



KEI

Wires & Cables





PROFILE

KEI has been at the forefront of India's wire and cable industry for the last 5 decades. We manufacture a range of specialized cables and are a crucial player in the domestic and retail segment. Since inception, we have firmly believed in the philosophy of constant growth and innovation. Customer satisfaction has always been our priority. A highly qualified, committed and experienced group of professionals strive to meet international standards and cater to the needs of a changing market. Our unblemished track record has earned us the patronage of leading industrial houses, project consultants and architects. In order to provide reliable and expedient services to our customers,

we have created manufacturing facilities at Rakholi, Chinchpada (Silvassa), Chopanki, Bhiwadi & Pathredi (Rajasthan).

We employ state - of - the - art equipment and adhere to international safety and environmental norms.

KEI was established in 1968 as a partnership company in the domestic wire segment. In the early seventies we started manufacturing switchboard cables and control, instrumentation and thermocouple extension cables including special application cables like fire retardant and low halogen cables. In 1993 we added power cables with PVC & XLPE insulation in our product line. Today KEI is a one-stop-shop when it comes to meeting cabling requirements for the domestic, power and industrial sectors.



FLAME RETARDANT PVC INSULATED SINGLE CORE UNSHEATHED COPPER CABLES (UP TO 1100 VOLTS AC)



CONDUCTOR: The conductors, drawn from bright electrolytic grade copper and annealed and bunched together.

INSULATION: The bunched conductors are insulated with specially formulated FR PVC compound with a high insulation resistance value. The insulation process is carried out on modern high speed extrusion lines, which ensures high accuracy and consistency in performance. Flame retardant properties enable the cable to withstand overloads. The insulation is resistant to boiling water, steam and vapors. This prevents ageing and cracking in kitchens, bathrooms, damp walls and chemical industries.

MARKING: The cables are printed with generic marking 'HOMECAB'.

COLORS: Red, Yellow, Blue, Black, Green and Grey.

PACKING: 90 Meters (apprx.100 yards) pack in protective cartons.

HomeCab is a multi-stranded flexible wire with flame retardant properties. It has specially formulated insulation with a high oxygen and temperature index, enabling the wire to withstand overloads preventing electric mishaps. So, give yourself the promise of security and supreme quality. Get KEI house wires and safeguard your home for life.

homecabTM - FR Flame Retardant

Test	Specification	Specified Values
Critical Oxygen Index	ASTM-D 2863	Minimum 29%
Temperature Index	ASTM-D 2863	Minimum 250 °C

SIZE DIMENSIONS AND RATINGS

Nominal Cross Sectional Area of Conductor	Number/Nominal Dia of wires*[Nom.]	Thickness of insulation [Nom.]	Overall Diameter Max.	Current Rating		D.C Resistance [Max.] at 20 °C
				Casing	Concealed	
Sq.mm	Number/mm	mm	mm	amps	amps	Ohm/km
0.5	16/0.2	0.6	2.6	6.00	5.00	39.0
0.75	24/0.2	0.6	2.8	7.50	7.00	26.0
1.00	32/0.2	0.6	3.0	12.00	11.00	19.5
1.50	30/0.25	0.6	3.4	16.00	14.00	13.3
2.50	50/0.25	0.7	4.1	22.00	19.00	7.98
4.00	56/0.3	0.8	4.8	29.00	26.00	4.95
6.00	84/0.3	0.8	5.3	37.00	31.00	3.30

*The number & diameter of conductor strands are for reference only and governed by conductor resistance.

**The above data is indicative only and may be revised without prior information. KEI will not be responsible for any damages arising out of incorrect application of its product.

FLAME RETARDANT LOW SMOKE PVC INSULATED SINGLE CORE UNSHEATHED COPPER CABLES (UP TO 1100 VOLTS AC)



CONDUCTOR: The conductors, drawn from bright electrolytic grade copper and annealed and bunched together.

INSULATION: The bunched conductors are insulated with specially formulated Flame Retardant Low Smoke Compound. During a fire situation, the FR-LSH compound restricts the spread of flame. The smoke emission is also minimal.

MARKING: The cables are printed with generic marking 'CONFLAME'.

COLORS: Red, Yellow, Blue, Black, Green and Grey.

PACKING: 90 Meters (apprx.100 yards) pack in protective cartons.

