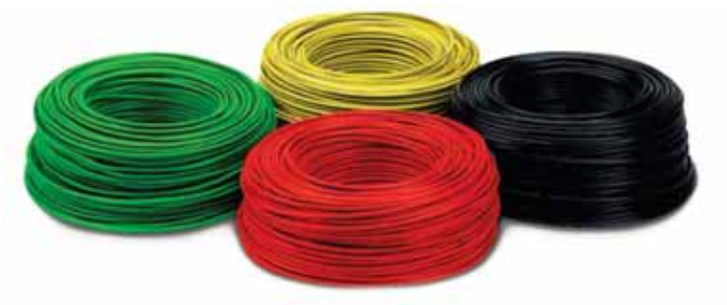
SRiNi LiNK®

Since 1997

Mfg. of Wires & Cables

CONNECT YOUR FUTURE

FR BUILDING WIRES



Now your Dream Home is Electrically SAFE

SRiNi LiNK Fire Retardant (FR) Building Wires, are one of the best protector against current sparking and fire.

SRiNI LiNK FR Building Wires are manufactured by keeping all the aspects & specifcation of ISI & International standards, which makes our cable one of the best product for your home & office.

Use **SRiNI LiNK** FR Building Wires for durability & safety.

RoHS 2 COMPLIANT

O_2 + 29%

At Room Temp.

O_2 21%

At 250°C

www.srinilink.com

SRiNi LiNK®
Since 1997
Mfg. of Wires & Cables
CONNECT YOUR FUTURE

FR WIRES : Fire Retardant - RoHS PVC Insulated Building Wires

Application: FR Building wires are mainly used in **House, Commercial & Industrial Building, etc** for internal, external & concealed wiring and also in panel boards wiring & electricity distribution board wiring.

Features: Wherever due to electrical spark flame takes place, its Oxygen index and temperature index doesn't allow flame to prolong further.

Conductor: With Bright-annealed EC grade copper with **99.90 to 99.97 % purity**, which offers low conductor resistance, lower heating and save the power consumption.

RoHS Insulation : The FR PVC insulation formulation is of TYPE A, TYPE C & TYPE D category. Along with maintaining Standard required concentration of oxygen & temperature index along with better insulation resistance and di-electric strength.

Working Voltage	**: upto 1100 V**
Colour Code	**: RED, BLACK, BLUE, YELLOW, GREEN, WHITE & GREY**
Packing	**: 90 Mtrs. box packing upto 6.00 SQ.MM / 25 Mtrs. / as per requirement**

Technical Specification for FR / FR-LSH / ZHFR or HFFR Building Wires

(Generally conforming to IS : 694 : 2010)

Nominal Area of Conductor	Number / Diameters of Wires	Nominal Thickness of Insulation	Max Conductor Resistance/km @ 20° C	Current Carrying Capacity in Amps. as per IS:3961			
				On Cable Tray		Concealed Wiring	
Sq.mm	mm	mm	Ohms / Class	Single Phase	Three Phase	Single Phase	Three Phase
0.50	16 / 0.2	0.6	39.00 / 5	4	-	-	-
0.75	24 / 0.2	0.6	26.00 / 5	7	7	-	-
1.00	14 / 0.3 or 32 / 0.2	0.7	18.10 / 2 or 19.50 / 5	12	12	11	9
1.50	22 / 0.3 or 30 / 0.25	0.7	12.10 / 2 or 13.30 / 5	16	15	13	11
2.50	36 / 0.3 or 50 / 0.25	0.8	7.41 / 2 or 7.98 / 5	22	20	18	16
4.00	56 / 0.3	0.8	5.09 / 5	29	26	24	20
6.00	84 / 0.3	0.8	3.39 / 5	37	33	31	25
10.00	140 / 0.3	1.0	1.91 / 5	51	45	42	35
16.00	126 / 0.4	1.0	1.21 / 5	68	61	57	48

TYPE TEST: FOR FR PVC

Test	Function	Specification	Typical Values - Flame guard
Critical Oxygen Index	To determine percentage of oxygen required for supporting combustion of insulating material at room temperature	IS 694	More than 29%
Temperature Index	To determine at what temperature normal oxygen content 21% in air will support combustion of insulating material	IS 694	More than 250°C.

FR-LSH WIRES : Fire Retardant - Low Smoke Halogen RoHS PVC Insulated Building Wires

Application: These Cables are mainly used & recommended where more number of people are their or where different kinds of modern electrical equipments are used like **Hospitals, Schools & Colleges, Malls, Hotels, Commercial Buildings & Govt. Offices** or as per users.

