



Portfolio Of Excellence

WIRES & CABLES

Version
1.1

a PROMISE
to PROTECT

Manufactured By :
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**360°
PROTECTION**



**Quality
is our
First
Priority**

From the desk of the Management

Hello Friends,

Thank you for the interest you have shown in our organisation and its products. It is our pleasure to give you an overview of our beautiful journey of more than three decades. A journey full of sweat, toil, passion and innovation, undertaken with a single aim to delight our customers through our world-class quality products of wires & cables, adhering to the highest safety standards.

From our humble beginning in the year 1986, we have come a long way. What started as a small set-up to produce 'wires & cables', has turned into a mega-venture manufacturing for the same. Our flagship brand 'KLICK' is today an established name and has a whole bouquet of products which cater to all your needs in the electrical solution space.

We can proudly say that it has been a dream come true for us as well as our team of highly skilled and dedicated employees. Needless to say that while we are pleased with what we have achieved, we will continue to research and innovate and bring to you the best quality products at reasonable price.

This company profile is an effort to give you a sneak peek of who we are, what we stand for and our strengths & capabilities.



FIA
TAC



ISO 9001
ISO 14001
Certified Company

FR-LSH
FLAME RETARDANT
LOW SMOKE
LOW HALOGEN



Multistrand wires

Size Construction / Current Rating

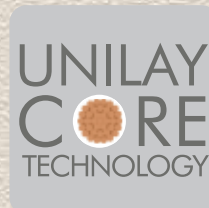
Conductor Area Sq. mm	Insulation Thickness mm	Number of stands/ Nominal Dia. of stands	Max. Overall Diameter mm	Conductor Resistance Ohm/km at 20°C(Max)	Current Rating Amps.	
					Conduit / Casing	Surface/ Cable tray
0.75	0.6	24/.2	2.2	-	6	7
1.00	0.7	14/.3	2.8	18.10	11	12
1.50	0.7	22/.3	3.1	12.10	13	16
2.50	0.8	36/.3	3.8	7.41	18	22
4.00	0.8	56/.3	4.4	4.95	24	29
6.00	0.8	84/.3	5.2	3.30	31	37
10.00	1.0	140/.3	6.6	1.91	42	51

- Application :** Wiring in all installation where fire safety is more important. School, theaters, commercial complex, air conditioned apartments, high rise building, fire alarms & emergency lighting circuit
- Specification :** Generally conform to IS-694
- Conductor :** Thin stands of Electrolytic Copper are multi-drawn simultaneously for uniformity of Resistance, Dimension, and flexibility. The drawn stands are bunched in high precision machines. A circular conductor is thus formed. The conductor is bunched in such a way that it reduces in overall diameter for space saving in high density wiring.
- Insulation :** Specially formulated grade a flame Retardant (FR) compound is used. The performance of the cable in a fire situation is exceptionally good. The insulation does not burn readily. It does not melt and drip. The smoke is negligible, transparent, non toxic. The victim trapped in fire do not suffocate and this facilitates fire fighting operations. Unlike general purpose PVC, the smoke emitted is non-corrosive, thus, the printed circuit boards, & other sensitive electronic equipment are unaffected.
- Length :** 90 mtrs., 180 mtrs. and 450 mtrs.
- Colors :** Red ■ Yellow ■ Blue ■ Black ■ Green ■ White □


Technical Specification

	FR (Classic)	FRLS (GOLD)	ZHFR (GOLD)
Type of insulation	70°C/105°C Heat Resistant PVC	Flame Retardant Low Smoke (FRLS)	Halogen Free (HFFR) From 1.0 to 4.0 sq.mm.
Typical applications	Wiring of panels for use in high ambient temperature	Wiring in high density critical installations in public places and fire prone areas	Wiring in high density critical installations in public places and in vicinity of electronic systems

• Multistrand wires special features •



**TRIPLE LAYER
PVC COATING**



Submersible Flat Cables (Three Core) for Voltage up to 1100 V AC

- Fits perfect required Grommet
- As per IS dimension
- Perfect sheathing for under water application



Technical Specification

Conductor: Nicely bunched high purity bright, electrolytic grade, plain annealed copper with superb flexibility.

