

*Leading the way to a  
Lead free environment*



**Flame Retardant  
Lead Free**

*'ROHS Compliant'*

**FR- Lead free**

*PVC Insulated Industrial Cables  
(Multi Strand) 1100 Volts*



- High Current Carrying Capacity • Energy Saving • Higher Flexibility
- High Fire Retardancy • Glossy & Smooth Surface Finish • Low Emission of Toxic Gases • Computerized Cable Design • Free from hazardous substances

**AUTHORIZED LARGEST DISTRIBUTOR**

**PARADISE ELECTRICAL INDUSTRIES**

**Contact Us**

**Phone No.:** +91-70113 12643, +91-96259 32941

**Website:** [paradispecialitycables.com](http://paradispecialitycables.com)

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## **POLYCAB FIRE RETARDANT BUILDING WIRES**

POLYCAB, a leading Indian Wire & cable manufacturer established its brand name in wire & cables 40 years before and continuing its service to the Indian & Global market with a major volume as well as quality.

Wires & Cables are the 'pipeline' for the flow of current, data and signal information which form the backbone in a manufacturing environment as well as our day to day life. Therefore not only should these Wires & Cables be produced in an organized and controlled environment but also adhere to best practices, international standards of quality, environmental safety standards, technical performance and product consistency. The quality standard has improved tremendously as several foreign players have already entered in the market and POLYCAB wires & cables are at par with all branded products.

To carry forward the brand name POLYCAB is always looking for a highest quality raw materials as well as state-of-the production process and engineering. If a buyer gets a cable from unbranded supplier who uses impure copper for which he has to pay a higher prices as the resistance for one meter wire will be very high, and secondly impure copper means more losses in transmission or inflated electrical bill at home. We can save up to 20% of electricity in transmission if pure copper and highly insulated PVC cables are used.

POLYCAB is an organization who believes in customer's growth and success and would like to serve for long time. Despite the increase of material prices POLYCAB always absorbs the additional cost and keeps the profit razor like thin and maintaining the quality unchanged.

POLYCAB has the broadest range of solutions for a great variety of commercial, industrial, hospital, hotel and residential applications in electrical, lighting, building and constructions.

POLYCAB is the total solution provider in ever changing global marketplace. POLYCAB will provide with years of quality performance and satisfaction. Whether you are considering purchasing for the first time or have been with us for years, our commitment to your success is unwavering.

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POLYCAB - FR - LF 10 SQ MM 1100V IS : 694  CM/L - 2832257 CE

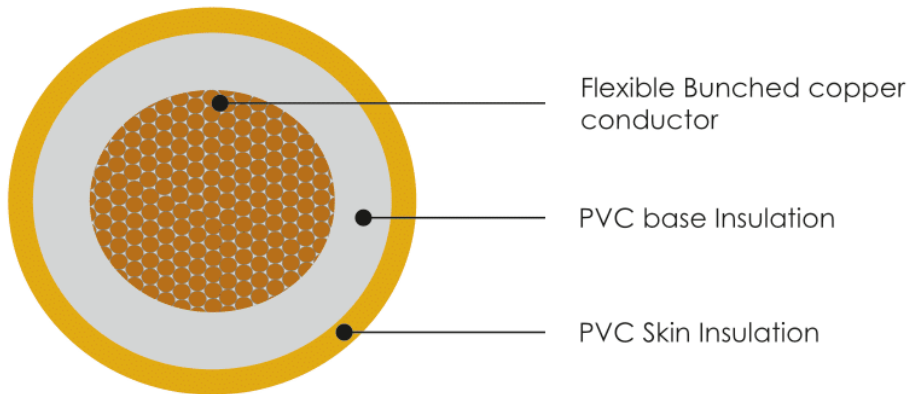
## SINGLE CORE CABLES

### APPLICATION

Polycab Single core FR-LF wire is Eco & environment friendly to the environment & suitable for use where high flexibility is of Prime importance. This is also suitable for indoor and outdoor installation in industries, household appliances, power supply for refrigerators, air conditioners and building electrification.

