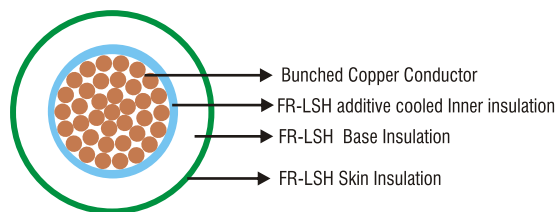
Kindly replace .. with the following for exact basic codes with colours:
01-Red, 02-Blue, 03-Black, 04-Yellow, 05-White, 06-Green, 07-Grey.

APPLICATION

FR-LSH has special flame retardant, low smoke emitting and toxic fumes suppressing properties. **Eltrico®** FR-LSH Cables have an Oxygen Index of 30% which increases its efficiency in retarding flames. In the case of fire, conventional PVC Insulated wires give out thick black smoke and toxic fumes of hydrochloric acid gas. This impairs visibility and hampers rescue operations. FR-LSH on the contrary, not only emits very little smoke and toxic gases, but also retards the spreading of flame.

TECHNICAL DATA

Nominal Voltage (UO/U)	: 600 / 1100 V.
Max Operating Temperature	: 70°C
Temperature Range	: -15°C to + 70°C
Approvals	: IS 694. FIA/TAC
Oxygen Index	: Minimum 29%
Temperature Index	: Minimum 250°C
Smoke Density Rating	: Maximum 60%
Acid Gas Generation (HCL %)	: Maximum 20%



Available Colours: Red, Blue, Black, Yellow, White, Grey and Green (for Earthing)

Packing : 90 mtr. coils packed in protective cartons.
Project coils of 180 mtr. length also available.



ZERO HALOGEN FLAME RETARDANT (ZHFR)

Eltrico® Cables makes Zero Halogen Flame Retardant, Single Core, Unsheathed, Multi Strand Flexible, High Conductivity Plain Annealed Copper, ZHFR PVC Insulated Industrial Cables in Voltage Grade up to and including 1100 Volts, as per IS 17048 with latest amendments.

Basic Code	Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Number *Nominal Dia. of Strands	Approx. Overall Diameter(mm)	Max. DC Conductor Resistance at 20°C (Ω/km)	Current Rating (Amps)	
						Casing	Concealed
BEIHWZX..C1X0	1	0.7	14/0.3	2.7	18.1	19	17
BEIHWZX..C1X5	1.5	0.7	22/0.3	3.0	12.1	24	21
BEIHWZX..C2X5	2.5	0.8	36/0.3	3.7	7.41	37	29
BEIHWZX..C4X0	4**	0.8	56/0.3	4.1	4.95	41	33
BEIHWZX..C6X0	6**	0.8	84/0.3	4.6	3.30	53	43

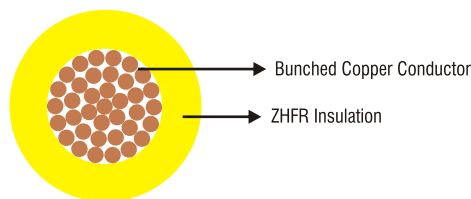
Kindly replace .. with the following for exact basic codes with colours:
01-Red, 02-Blue, 03-Black, 04-Yellow, 05-White, 06-Green, 07-Grey.

APPLICATION

ZHFR (Zero Halogen Flame Retardant) wiring cables are made with an imported specially formulated Cross Linked Thermoset Material which is a product of the most advanced polymer technology. It does not emit the highly corrosive halogen acid gases/toxic fumes and there is almost Zero smoke. In case of fire, the conventional wiring cable will produce toxic gases which are very harmful for the environment and also hamper the rescue operations as they hinder visibility. To combat this type of situation ZHFR Flame Retardant wiring cables are very effective.

TECHNICAL DATA

Nominal Voltage (UO/U)	: 600 / 1100 V.
Max Operating Temperature	: 90°C
Temperature Range	: -15°C to + 90°C
Approvals	: IS 17048, FIA/TAC
Acid Gas Generation (HCL %)	: Maximum 0.5%
Oxygen Index	: Minimum 29%
Temperature Index	: Minimum 250°C



Available Colours: Red, Blue, Black, Yellow, White, Grey and Green (for Earthing)

Packing : 90 mtr. coils packed in protective cartons.
Project coils of 180 mtr. length also available.



