

Flame Retardant

BCH FR & FR-LSH Wires



Stay Safe & Protected with BCH Wires & Cables

BCH Electric Limited, one of the largest manufacturers of LV electrical and electronics control in India, offers a wide range of Flame Retardant (FR) & Flame Retardant Low Smoke-Low Halogen (FR-LSH) Wires & Cables with enhanced properties to protect lives and property from electrical fires.

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Need a free sample ?  
Give a call on 1800-103-9262



BCH ELECTRIC LIMITED

# BCH FR & FR-LSH Cables

## KEY ATTRIBUTES

- Superior Flame Retardant characteristics
- Higher Critical Oxygen Indices
- Lower emissions of Smoke Density and Acid Gas Generation (FR-LSH)
- Insulation available in colors :Black, Red, Yellow, Blue, Grey, Green, White
- Sizes available from 0.50 to 50 Sq. mm
- BCH FR & FR-LSH Cables are tested to Indian / International Standards for below values:



TEST	TEST REQUIREMENTS	TYPICAL VALUES	
		FR & FR-LSH WIRES	PVC INSULATED WIRES
Critical Oxygen Index	To determine percentage of oxygen required for supporting combustion of insulating material at room temperature (IS 10810 Part 58)	More than 29%	23%
Temperature Index	To determine at what temperature normal oxygen content of 21% in air will support combustion of insulating material (IS 10810 Part 64)	More than 250°C	150°C
Acid gas generation	To ascertain the amount of Hydrochloric acid gas evolved from insulation of wire under fire (IS 10810 Part 59)	Less than 20%	45 -50%
Smoke Density	To measure the performance of a cable under specified test conditions as per IEC 61034-2:2006. Measurement of the Smoke density in the air	Less than 60% (Only for FR-LSH)	More then 60%

**Also meets requirements of Flammability test as per IS 10810 : Part 53**

BCH Code	(Sq. mm.)
CRFR01-0005D-AAA	0.5 Sqmm
CRFR01-0008D-AAA	0.75 Sqmm
CRFR01-0010D-AAA	1.0 Sqmm
CRFR01-0015D-AAA	1.5 Sqmm
CRFR01-0025D-AAA	2.5 Sqmm
CRFR01-0040D-AAA	4.0 Sqmm
CRFR01-0060D-AAA	6.0 Sqmm
CRFR01-0100D-AAA	10 Sqmm
CRFR01-0160A-AAA	16 Sqmm
CRFR01-0250A-AAA	25 Sqmm
CRFR01-0350A-AAA	35 Sqmm
CRFR01-0500A-AAA	50 Sqmm

BCH Code	CONDUCTOR AREA (Sq. mm.)
CRLS01 -0005D-AAA	0.5 Sqmm
CRLS01 -0008D-AAA	0.75 Sqmm
CRLS01 -0010D-AAA	1.0 Sqmm
CRLS01 -0015D-AAA	1.5 Sqmm
CRLS01 -0025D-AAA	2.5 Sqmm
CRLS01 -0040D-AAA	4.0 Sqmm
CRLS01 -0060D-AAA	6.0 Sqmm
CRLS01 -0100D-AAA	10 Sqmm
CRLS01 -0160A-AAA	16 Sqmm
CRLS01 -0250A-AAA	25 Sqmm
CRLS01 -0350A-AAA	35 Sqmm
CRLS01 -0500A-AAA	50 Sqmm



## BCH ELECTRIC LIMITED

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