### CABLE DESIGNATION / TYPE

#### FR-LF



### PRODUCT FEATURE

- Flame Retardant
- Smooth & glossy surface with enhanced lubrication properties
- High Insulation Resistance
- High abrasion Resistance
- ROHS Complaint

### DESIGN

- Plain annealed bunched circular copper conductor
- Insulation: Flexible PVC compound

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**CORE IDENTIFICATION**

- Red, Yellow, Blue, Black, Green  
(Customized colour can be provided)

**APPLICABLE STANDARD**

- IS 694 : 2010
- IEC 60332 - 1 : 2004
- ASTM 2863 : ASTM D2803-17a

**APPROVALS**

- IS 8130 : 2013 BIS 
- **CE**

**CABLE CHARACTERISTICS**

- Nominal Voltage (U0/U) : 600/1100 V
- Max Operating Temperature : 70°C
- Temperature Range : -15°C to + 70°C
- Flame Resistant : ASTM D2863
- Flammability : IEC 60332 - 1:2004
- Minimum Bending Radius : 8D

**FR-LF**

Nominal Area of Conductor SQ.mm.	Max Diameter of each strand	Thickness of Insulation (Nom.) mm.	Approx. Overall Diameter mm.	Current Carrying Capacity* Rating Amps.	Resistance (Max.) per Km. @20°C Ohms
0.75	24/0.21	0.6	2.5	7	26
1	14/0.31	0.7	2.8	12	18.1
1.5	22/0.30	0.7	3.1	16	12.1
2.5	36/0.30	0.8	3.8	22	7.41
4	56/0.30	0.8	4.4	29	4.95
6	84/0.30	0.8	5.2	37	3.3
10	80/0.41	1.0	5.8	51	1.91
16	126/0.40	1.0	6.8	68	1.21

THE ABOVE DATA IS INDICATIVE AND MAY BE REVISED WITHOUT PRIOR INFORMATION.  
 "POLYCAB" WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF INCORRECT APPLICATION OF ITS PRODUCTS.

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POLYCAB - FR - LF - LSH 10 SQ MM 1100V IS : 694 CM/L - 2832257 CE

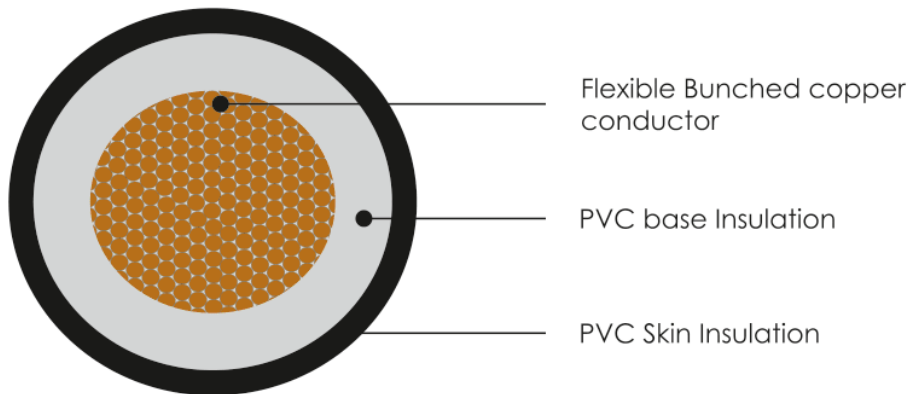
### SINGLE CORE CABLES

#### APPLICATION

Polycab Single core FR-LSH unsheathed insulated wire is suitable for residential wiring, either through embedded conduit or on the surface of the wall. The wire has enhanced flame resistant properties and low smoke generation hence it is suitable for use in all high rise buildings, malls and Hospitals.

#### CABLE DESIGNATION / TYPE

##### FR-LF-LSH



#### PRODUCT FEATURE

- Flame Retardant
- Low Smoke
- Smooth & glossy surface with enhanced lubrication properties
- High Insulation Resistance
- High abrasion Resistance
- ROHS Compliant

#### DESIGN

- Plain annealed bunched circular copper conductor
- Insulation: Flexible PVC compound

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### CORE IDENTIFICATION

- Red, Yellow, Blue, Black, Green  
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### APPLICABLE STANDARD

- IS 694 : 2010
- IEC 60332 -1 : 2004
- ASTM D2863
- ASTM D2843-16
- IEC 60754 -1 : 2011

### APPROVALS

- IS 8130 : 2013 
- CE

### CABLE CHARACTERISTICS

- Nominal Voltage (U0/U) : 600/1100 V
- Max Operating Temperature : 70°C
- Temperature Range : -15°C to + 70°C
- Oxygen Index : >29%
- Smoke Density Rating : Max 60%
- Acid Gas Generation : Max 20%
- Flammability : IEC 60332 - 1
- Minimum Bending Radius : 8D