SINGLE CORE CABLES

APPLICATION

The cables are suitable for conduit wiring, and are available in both HR-FR and FR-LSH Insulations.

TECHNICAL DATA

Applicable Standard : IS 694 with latest amendments.

Voltage Rating : up to and including 1100V

Temperature Range : -15°C to 85°C

Packing : 100 mtr coils are available as standard. Longer lengths will be made available on request.

CONDUCTOR

Conductor : Electrolytic Grade Annealed Bare Copper.

Insulation : HR-FR and FR-LSH Type PVC Insulation.

CABLE DESIGN PARAMETERS

Please complete the basic code by doing the following:

- 1) Replace _ with FX for HR-FR and LX for FR-LSH Insulation.
- 2) Replace .. with colour code as: 01-Red, 02-Blue, 03-Black, 04-Yellow, 05-White, 06-Green, 07-Grey.
- 3) Other colours available on request.



Basic Code	Nominal Cross Section Area (Sq. mm)	No of Strands/Max. Strand Diameter (mm)	Nominal Insulation Thickness (mm)	Maximum Diameter Over Insulation (mm)
BEIHW_..CX50	0.5	16/0.2	0.6	2.6
BEIHW_..CX75	0.75	24/0.2	0.6	2.8
BEIHW_..C1X0	1	14/0.3	0.6	3.0
BEIHW_..C1X5	1.5	22/0.3	0.6	3.4
BEIHW_..C2X5	2.5	36/0.3	0.7	4.1
BEIHW_..C4X0	4	56/0.3	0.8	4.8
BEIHW_..C6X0	6	84/0.3	0.8	5.3
BEIHW_..C010	10	140/0.3	1.0	7.0
BEIHW_..C016	16	126/0.4	1.0	8.1
BEIHW_..C025	25	196/0.4	1.2	10.2
BEIHW_..C035	35	276/0.4	1.2	11.7
BEIHW_..C050	50	396/0.4	1.4	13.9
BEIHW_..C070	70	360/0.5	1.4	16.0
BEIHW_..C095	95	480/0.5	1.6	18.2
BEIHW_..C120	120	608/0.5	1.6	20.2



MULTICORE FLEXIBLE CABLES

Eltrico® 1100V Grade Multi Strand Flexible Annealed Bare Copper Conductor, PVC Insulated and PVC Sheathed Multicore Cables.

APPLICATION

These cables are designed for residential and commercial infrastructure. They serve as the connecting medium in power and control panels, cabinets & switch gears. They are also used for the purposes such as stationary and static appliances, motors and for other connections.

TECHNICAL DATA

Approvals : IS 694 marked, FIA / TAC.

Conductor : Electrolytic grade annealed bare copper as per IS 8130.

Voltage : Up to and including 1100V.

Packing : Standard packing of 100 mtr. in coil. Longer length available on request.

Insulation : HR-FR and FR-LSH insulation as per IS:5831.

Sheathing : ST2 FR and ST3 FR-LSH.



CABLE DESIGN PARAMETERS

Please complete the basic code by doing the following:

- 1) Replace _ with FX for HR-FR and LX for FR-LSH Insulation.
- 2) Replace .. with No. of Cores (1,2,3,4)

