



Electrifying
Responsibly



“ Quality is never an accident. It is always a result of intelligent efforts. There must be the will to produce the superior quality.

- John Ruskin



KINGSWAY is an ISO 9001:2008 certified organization which has a history of four decades to validate its claims of superior quality & customer service. We have been manufacturing wires & cables since 1973. At KINGSWAY, with use of state of art machines, we offer unmatched quality products that are suitable for a wide range of applications. Our quality is what sets us apart, and we intend to keep it that way.

We have never looked at limiting ourselves to the guidelines of BIS. We believe in surpassing customer expectations. The unwavering focus on quality at competitive prices is what differentiates us from our competitors.

Our experience, combined with the unmatched quality and consistency, allow our customers to meet their all kinds of electrical requirements. Different wires custom made for different applications assures that you have the best fit for your applications with no compromises.

With every product that is manufactured at our factory, we only aim at:

Quality for we believe in delivering what we promise.

Consistency for quality is not a one-time exercise.

These two together help us achieve safety, comfort and efficiency in our products.



KING S WAY®

House wires

KINGSWAY house wires are made of annealed bare copper of electrolytic grade, as per IS: 8130 -1984. The wires are twin coated for superior insulation. These wires are suited for all domestic and commercial wiring applications.

The insulation processes for wires carried out on high speed extrusion lines, with online spark testers & outer diameter controllers ensures uniform insulation throughout and moderates for any insulation faults in wires in the course of production.

The different kind of insulation we offer are

- **Lead free flame retardant (LFFR)**
- **Zero halogen flame retardant (ZHFR)**
- **Heat resistant flame retardant (HRFR).**




House wires specifications

The range of KINGSWAY house wires is available in following sizes & insulations:

PVC Insulated (Unsheathed) Single core Fixed wiring and Single core cables for 1100 V Grade, conforming to IS:694-1990					
Nominal area of Conductor (sq. mm)	Number/No m. Dia. (mm) Of Strands	Thickness of Insulation (Nom.)	Overall Diameter, Nom. (mm)	Current Carrying Capacity#	Max Conductor Resistance (Ω /km)@ 20° C
0.75**	24/0.20	0.6	2.4	7	26.0
1.00*	14/0.30	0.7	3.0	12	18.1
1.50*	21/0.30	0.7	3.2	16	12.1
2.50*	35/0.30	0.8	4.0	22	7.41
4.00*	56/0.30	0.8	4.5	29	4.61
6.00**	85/0.30	0.8	5.6	31	3.30
10.00**	141/0.3	1.0	6.4	42	1.91

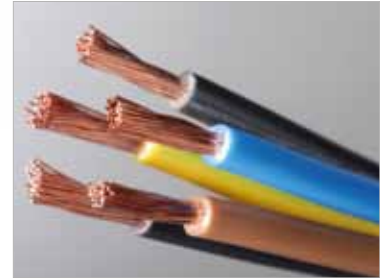
As per IS:3961 (Part V) – 1968
 * As per Conductor Class 2 of IS:8130-1984
 ** As per conductor class 5 of IS:8130-1984
 BIS License No. CM/L-8561989

IS : 694

 CML NO. 8561989

Available colors: ● ● ● ● ● ● ●

KING S WAY® Flexible wires

Specifically designed for domestic electrical appliances and OEM's, the multi-strand flexible wires with fire resistant properties are equipped with specially formulated insulation that enables the cable to withstand overloads. Flexible wires are made of annealed bare copper of electrolytic grade, as per class 5 of IS: 8130 -1984. The wires are designed with the idea to fit the application and last.




Flexible wires specifications

These wires are available in single core, twin twisted and twin parallel in standard length of 90 meter coil.