Insulation & Sheathing: Generally available with general purpose insulation and normal PVC sheathing, choice of insulation and sheathing is available on special order.

Three Core Flat Flexible Industrial Cable for Submersible Pump Motors, 1100 Voltage Grade

Nominal Area of Conductor sq. mm	INSULATION			Overall Dimensions		Max. Conductor Resistance at 20°C (Max.) Ohm/Km	Current Carrying Capacity at 40°C Amps.
	*Number/ Size of Wire for each Core mm	Thickness (Nom.) mm	Core Dia. (Nom.) mm	Width (Nom.)mm	Thickness (Nom.)mm		
1.50	30/0.25	0.8	3.25	12.8	6	13.3	14
2.50	50/0.25	0.9	3.9	14.6	6.4	7.98	18
4.00	56/0.30	1	4.65	17.2	7.4	4.95	26
6.00	84/0.30	1	5.3	18.7	7.9	3.3	31
10.00	80/0.40	1	6.6	23.7	9.9	1.91	42
16.00	126/0.40	1	8.2	28	11.4	1.21	57
25.00	196/0.40	1.2	10.1	35.5	14.7	0.78	72
35.00	276/0.40	1.2	11.5	39.5	16.2	0.554	90

Note: Conductor as per class II only for 1.5 & 2.5 sq mm. For balance it is class V. Supplied in 500±5% metre packing on drums. Can also be supplied in 100 metre packing on request.* The number and diameter of conductor strands are for reference only. Conductor resistance as per IS:8130 is the governing criteria. The above data is indicative and may be revised without prior intimation.



Classic



GOLD

Multicore Round Insulated Copper Conductor And Sheathed Flexible Cables, 1100 Voltage Grade

Nominal Cross Sectional Area of Conductor	Number/ Nom. Dia of cond. strands*	Thickness of Insulation (Nom)	Nominal Thickness of Sheath			Approx. Overall Diameter			Current Rating AC	Voltage Drop/ Amp/Metre		Max. Conductor Resistance per KM at 20°C
			Two Core	Three Core	Four Core	Two Core	Three Core	Four Core		DC or Single Phase AC	3 Phase AC	
sq.mm.	mm	mm	mm	mm	mm	mm	mm	mm	Amps	mV	mV	Ohms
0.5	16/0.20	0.6	0.9	0.9	0.9	6.2	6.6	7.2	6	83	72	39.0
0.75	24/0.20	0.6	0.9	0.9	0.9	6.5	6.9	7.6	9	56	48	26.0
1.0	32/0.20	0.6	0.9	0.9	0.9	6.9	7.3	8.2	14	43	37	19.5
1.5	30/0.25	0.6	0.9	0.9	1.0	7.6	8.2	9.3	18	31	26	13.3
2.5	50/0.25	0.7	1.0	1.0	1.0	9.0	9.6	10.5	24	18	16	7.98
4.0	56/0.30	0.8	1.0	1.0	1.0	10.3	10.9	12.3	32	11	9.6	4.95

Note: Conductor as per class V. Supplied in 100 metre lengths with black outer sheath and in bigger packing on request. Any colour on specific request can be supplied, in economical run. Higher sizes of nominal cross sectional area of conductor area are also available on request.
*The number and diameter of conductor strands are for reference only. Conductor resistance as per IS:8130 is the governing criteria.
The above data is indicative and may be revised without prior intimation.

• **Aluminium Wires & Cables** •

Specifications:

- High Quality Crystal coating
- PVC Compound suitable for all Weathers
- Best quality Aluminium used
- Colours available : Black, White & Grey
- Available in Single Core, Twin Core, 3 Core & 4 Core
- Length : 90mtrs., 180 mtrs. & 450 mtrs.
- Cloth & Polythene wrapping pack
- Single core colours: Black, Red, Blue & Yellow



Electrical PVC Insulation Tape



Specifications:

- 0.125 0.125 mm
- 150N10mm Width per mm thickness(Min)
- 1.6N10mm Width (Min)
- 1.3N10 Width (Min)
- 40 Kvmm(min)
- 35 kvmm(min)
- Fire Retardant
- Wear permissible degree of corrosion
- 10'Other (min)
- No Change in Adhesive Property



#ELECTRICALLYOURS