Basic Code	Nominal Cross Section Area (Sq. mm)	No of Strands/Max. Strand Diameter (mm)	Max. D.C. Conductor Resistance at 20°C (Ohm/km)	Nominal Insulation Thickness (mm)	Sheath Thickness Nominal				Maximum Overall Dimensions			
					1 Core mm.	2 Core mm.	3 Core mm.	4 Core mm.	1 Core mm.	2 Core mm.	3 Core mm.	4 Core mm.
BEI..CR_CX50	0.5	16/0.2	39.0	0.6	0.9	0.9	0.9	0.9	4.3	6.9	7.3	8.0
BEI..CR_CX75	0.75	24/0.2	26.0	0.6	0.9	0.9	0.9	0.9	4.5	7.3	7.7	8.4
BEI..CR_C1X0	1	20/0.25	19.5	0.6	0.9	0.9	0.9	0.9	4.7	7.6	8.1	8.8
BEI..CR_C1X5	1.5	30/0.25	13.3	0.6	0.9	0.9	0.9	1.0	5.4	8.9	9.4	10.4
BEI..CR_C2X5	2.5	50/0.25	7.98	0.7	1.0	1.0	1.0	1.0	6.2	10.3	10.9	12.0
BEI..CR_C4X0	4	56/0.3	4.95	0.8	1.0	1.0	1.0	1.0	6.8	11.6	12.4	13.6
BEI..CR_C6X0	6	84/0.3	3.30	0.8	1.1	1.1	1.2	1.2	7.5	13.0	13.8	15.5
BEI..CR_C010	10	140/0.3	1.9	1.0	1.3	1.3	1.4	1.4	9.4	16.5	17.7	19.5
BEI..CR_C016	16	126/0.4	1.21	1.0	1.4	1.4	1.4	1.4	10.9	19.4	20.6	23.0
BEI..CR_C025	25	196/0.4	0.780	1.2	1.4	1.4	1.5	1.6	13.6	23.8	25.6	28.5
BEI..CR_C035	35	276/0.4	0.554	1.2	1.6	1.6	1.6	1.7	15.5	27.2	29.3	32.7
BEI..CR_C050	50	396/0.4	0.386	1.4	2.0	2.0	2.0	2.0	18.1	32.0	34.6	38.6
BEI..CR_C070	70	360/0.5	0.272	1.4	2.2	2.2	2.2	2.2	20.8	36.8	39.6	44.3
BEI..CR_C095	95	480/0.5	0.206	1.6	2.4	2.4	2.4	2.4	23.6	41.8	47.0	50.2
BEI..CR_C120	120	608/0.5	0.161	1.6	2.5	2.5	2.5	2.5	26.0	46.2	51.0	55.7



CO-AXIAL CABLES

Eltrico® Co-axial cables (or "coax") is the most common cable used for transmitting video signals, "co-axial" refers to the common axis of the two conductors. Co-axial cable also offers high bandwidth per channel and low noise & crosstalk which makes the medium of choice for delivering high definition video to and within the home, short co-axial cables are used to connect equipment, such as TV's, DVR, VCR and CATV etc.

Construction Details		Cable Type	
		RG 6	RG 11
Part Number		BEIRG06	BEIRG11
Inner conductor		Copper	Copper
Nominal Diameter (mm)		1.02	1.63
Dielectric		Foam PE	Foam PE
Nominal Diameter (mm)		4.5	7.0
Outer Conductor	First	Bonded Al Tape	Bonded Al Tape
	Second	Tinned Cu/Al Braid	Tinned Cu/Al Braid
Nominal Coverage (%)		60	60
PVC Jacket		Black	Black
Nominal Cable Diameter (mm)		7.0	10



PRODUCT CONSTRUCTION :

- Range** : RG-6 & RG-11
- Conductor** : A Co-axial cable has a solid copper center conductor surrounded by a non-conductive Dielectric Insulating Material Highly Electrolytic annealed plain copper is used to provide the best quality transmission.
- Insulation** : FOAM PE Insulation is provided over the conductor which is Di-Electric in nature which prevents any signal interferences.
- Key Applications** : These cables are used for transmission of video and audio signals and are used in DTH/CATV Industry. The Number of CATV channels increasing by the day. These cables are ideal for such multi channel applications.
- Color** : Black
- Markings** : Bonson RG-6(/RG-11) Co-Axial Cable.
- Packing** : Supplied in 100 mtr. attractive cartons & 305 mtr wound over non returnable drum.



CAT 6 COPPER CABLE 23 AWG WITH HR-FR PVC JACKET

Eltrico® CAT 6, is a standardized twisted four pair cable for Ethernet and other network physical layers that is backward compatible with the Category 5/5e and Category 3 cable standards. It is a high-speed, high performance, cable capable of carrying high bit-rate signaling for extended distances in horizontal cabling. Signal amplifiers are not required for a length of 180 feet (55 m). These cables form the back bone of modern data transmission in industries, residential and commercial infrastructure.

TECHNICAL DATA

Performance : **Eltrico®** enhanced CAT 6 capable of handling 100 + Mbps data rates verified to exceed the requirements of EN 50173, ISO/IEC 11801 and TIA/EIA 568-B-1/B-2.

