

BUILDING WIRE · SINGLE CORE · IS 694:2010

INDOCABLES HR-FR-LSH-LF GREEN WIRE BUILDING WIRE, 1100 V AC

APPLICATION

INDOCABLES HR-FR-LSH-LF Green wire is highly eco-friendly & suitable for use in places where extra fire safety and heat resistance is required along with high flexibility. This is also suitable for indoor installation in industries, household appliances and building electrification.



CHARACTERISTICS

VOLTAGE RATING

1100 V

OPERATION TEMPERATURE

Fixed: -15°C to 85°C

TEST VOLTAGE

3000 V AC at (20±5) °C

BENDING RADIUS

Fixed installation 6 x Overall Diameter
Occasional 4 x Overall Diameter

CONSTRUCTION

CONDUCTOR

Annealed stranded or bunched copper conductor as per IS 8130, class 5

INSULATION

Insulated by specially developed in-house compound.

CORE IDENTIFICATION

Red/Yellow/Blue/Black/Green/any customized colour

ELECTRICAL PROPERTY

- High insulation resistance
- Higher current carrying capacity
- Electrical energy saving

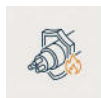
MECHANICAL & PHYSICAL PROPERTIES

- High Flexibility
- Free from hazardous substances
- Resistant to Termite & Rodent
- Resistant to moisture for use in wet area
- Resistant heat deformation
- Improved life expectancy
- Resistant to Acid & Alkali

OUTSTANDING FEATURES



Higher current carrying capacity.



High fire retardancy



Low emission of toxic gases



Low carbon emission, eco healthy



Low volatile organic content – less contamination



High conductivity electrolytic copper conductor

STANDARD FOLLOWS

IS 8130:2013

IS 5831:1984

IS 694:2010

COMPLIANCE

TEST	STANDARD
Conductor resistance test	IS 8130
Flammability	IEC 60332-1
Oxygen index	ASTM D 2863
Temperature index	ASTM D 2863
Halogen acid gas generation	IEC 60754-1
Smoke density	ASTM D 2843-19



WEIGHT AND DIMENSIONAL DATA

PRODUCT CODE	NOMINAL CROSS-SECTIONAL AREA	CLASS OF CONDUCTOR	NO. OF WIRE/WIRE DIA.	NOMINAL INSULATION THICKNESS	OVERALL DIA. (APPROX.)
	mm ²		No. /mm	mm	mm
IC-HW-01-00075-CU-PVC-H07VK-0450-IS694-FRLH	0.75	5	24/0.21	0.6	2.25
IC-HW-01-00100-CU-PVC-H07VK-0450-IS694-FRLH	1	5	32/0.21	0.6	2.4
IC-HW-01-00150-CU-PVC-H07VK-0450-IS694-FRLH	1.5	5	30/0.26	0.6	2.86
IC-HW-01-00250-CU-PVC-H07VK-0450-IS694-FRLH	2.5	5	50/0.26	0.7	3.48
IC-HW-01-00400-CU-PVC-H07VK-0450-IS694-FRLH	4	5	56/0.31	0.8	3.95
IC-HW-01-00600-CU-PVC-H07VK-0450-IS694-FRLH	6	5	84/0.31	0.8	4.48

Product codes as registered in the Indo Cables Product Code Master, Edition 2.0 — items IC1003898, IC1003899, IC1003900, IC1003903, IC1003906, IC1003909. Voltage grade 0450 = 450/750 V, per the H07V-K designation.

ELECTRICAL CHARACTERISTICS

Current carrying capacity and Max. DC conductor resistance.

NOMINAL CROSS-SECTIONAL AREA	CLASS OF CONDUCTOR	CURRENT CARRYING CAPACITY, 2 CABLES IN SINGLE PHASE		MAXIMUM DC CONDUCTOR RESISTANCE AT 20°C
		Reference Method B (enclosed in conduit on a wall or in trunking etc.)	Reference Method C (clipped direct)	
mm ²		Amp.	Amp.	Ω/km
0.75	5	8.0	8.54	26
1	5	12.7	13.9	19.5
1.5	5	16.2	18.5	13.3
2.5	5	22.0	25.5	7.98
4	5	31.2	34.8	4.95
6	5	37.2	44.4	3.3

The ambient temperature is 40°C. Conductor operating temperature 85°C.

PACKAGING

180/200/300 Mtr in pouch pack



APPROVALS & COMPLIANCE



ISO 9001

Cert. 99 100 22646 (TÜV SÜD)



ISI

Bureau of Indian Standards · CM/L 6200267207



RoHS

Compliant



REACH

Compliant



Make in India

Manufactured in India

Also certified to ISO 14001:2015 and ISO 45001:2018.