KEI's innovative offering Conflame is ideal for wiring solutions in multi-storied buildings, hotels, hospitals, commercial establishments and residential complexes. It is shielded by a specially formulated flame retardant PVC compound. During fire, ordinary PVC emits black smoke and toxic fumes which are acidic in nature. This impairs visibility and hampers rescue operations. Conflame insulation retards spread of fire and emits minimum smoke and toxic gases. Thereby reducing the risk of injury. So, give yourself the promise of security and supreme quality. Get KEI house wires and safeguard your home for life.

conFlame[®] - FR-LSH

Flame Retardant Low Smoke & Halogen

Test	Specification	Specified Values
Critical Oxygen Index	ASTM-D 2863	Minimum 29%
Temperature Index	ASTM-D 2863	Minimum 250 °C
Acid Gas Generation	IEC 60754-1	Maximum 20%
Smoke Density Rating	ASTM-D 2843	Maximum 60%

SIZE DIMENSIONS AND RATINGS

Nominal Cross Sectional Area of Conductor	Number/Nominal Dia of wires* [Nom.]	Thickness of insulation [Nom.]	Overall Diameter Max.	Current Rating		D.C Resistance [Max.] at 20 °C
				Casing	Concealed	
Sq.mm	Number/mm	mm	mm	amps	amps	Ohm/km
0.75	24/0.2	0.6	2.8	7.50	7.00	26.0
1.00	32/0.2	0.6	3.0	12.00	11.00	19.5
1.50	30/0.25	0.6	3.4	16.00	14.00	13.3
2.50	50/0.25	0.7	4.1	22.00	19.00	7.98
4.00	56/0.3	0.8	4.8	29.00	26.00	4.95
6.00	84/0.3	0.8	5.3	37.00	31.00	3.30

*The number & diameter of conductor strands are for reference only and governed by conductor resistance.

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ZERO HALOGEN FLAME RETARDANT INSULATED SINGLE CORE UNSHEATHED COPPER CABLES (UP TO 1100 VOLTS AC)



CONDUCTOR: The conductors, drawn from bright electrolytic grade copper and annealed and bunched together.

INSULATION: The bunched conductors are insulated with specially formulated grade of Halogen Free Flame Retardant (HFFR) compound is used. The insulation does not melt or drop in case of fire. The smoke emitted is transparent, non-toxic and minimal. The victims trapped in the fire do not suffocate and evacuation is convenient.

MARKING: The cables are printed with generic marking 'BANFIRE'.

COLORS: Red, Yellow, Blue, Black, Green and Grey.

PACKING: 90 Meters (apprx.100 yards) pack in protective cartons.

KEI Banfire is processed using a zero Halogen Flame Retardant compound (ZHFR). The insulation is of superior quality, 100% PVC free and eco-friendly. In case of a fire situation, Banfire does not emit toxic or poisonous fumes, which enables safe evacuation. These wires are best suited for wiring in hospitals, hotels, business establishments and high rise buildings where fire can be determined. So, give yourself the promise of security and supreme quality. Get KEI house wires and safeguard your home for life.

banfire[®] - ZHFR Zero Halogen Flame Retardant

Test	Specification	Specified Values
Critical Oxygen Index	ASTM-D 2863	Minimum 29%
Temperature Index	ASTM-D 2863	Minimum 250 °C
Acid Gas Generation	IEC 60754-1	Maximum 0.5%
Smoke Density Rating	ASTM-D 2843	Maximum 20%

SIZE DIMENSIONS AND RATINGS

Nominal Cross Sectional Area of Conductor	Number/Nominal Dia of wires*[Nom.]	Thickness of insulation [Nom.]	Overall Diameter Max.	Current Rating		D.C Resistance [Max.] at 20 °C
				Casing	Concealed	
Sq.mm	Number/mm	mm	mm	amps	amps	Ohm/km
0.75	24/0.2	0.6	2.8	7.50	7.00	26.0
1.00	32/0.2	0.6	3.0	12.00	11.00	19.5
1.50	30/0.25	0.6	3.4	16.00	14.00	13.3
2.50	50/0.25	0.7	4.1	22.00	19.00	7.98
4.00	56/0.3	0.8	4.8	29.00	26.00	4.95
6.00	84/0.3	0.8	5.3	37.00	31.00	3.30

*The number & diameter of conductor strands are for reference only and governed by conductor resistance.

The above data is indicative only and may be revised without prior information. KEI will not be responsible for any damages arising out of incorrect application of its product.

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