CABLE CONSTRUCTION

Conductor : Solid bare copper

Insulation : High density polyethylene

Pair : 2 Insulated conductors twisted together

Outer Jacket : HR-FR PVC

Packing : CAT 6 is available only in 305 mtr. pack

Type	CAT 6
Basic Code	BEIFXCAT6

Mechanical and Environmental Properties	
Max. Tensile Load :	10 Kgs. per simplex cable (Installation)
Min. Bend Radius :	8 x Outer Diameter (Installation) 4 x Outer Diameter (Operation)
Temp. - Installation :	0°C to + 50°C
Temp. - Operation :	-10°C to + 60°C



Electrical Parameters at 20°C

Electrical Characteristics at 20°C	Specification	Typical Performance
		CAT 6
Conductor loop resistance	Max. 190/100m	140/100m
Conductor resistance unbalance	Max. 2%	0.5%
Dielectric strength	1.0 kV DC or 0.7 kV AC for 1 min.	100% in process test
Insulation resistance	>500 MΩ/Km at 100-500V test voltage	> 500 MΩ/Km
Capacitance unbalance to earth	Max. 160 pF/100m	40 pF/100m
Velocity of propagation	<534 nsec/100m at 100MHz	490 nsec/100m at 100 MHz (NVP for hand held testers = 0.69)
Skew	Max. 40 nsec/100m at 100MHz	Max. 30 nsec/100m at 100 MHz
Mean characteristic impedance	1000 ± 50 at 100 MHz	1000 ± 30 at 100 MHz
Coupling attenuation up to 1 Ghz	Min. 40 dB	56 dB



SPEAKER CABLE

Eltrico® Speaker cables are best to use in connecting speakers, audio amplifiers and public address systems and provide high fidelity signal transfer without any losses.

CABLE DESIGN PARAMETERS

Operating Temperature : Max. 70 Degree C.

Conductor : Bright Annealed Electrolytic Grade Copper Conductor.

An uniform distance is maintained between the two conductors to provide a uniform capacitance.

Colours Available : Transparent and Black with a red tracer along one conductor for polarity identification.

Packing : 90 mtr. coils are available as standard.



Kindly complete the Basic Codes by replacing .. with 01: Transparent, 02:Black.

Part Number	Conductor Construction			Maximum Overall Dimensions (W X H) (mm)
	Equivalent AWG	Nominal Cross Sectional Area (Sq. mm)	Max. DC Conductor Resistance at 20°C (Ω/km)	
BEISC..CX50	22	0.5	39.0	4.2 x 2.1
BEISC..CX80	19	0.8	26.0	4.7 x 2.4
BEISC..C1X0	18	1.0	19.5	5.7 x 2.9
BEISC..C1X5	16	1.5	13.3	6.0 x 3.0
BEISC..C2X5	14	2.5	8.0	7.0 x 3.6
BEISC..C4X0	12	4.0	5.0	8.4 x 4.1
BEISC..C6X0	10	6.0	3.3	9.6 x 4.7

Recommended length

Wire Size	2Ω load	4Ω load	6Ω load	8Ω load
22 AWG	3ft (0.9m)	6ft (1.8m)	9ft (2.7m)	12ft (3.6m)
19 AWG	5ft (1.5m)	10ft (3m)	15ft (4.5m)	20ft (6m)
18 AWG	8ft (2.4m)	16ft (4.9m)	24ft (7.3m)	32ft (9.7m)
16 AWG	12ft (3.6m)	24ft (7.3m)	36ft (11m)	48ft (15m)
14 AWG	20ft (6.1m)	40ft (12m)	60ft (18m)	80ft (24m)
12 AWG	30ft (9.1m)	60ft (18m)	90ft (27m)	120ft (36m)
10 AWG	50ft (15m)	100ft (30m)	150ft (46m)	200ft (61m)



TELEPHONE CABLES

Eltrico® Telephone Wires are used for switchboard and telephone wiring in residential and commercial infrastructure, for transmission of analog and digital signals, wiring in faxes, modems, alarm annunciators, data recording / acquisition systems and various communication devices.

TECHNICAL SPECIFICATIONS

Conductor : Solid, Electrolytic Grade, Annealed Bare Copper Conductor.

Insulation : Highest Quality Polyethylene.

Twisted Pairs : In order to provide minimal crosstalk between the cores, the cores are carefully twisted with optimal lays and bunched together to deliver minimised cross talk.

Jacket : Specially formulated flame retardant (FR) PVC.

Packing : Available in 90 mtr. length as standard. Higher lengths available on special request.