### FR-LSH

Nominal Area of Conductor SQ.mm.	Max Diameter of each strand	Thickness of Insulation (Nom.) mm.	Approx. Overall Diameter mm.	Current Carrying Capacity* Rating Amps.	Resistance (Max.) per Km. @20°C Ohms
0.75	24/0.20	0.6	2.5	7	26
1	14/0.30	0.7	2.8	12	18.1
1.5	22/0.30	0.7	3.1	16	12.1
2.5	36/0.30	0.8	3.8	22	7.41
4	56/0.30	0.8	4.4	29	4.95
6	84/0.30	0.8	5.2	37	3.3
10	80/0.40	1.0	5.8	51	1.91
16	126/0.40	1.0	6.8	68	1.21

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POLYCAB - HR - FR - LF 10 SQ MM 1100V IS : 694 CM/L - 2832257 CE

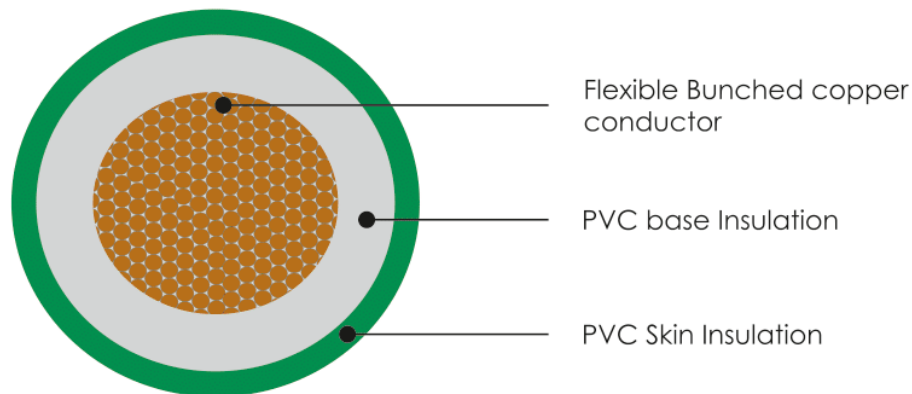
### SINGLE CORE CABLES

#### APPLICATION

Polycab Single core HR-FR-LF unsheathed wire is suitable for power supply in places where extra fire safety and heat Resistance is required like in high rise buildings, malls, hospitals & subways. This can be used either through embedded conduit or on the surface of the wall.

#### CABLE DESIGNATION / TYPE

##### HR-FR-LF



#### PRODUCT FEATURE

- Flame Retardant
- Smooth & glossy surface With enhanced lubrication properties
- High Insulation Resistance
- High abrasion Resistance
- Rohs Complaint

#### DESIGN

- Plain annealed bunched circular copper conductor
- Insulation: Flexible PVC compound

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### CORE IDENTIFICATION

- Red, Yellow, Blue, Black, Green  
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### APPLICABLE STANDARD

- IS 694 : 2010
- IEC 60332 -1 : 2004
- ASTM D2863 : 17a

### APPROVALS

- IS 8130 :2013 
- **CE**

### CABLE CHARACTERISTICS

- Nominal Voltage (U0/U) : 600/1100 V
- Max Operating Temperature : 85°C
- Temperature Range : -15°C to + 85°C
- Flame Resistant : ASTM 2863
- Flammability : IEC 60332 - 1
- Minimum Bending Radius : 8D

### HR-FR-LF

Nominal Area of Conductor SQ.mm.	Max Diameter of each strand	Thickness of Insulation (Nom.) mm.	Approx. Overall Diameter mm.	Current Carrying Capacity* Rating Amps.	Resistance (Max.) per Km. @20°C Ohms
0.75	24/0.20	0.6	2.5	8.4	26
1	14/0.30	0.7	2.8	14.4	18.1
1.5	22/0.30	0.7	3.1	19.2	12.1
2.5	36/0.30	0.8	3.8	26.4	7.41
4	56/0.30	0.8	4.4	34.8	4.95
6	84/0.30	0.8	5.2	44.4	3.3
10	80/0.40	1.0	5.8	61.2	1.91
16	126/0.40	1.0	6.8	81.6	1.21

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