PVC Insulated (Unsheathed) Single core Flexible cables and cords for 1100 V Grade, conforming to IS:694-1990					
Nominal area of Conductor (sq. mm)	Number/Nom. Dia. (mm) Of Strands	Thickness of Insulation (Nom.)	Overall Diameter, Nom. (mm)	Current Carrying Capacity*	Max Conductor Resistance ^{**} (Ω /km)@ 20° C
0.75	24/0.20	0.6	2.4	7	26.0
1.00	32/0.20	0.6	2.6	11	19.5
1.50	30/0.25	0.6	2.9	14	13.3
2.50	50/0.25	0.7	3.5	19	7.98
4.00	56/0.29	0.8	4.3	26	4.95
6.00	85/0.29	0.8	5.6	31	3.30
10.00	141/0.29	1.0	6.4	42	1.91
16.00	225/0.29	1.0	9.0	57	1.21
25.00	350/0.29	1.2	11.0	71	0.780
35.00	276/0.4	1.2	12.5	91	0.554
50.00	396/0.4	1.4	14.5	120	0.386

* As per IS:3961
 ** As per Conductor Class 5 of IS:8130-1984
 BIS License No. CM/L-8561989



Available colors: ● ● ● ● ● ● ●



Multicore flat & round cables

The KINGSWAY multicore flat/round cables are especially designed for submersible pump motors. These cables find extensive usage in agriculture sector, bore wells & industrial applications. The inner copper conductors are first insulated with PVC compound and then sheathed to prevent any kind of damage to the inner current carrying cores. Also the outer sheathing is tear and abrasion resistant and prevents soil chemicals and other foreign particles from entering into the cable.




Multicore flat & round cables specifications

The range of KINGSWAY multi core cables is available in following sizes:

PVC Insulated (Sheathed) Flat/Round Cables in 1100 V Grade, conforming to IS:694-1990									
Nominal area of Conductor (sq. mm) **	Number/Nom. Dia. (mm) Of Strands**	Current Carrying Capacity (In Amps)*	Availability in cores						
			Single Core	Twin Core Circular	Three Core Circular	Four Core Circular	Flat Twin Core Without ECC	Flat Twin Core With ECC	Flat Three Core Without ECC
1.00	14/0.30	11	✓	✓	✓	✓	✓	✓	✓
1.50	21/0.30	16	✓	✓	✓	✓	✓	✓	✓
2.50	35/0.30	22	✓	✓	✓	✓	✓	✓	✓
4.00	56/0.30	29	✓	✓	✓	✓	✓	✓	✓
6.00	85/0.30	31	✓	✓	✓	✓	✓	✓	✓
10.00	141/0.30	42	✓	✓	✓	✓	✓	✓	✓

* As per IS:3961
 ** As per Conductor Class 2 of IS:8130-1984
 BIS License No. CM/L-8561989



IS : 694
 CML NO. 8561989



KING S WAY[®]

PVC Conduit pipes

PVC Conduit pipes are used in electrical installations. PVC conduits are a product of choice for exposed and masked wiring in residential & commercial buildings and industries.

KINGSWAY PVC conduit is preferred over other conduits for its following properties:

- **Light Weight** – Lighter than any other conduits
- **Moisture resistant** – Safe wiring
- **Easy installation** – Heat & bend on site
- **Non Corrosive** – No response to most chemicals
- **Fire resistant** – Flame retardant material
- **Smooth interiors** – Easier to pull wires
- **No Maintenance** – Excellent tolerance levels
- **Non Conductive** – Nil electrical conductivity of PVC

The PVC conduit pipes come in standard length of 3 meters.



Insulation variations

Flame retardant (FR) Wire

These wires are made of special insulation material with higher oxygen and temperature indices. This insulation retards flame propagation. Flame retardant properties enable the cable to withstand overloads. The insulation is resistant to boiling water, steam and vapours. This prevents ageing and cracking in kitchens, bathrooms, damp walls and chemical industries.

Zero Halogen Flame Retardant (ZHFR) wire

The zero halogen fire-retardant (ZHFR) wire and cable is available for applications where people are present in confined areas. When combined with other fire prevention and suppression practices, fire-retardant, LSZH cables can help minimize fire-related deaths and property damage. The PVC insulation done in case of ZHFR wires is free from halogen, thus preventing emission of corrosive gases under conditions of fire.

Additional FR Properties		
	Specifications	Specified Values
Critical Oxygen Index	ASTM-D 2863	≥29%
Temperature Index	ASTM-D 2863 & BICC Handbook Chapter No. 6	≥250°C

Also meets requirements of Flammability Test as per IEC 60332-1



NORTH INDIA CABLES
Bikaner Road, Nokha,
Rajasthan
Pin - 334803

Reach us at : +91-1531-220777
+91-1531-220073

Fax us at : +91-1531-221030

E-mail: info@kingswaycables.com
northindiacables@gmail.com

Visit us at : www.kingswaycables.com



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