CABLE DESIGN

Basic Code	Size (mm)	No. of Pairs	Approx. Overall Diameter (MM)
BEITC02CX40	0.4	2	3.9
BEITC03CX40	0.4	3	4.3
BEITC04CX40	0.4	4	4.7
BEITC05CX40	0.4	5	5.2
BEITC10CX40	0.4	10	6.5
BEITC20CX40	0.4	20	9.2
BEITC02CX50	0.5	2	4.2
BEITC03CX50	0.5	3	4.7
BEITC04CX50	0.5	4	5.1
BEITC05CX50	0.5	5	5.7
BEITC10CX50	0.5	10	7.0
BEITC20CX50	0.5	20	10



3 CORE FLAT SUBMERSIBLE CABLES

APPLICATION

The PVC insulated and PVC sheathed 3 core flat cables are mainly used in motor and pump connections. They are also used in many industrial applications. The sheath is specially made out to resist tough and difficult outdoor conditions & has excellent resistant to water.

FEATURES

99.95% Electrolytic Grade Copper | High Conductivity | Better Thermal Stability | Abrasion Resistant PVC Compound | High Ageing Property | Impervious to water, oil & Grease.

CONDUCTOR

Thin strands of electrolytic copper having highest purity, least resistance are multi drawn for uniformity in dimension and plants, Sea water handling equipment's, etc.

TECHNICAL DATA

Approvals : IS 694 marked, FIA/TAC.

Voltage Grade : Up to and including 1100V.

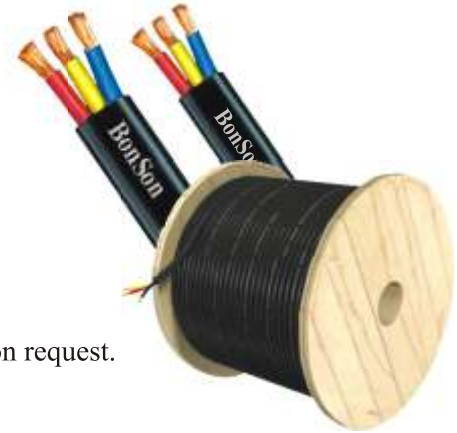
Conductor : Electrolytic Grade Copper as per IS 8130.

Insulation: HR-FR PVC Insulation as per IS:5831.

Core Colour : Red, yellow (centre core), blue.

Sheath : ST1, Black Colour Outer PVC.

Packing : Standard packing of 100 mtr. in coils. Longer length available on request.



CABLE DESIGN PARAMETERS

Basic Code	Conductor Construction		Conductor resistance at 20°C (Ω/km) Max.	Nom. Insulation thickness (mm)	Nominal Sheath Thickness (mm)	Approx. overall dimensions (W X H) (mm) +/- 0.5 mm	Current carrying capacity (Ampere)
	Cross sectional area (Sq. mm)	No./Max. dia of strands (mm)					
BEI3CFC1X5	1.5*	22/0.3	12.1	0.6	0.9	12.0 X 5.6	18
BEI3CFC2X5	2.5*	36/0.3	7.41	0.7	1.0	13.0 X 6.2	24
BEI3CFC4X0	4	56/0.3	4.95	0.8	1.0	15.3 X 7.1	28
BEI3CFC6X0	6	84/0.3	3.30	0.8	1.1	19.2 X 8.4	36
BEI3CFC010	10	140/0.3	1.91	1.0	1.4	24.2 X 10.4	48
BEI3CFC016	16	126/0.4	1.21	1.0	1.4	29.0 X 12.4	64
BEI3CFC025	25	196/0.4	0.78	1.2	2.0	36.5 X 15.7	80



POLY SUBMERSIBLE WINDING WIRES

Eltrico® proudly presents the Poly Wrapped Winding wire commonly known as "SUBMERSIBLE COPPER WINDING WIRE." The copper conductor is wrapped with thin polyester film & Biaxial Oriented Poly Propylene (BOPP) films. The Modern plant with sophisticated wrapping heads & offline electrical heat shrink Oven is installed to get uniform covering. A complete quality assurance testing by instruments covering all governing standards is available.

APPLICATION

Used in submersible pump motors of all sizes for domestic and industrial applications.

PACKINGS

Available in coil form with sustainable length as per size, in polythene bag and packed in inner & outer corrugated boxes.

SPECIAL SALIENT FEATURES

- ★ Saves energy - ETP grade high conductivity annealed copper used.
- ★ Less current leakage - No air gap between the films.
- ★ Tear resistant - High mechanical strength - High tensile strength.
- ★ Each coil tested at 3500 V.
- ★ Heat shock test at 150°C.
- ★ Easy winding - Resistance annealed copper and controlled OD.



