

FR-LSH BUILDING WIRES



Kanbery Cable Code - FR-LSH BUILDING - KAN

APPLICATIONS

Suitable for wiring in new types of residential and commercial infrastructure for power distribution for electrical appliances and lighting in houses, commercial complexes, shopping malls, buildings, industries, hospitals, apartments, etc., where fire and electrical safety is of utmost importance.

CHARACTERISTICS

Voltage Rating

Up to and including 1100V

Temperature Rating

Fixed : -15°C to 70°C

Minimum Bending Radius

Fixed: 6 x overall diameter

CONSTRUCTION

Conductor

Annealed stranded or Bunched Flexible Copper conductor
Class-2 | Class-5 as per IS 8130

Insulation

Specially formulated flame Retardant low smoke and Halogen PVC insulation used as Per IS 5831 Type - D

Core identification

core: ● Green ● Blue ● Red ● Black

● Yellow ● Grey ○ White

Packing : 90 mtr. coil is packed in protective cartons Project packing of 180 mtr. 200 mtr. also available.

STANDARDS

IS 8130 : 2013	IEC 60332-1
IS 5831 : 1984	ASTM D 2863
IS 694 : 2010	ASTM D 2843-19

THE CABLE LAB

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-team emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable

operations at: www.kanberycable.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable is compliant with European regulation EN 50575 and Bureau of Indian Standards, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab as meeting the requirements of the BSI RoHS Trusted Kitemark™.



DIMENSIONS

Single Core Industrial Flexible Cable up to 1100V

Nominal cross sectional area of conductor	Number/ Nominal dia of strands	Nominal Insulation Thickness	Max. Overall Diameter	Max. Conductor Resistance at 20 °C	Current Rating	
					Casing	Concealed
Sq.mm	mm	mm	mm	Ohm / km	AMPS	AMPS
0.5	14/0.30*	0.7	2.8	18.1	14	13
0.75	22/0.30*	0.7	3.0	12.1	18	16
1.0	36/0.30*	0.8	3.7	7.41	24	20
1.50	56/0.30**	0.8	4.2	4.95	32	26
2.50	36/0.3**	0.8	3.7	7.41	24	20
4.0	56/0.3**	0.8	4.1	4.95	30	26
6.0	84/0.3**	0.8	4.6	3.30	38	33

* Class 2 Stranded conductor | | ** Class 5 Flexible conductor

FR Properties

Test	Specified	Specified Values
Limited Oxygen Index Test	IS 10810-58	>29%
Limited Temperature Index Test	IS 10810-65	>250%

FRLS/ ZHFR Properties

Test	Specified	Specified Values
Limited Oxygen Index Test	ASTM-D 2863	> 32%
Limited Temperature Index Test	ASTM-D 2863	>250%
Smoke Density (Light Absorption)	ASTM-D 2843	< 50%
Acid Gas Generation	1 EC-607 54-1	< 18%

De. Rating factors for variation in ambient temperature

Ambient Temperature °C	35 °C	40 °C	45 °C	50 °C	55 °C	60 °C	65 °C
De. Rating Factor	1.08	1	0.91	0.82	0.7	0.57	0.4