

# HOUSE WIRES

Your Home's Guardian Angel!



HAR TENSION SAHE  
CHALTI RAHE

Toll Free No: 1800 410 0000

[www.kei-ind.com](http://www.kei-ind.com) /keicables

# CMD'S MESSAGE



## MR. ANIL GUPTA

Chairman & Managing Director  
KEI Industries Limited

KEI Industries, an Indian MNC founded in 1968, is a global leader in wire and cable solutions having an extensive range of world-class products and services. With multiple robust & cutting edge manufacturing facilities and a vast network of more than 30,000 channel partners, KEI serves clients in 65+ countries, establishing itself as a one-stop-shop for comprehensive wire and cable solutions. The company achieved a turnover of INR 8000+ crore in the fiscal year 2023-24.

As the world faces the pressing challenges of global warming and climate change, KEI Industries is dedicated to leading the way towards a sustainable and a carbon-neutral future. Our

dedication involves using clean gas and solar energy, alongside advanced air and water treatment systems, to eliminate hazardous chemicals and ensure a safe, sustainable environment. Our diverse array of products also reflects our strong commitment towards building an eco-friendly efficient surrounding. With an ongoing focus on innovation, KEI is positioned to lead in sustainability while meeting the demands of global consumers through using cutting-edge technologies, driving progress and setting new standards for environmental responsibility.

## STATE OF THE ART MANUFACTURING 5 UNITS



BHIWADI  
RAJASTHAN



CHOPANKI  
RAJASTHAN



PATHREDI  
RAJASTHAN



RAKHLI  
DADRA AND NAGAR  
HAVELI



CHINCHPADA  
DADRA AND NAGAR  
HAVELI

## BUILDING THE NATION...! PRESTIGIOUS PROJECTS WIRED BY KEI



RAM MANDIR



WORLD'S TALLEST  
STATUE OF UNITY



WORLD'S  
LARGEST NARENDRA  
MODI STADIUM



PARLIAMENT OF  
INDIA



KONKAN RAILWAY  
PROJECT



INDIA'S LONGEST  
BOGIBEEL BRIDGE



BULLET TRAIN



INDIAN INSTITUTE  
OF TECHNOLOGY  
BOMBAY



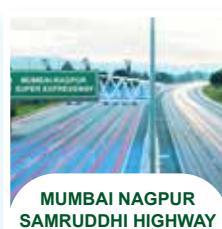
AIROLI-KATAI  
NAKA TUNNEL



MUMBAI COASTAL  
ROAD MEGA PROJECT



MUMBAI MONORAIL



MUMBAI NAGPUR  
SAMRUDDHI HIGHWAY

**HEAT RESISTANT-  
FLAME RETARDANT-  
LOW SMOKE & HALOGEN  
LEAD FREE**  
**20% HIGH CURRENT CAPACITY  
85°C TEMP MAX OPERATING  
RoHS COMPLIANT  
REACH COMPLIANT**



# conFlame® Green+

**Heat Resistant - Flame Retardant  
Low Smoke & Halogen- Lead Free**

Test	Specification	Specified Values
Critical Oxygen Index	ASTM-D 2863	Minimum 31%
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 Clipped Direct/Cable Tray	Current Rating Conduit/Trunking	D.C Resistance [Max.] at 20°C
Sq.mm	Number/mm	mm	mm	amps	amps	Ohm/km
0.75	24/0.2	0.6	2.8	9	10	26.0
1.00	32/0.2	0.6	3.0	14	16	19.5
1.50	30/0.25	0.6	3.4	17	21	13.3
2.50	50/0.25	0.7	4.1	23	28	7.98
4.00	56/0.3	0.8	4.8	31	38	4.95
6.00	84/0.3	0.8	5.3	40	48	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.

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

**INSULATION:** The bunched conductors are insulated with specially formulated Heat Resistance Flame Retardant Low Smoke & Halogen 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 Green+'.

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

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

KEI's innovative offering Conflame Green+ is ideal for wiring solutions in multi-storied buildings, hotels, hospitals, commercial establishments and residential complexes. It is shielded by a specially formulated Heat Resistance flame retardant PVC compound. Conflame Green+ wire is made of sustainable material (RoHS & REACH compliant) and is lead-free, which makes it ECO-friendly. Even its packaging is made with recycled material, which is Bio-degradable. Conflame Green+ insulation retards spread of fire and emits minimum smoke and toxic gases, making it absolutely safe for both inside house and outside environment. So, give yourself the promise of security and supreme quality. Get KEI house wires and safeguard your home for life.

# banfire® - HFFR

## Halogen Free-Flame Retardant

**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 Halogen Free Flame Retardant compound (HFFR). 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.**

### 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 Clipped Direct/Cable Tray	Current Rating Conduit/Trunking	D.C Resistance [Max.] at 20°C
Sq.mm	Number/mm	mm	mm	amps	amps	Ohm/km
0.75	24/0.2	0.6	2.8	7	8	26.0
1.00	32/0.2	0.6	3.0	12	13	19.5
1.50	30/0.25	0.6	3.4	14	17	13.3
2.50	50/0.25	0.7	4.1	19	23	7.98
4.00	56/0.3	0.8	4.8	25	31	4.95
6.00	84/0.3	0.8	5.3	33	39	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.

# conflame® - FR-LSH

## Flame Retardant Low Smoke & Halogen

**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.**

### 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 Casing	Current Rating Concealed	D.C Resistance [Max.] at 20°C
Sq.mm	Number/mm	mm	mm	amps	amps	Ohm/km
0.75	24/0.2	0.6	2.8	7.50	700	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.

## HALOGEN FREE FLAME RETARDANT 70°C TEMP MAX OPERATING THERMOPLASTIC INSULATION ROHS COMPLIANT REACH COMPLIANT

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%



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

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%



**FLAME RETARDANT  
LEAD FREE  
RoHSCOMPLIANT  
REACH COMPLIANT  
ANTI RODENT & TERMITE**



# TM homecab-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		
				Clipped Direct/Cable Tray	Conduit/Trunking	Ohm/km
Sq.mm	Number/mm	mm	mm	amps	amps	Ohm/km
0.5	16/0.2	0.6	2.6	4	4	39.0
0.75	24/0.2	0.6	2.8	7	8	26.0
1.00	32/0.2	0.6	3.0	12	13	19.5
1.50	30/0.25	0.6	3.4	14	17	13.3
2.50	50/0.25	0.7	4.1	19	23	7.98
4.00	56/0.3	0.8	4.8	25	31	4.95
6.00	84/0.3	0.8	5.3	33	39	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.



**BRIDGING THE GAP ACROSS 60 DIFFERENT COUNTRIES**



**THE POWER BEHIND THE POWER**



Scan to reach other offices

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