TECHNICAL SPECIFICATIONS

Nom. Conductor Diameter (mm)	Tolerance +/- mm	Overall Diameter Approx. (mm)	Conductor Resistance at 20°C ohms/km Max.	Weight Per Km (Kg.)	Elongation Minimum (mm)
0.50	0.005	0.80	87.78	2.04	25
0.60	0.006	0.90	60.96	2.86	26
0.70	0.007	1.00	44.78	3.84	28
0.80	0.008	1.10	34.29	4.96	28
0.90	0.009	1.25	27.09	6.36	29
1.00	0.010	1.40	21.94	7.75	30
1.10	0.011	1.50	18.14	9.28	30
1.20	0.012	1.60	15.24	10.95	31
1.30	0.013	1.70	12.98	12.76	32
1.40	0.014	1.80	11.20	14.71	32
1.50	0.015	1.95	9.75	16.80	32
1.60	0.016	2.05	8.57	19.02	32
1.70	0.017	2.20	7.59	21.72	32
1.80	0.018	2.30	6.77	24.25	32
1.90	0.019	2.40	6.08	26.91	32
2.00	0.020	2.50	5.49	29.71	33
2.10	0.021	2.60	4.98	32.66	33
2.20	0.022	2.70	4.53	35.74	33
2.30	0.023	2.80	4.15	38.97	33
2.40	0.024	2.90	3.81	42.32	33



SOLAR CABLES

Eltrico® Solar cables are intended for use in photovoltaic power supply systems and similar applications as free hanging, movable, fixed installation and buried in ground in constructional covered systems. The cables can be used indoor, outdoor, in hazard explosion areas, in industry and agriculture. They are suitable for applications in equipment with protective insulation (protecting Class 2). Solar energy is converted into electrical energy by means of arrays of photovoltaic modules. Specially designed Photovoltaic cables are used in these modules. Solar Cables are designed to meet the growing needs of the solar industry. Our solar cables is just the beginning of our plans to develop and launch green technology in wires & cables. Solar Cables are flexible and are resistant to abrasion & moisture. Regardless of your panel- to-grid needs, we have the cables to meet your requirements.

ELECTRICAL SPECIFICATION

Voltage Rating: AC 0.6 / 1.0 KV.

Max permissible operating voltage: AC 0.7 / 1.2 kV, DC 0.9 / 1.8 kV.

CABLE CONSTRUCTION

Conductor : Electrolytic Grade, Flexible Multi Strand, tinned copper conductor
(as per IEC 60228:2005) Class 5.

Insulation : Cross linked Halogen Free & Flame Retardant Insulation.

Sheath : Cross linked Halogen Free & Flame Retardant Sheath (in Red and Black).



CABLE DESIGN

Please complete the Basic Codes for these cables by adding the suffix

(in place of _) for the insulation colour required as per the list : 01 - black, 02 - red.

Basic Code	Nominal Cross Section Area (Sq. mm)	Insulation Thickness (mm)	Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm) as per EN	Current Carrying Capacity According to Method of Installation			Max. Conductor Resistance at 20°C, (Ω /Km)
					Single Cable free in air (A)	Single Cable on a surface (A)	Two Loaded Cables touching, as a surface (A)	
BEISOC_TC1X5	1.5	0.70	0.80	4.66	30	29	24	13.7
BEISOC_TC2X5	2.5	0.70	0.80	5.09	41	39	33	8.21
BEISOC_TC4X0	4	0.70	0.80	5.59	55	52	44	5.09
BEISOC_TC6X0	6	0.70	0.80	6.13	70	67	57	3.39
BEISOC_TC010	10	0.70	0.80	7.07	98	93	79	1.95
BEISOC_TC016	16	0.70	0.90	8.32	132	125	107	1.24
BEISOC_TC025	25	0.90	1.00	10.14	176	167	142	0.795
BEISOC_TC035	35	0.90	1.10	11.49	218	207	176	0.565
BEISOC_TC050	50	1.00	1.20	13.33	276	262	221	0.393
BEISOC_TC070	70	1.10	1.20	15.19	347	330	278	0.277
BEISOC_TC095	95	1.10	1.30	16.94	416	395	333	0.210
BEISOC_TC120	120	1.20	1.30	18.71	488	464	390	0.164