Features: Wherever due to any unavoidable circumstance fire take place at that time because of its properties, these cable doesn't support flame where Oxygen index is below 29% or temperature index of that particular cable reaches to 250°C and beyond this if fire is at very massive level than its low smoke density and low halogen gas release properties helps people to stay conscious and evacuate easily by fire safety peoples.

Conductor: With Bright-annealed EC grade copper with **99.90 to 99.97 % purity**, which offer low conductor resistance, lower heating and save the power consumption.

RoHS Insulation :

- FR-LSH PVC insulation formula is of TYPE -A or TYPE -D (C2 Category) and so well developed by us because of which, it maintains more than the required IS:694 physical, chemical & mechanical properties.

TYPE TEST : FOR FR-LSH PVC

Test	Function	Specification	Typical Values - Flame guard
Critical Oxygen Index	To determine percentage of oxygen required for supporting combustion of insulating material at room temperature	IS 694	More than 29%
Temperature Index	To determine at what temperature normal oxygen content 21% in air will support combustion of insulating material	IS 694	More than 250 °C
Smoke density (Light Transmission)	To determine the visibility (light transmission) under fire of insulation material	ASTM-D 2843	Max. 60%
Halogen Acid Gas Generation	To ascertain the amount of hydro chloric acid gas evolved from insulation of cable under fire	IS 694	Less than 20%

HFFR WIRES (Halogen Free Fire Retardant) : Halogen Free Fire Retardant Wires

Application: These Cables are mainly used & recommended where more number of people are their or where different kinds of modern electrical equipments are used like **Hospitals, Schools & Colleges, Malls, Hotels, Commercial Buildings & Govt. Offices** or as per users.

Features: Wherever due to any unavoidable circumstance fire take place at that time because of its properties, these cable doesn't support flame where Oxygen index is below 29% or temperature index of that particular cable reaches to 250°C and beyond this if fire is at very massive level than its low smoke density and low halogen gas release properties helps people to stay conscious and evacuate easily by fire safety peoples.

Conductor: With Bright-annealed EC grade copper with **99.90 to 99.97 % purity**, which offer low conductor resistance, lower heating and save the power consumption.

RoHS Insulation :

- FR-LSH PVC insulation formula is of TYPE -A or TYPE -D (C2 Category) and so well developed by us because of which, it maintains more than the required IS:694 physical, chemical & mechanical properties.

Working Voltage **: up to 1100 V**
Colour Code **: RED, BLACK, BLUE, YELLOW GREEN, YELLOW-GREEN, WHITE & GREY**
Packing **: 90 Mtrs. / 100 Mtrs. / 180 Mtrs. /200 Mtrs. / 300 Mtrs. / as per requirement**

TYPE TEST : FOR HFFR INSULATION

Test	Function	Specification	Typical Values - Flame guard
Critical Oxygen Index	To determine percentage of oxygen required for supporting combustion of insulating material at room temperature	ASTM-D 2863	More than 29%
Temperature Index	To determine at what temperature normal oxygen content 21% in air will support combustion of insulating material	ASTM-D 2863	More than 250°C.
Smoke density (Light Transmission)	To determine the visibility (light transmission) under fire of insulation material	ASTM-D 2863	More than 80%
Halogen Acid Gas Generation	To ascertain the amount of hydro chloric acid gas evolved from insulation of cable under fire	IEC 60754-1	Less than 0.50%

TIER 1 CUSTOMERS

MINDA

Lucas-TVS Limited

LIST OF OUR END USER CUSTOMERS

AUTOMOBILE

TAFE

TVS

MARUTI SUZUKI Count on us

PIAGGIO

BAJAJ Distinctly Ahead

HYUNDAI

TOYOTA

ASHOK LEYLAND

HONDA

Hero

VOLVO EICHER

TATA HITACHI

FORCE MOTORS

Mahindra

TATA

AMPERE By GREAVES

PANEL & SWITCH BOARD

MEGAWIN Your Switch to Future

stelmec beyond boundaries

SIEMENS

Crompton Greaves

BHEL

EPCOS

SRiNi LiNK

Regd. Office & Works: Plot No. 1308/2, 1308/1 & 1309/2, Road No. 18, Phase 3,
G I D C Industrial Estate, Umbergaon - 396171, Gujarat. • Tel.: +91 260 2562712 / 2564197
E: sl.marketing@srinilink.com • **W:** www.srinilink.com