LT-POWER-XLPE/PVC CABLES

PRODUCT RANGE

1100 Volts Grade, Armoured and Unarmoured Cables up to 240 Sq. mm.

TECHNICAL PARAMETERS

Voltage Grade	: 1100 V.
Relevant Standards	: IS 7098 / Part-1.
Number of Cores	: Single Core up to Four Cores.
Type of Conductor	: Copper and Aluminium.
Type of Insulation	: XLPE.
Inner Sheath	: Extruded PVC.
Type of Armouring	: GI Flat Strip or GI Round Wire.
Outer Sheath	: ST-1 or ST-2 PVC



Sr. No.	Constitute	Code Letter
1.	Aluminium Conductor	A
2.	XLPE (Cross-Linked Polyethylene) Insulation	2X
3.	Steel Round Wire Armour	W
4.	Non-magnetic Round Wire Armour	Wa
5.	Steel Strip Armour	F
6.	Non-magnetic Strip Armour	Fa
7.	Double Steel Round Wire Armour	WW
8.	Double Steel Strip Armour	FF
9.	PVC Outer Sheath	Y
10.	Polyethylene Outer Sheath	2Y
11.	Metallic Screening (usually of Copper)	C
12.	Metallic Screening (usually of Copper) over each individual core.	CE
13.	Holding Helix Tape (of Steel)	Gb



An ISO 9001:2015 R OHS Directive (2011/65/EU) Certified Organization



CE Certified Products



ROHS Compliant



Energy Saving



Copper Purity 99.95%+



Heat Resistant
Flame Retardant



High Insulation
Resistance



Anti Termite
and Anti Rodent



Anti-Fungale



Antibacterial

Certificate



Certificate of Compliance

This is to Certify that

ELTRICO ENTERPRISES PVT. LTD.

S2, 15-18 Kashipur, Uttarakhand, 244713

FOR THE PRODUCT :

MANUFACTURER OF DOMESTIC & INDUSTRIAL WIRING CABLES, SINGLE & MULTI CORE CABLE, XLPE / ARMoured / UNARMoured HEAVY DUTY ELECTRIC CABLE, ELECTRONIC CABLES, COMPUTER AND INTERNET DATA CABLES, CO-AXIAL CABLE, CCTV CABLES, CAMERA CABLES, TELEPHONE CABLES & AUTOMOTIVE ELECTRICAL CABLES, 2 CORE FLAT / 3 CORE FLAT / ROUND ALUMINUM / COPPER PVC INSULATED AND SHEATHED CABLE, FR AND FR-LSH CABLE, SOLAR CABLE, POLYPROPYLENE SUBMERSIBLE WINDING WIRE, ANNEALED BARE COPPER CONDUCTOR AND PVC COMPOUND.

RoHS Directive(2011/65/EU)

(Restriction of use of certain Hazardous Substance)

RoHS Directive (2011/65/EU) as Amended (EU) 2015/863 of the European Parliament and of the Council on the restriction of use of certain Hazardous Substances in Electrical and Electronic Equipments.

Statement: This Certificate Declares That the Product type/model described above complies with the mentioned above European Standards(s).

Remarks: This certificate of compliance is based on the evaluation of a sample of the above products. It does not imply and assessment of the mass-production of the product. This certificate holder may use this certificate in connection with the Test Report. The Certification Body should be informed (revision of technical file) for any modification or alterations made to the aforementioned product type(s), including design and manufacture and/or extension to the existing scope of application

Certificate No : 23/R/BOE1 116	Issuance Date : 16/11/2023
Initial Registration Date : 16/11/2023	Date of Expiry : 15/11/2026



Auth. Signatory







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Certificate of Registration

This is to Certify That

Quality Management System of

ELTRICO ENTERPRISES PVT. LTD.

S2, 15-18 Kashipur, Uttarakhand, 244713

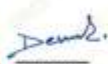
has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope :

MANUFACTURER OF DOMESTIC & INDUSTRIAL WIRING CABLES, SINGLE & MULTI CORE CABLE, XLPE / ARMoured / UNARMoured HEAVY DUTY ELECTRIC CABLE, ELECTRONIC CABLES, COMPUTER AND INTERNET DATA CABLES, CO-AXIAL CABLE, CCTV CABLES, CAMERA CABLES, TELEPHONE CABLES & AUTOMOTIVE ELECTRICAL CABLES, 2 CORE FLAT / 3 CORE FLAT / ROUND ALUMINUM / COPPER PVC INSULATED AND SHEATHED CABLE, FR AND FR-LSH CABLE, SOLAR CABLE, POLYPROPYLENE SUBMERSIBLE WINDING WIRE, ANNEALED BARE COPPER CONDUCTOR AND PVC COMPOUND.

Certificate No	: 23MEQOW76
Initial Registration Date	: 16/11/2023
Issuance Date	: 16/11/2023
Date of Expiry	: 15/11/2026
1st Surve. Due	: 16/10/2024
2nd Surve. Due	: 16/10/2025



DIRECTOR





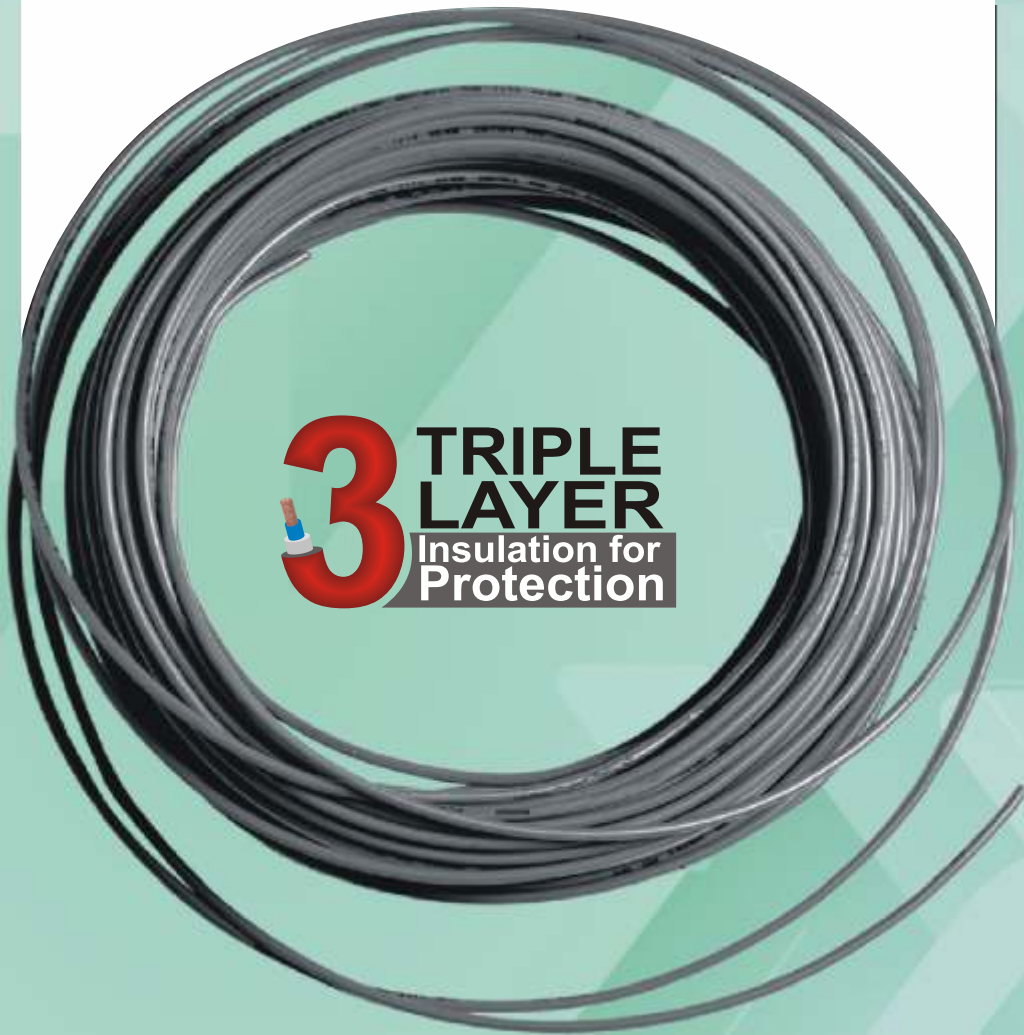


Magnitude Management Services Pvt. Ltd.

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Eltrico Enterprises Pvt Ltd

Electrifying Excellence



MFG BY:

M/S ELTRICO ENTERPRISES PVT. LTD.

S2, 15-18 Kashipur, Uttarakhand, 244713

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