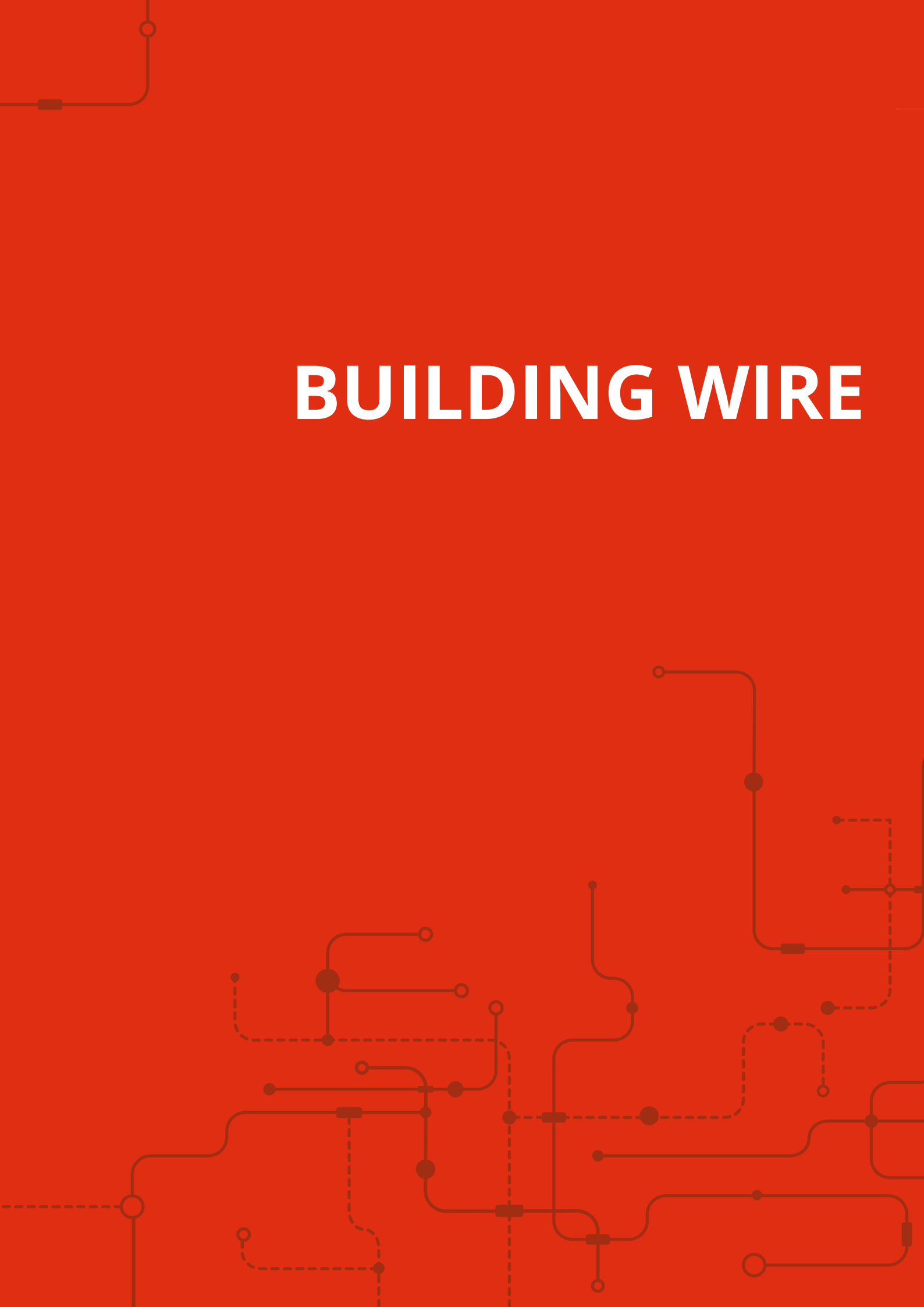


BUILDING WIRE



FR WIRE



*Flame Retardant (FR) PVC Insulated Single Core
Unsheathed Copper Wire (up to 1100 V)*

APPLICATION :

Suitable for wiring in all kind of infrastructure, residential as well as industrial

CONDUCTOR :

The Conductors, drawn from bright electrolytic grade copper are annealed and bunched together for better flexibility and higher rating values

COLOR :

Red, Yellow, Blue, Black, Grey, Green, White
Any specialized as per customer requirement.

VOLTAGE GRADE :

Up to and including 1100 V

APPROVALS :

IS 694:2010, ISO 9001:2015, FIA/TAC

INSULATION :

These wires are insulated with a Flame Retardant (FR) PVC Compound.

PACKING :

90 Mtr. Coil in Carton Packing, 180 Mtr. Project Coil

Size, Dimension and Rating

Nominal Area of Conductor (sq mm)	Number/Nom. Dia of Strands* (Nom.)	Thickness of Insulation (Nom.) (mm)	Overall Diameter (Max) (mm)	Current Carrying Capacity* (AMPS)		Resistance (Max) km.@20 C (Ohm/km)
				Casing	Concealed	
0.75	24/0.20	0.6	2.5	8	7	26.00
1.00	14/0.30	0.7	2.8	12	11	18.10
1.50	22/0.30	0.7	3.1	16	13	12.10
2.50	36/0.30	0.8	3.8	22	18	7.41
4.00*	56/0.30	0.8	4.4	29	24	4.95
6.00*	84/0.30	0.8	5.2	37	31	3.30

*As per IS 3961 (Part V)-1968 and conductor as per IS-8130:1984

FR Properties

Test	Specification	Value
Critical Oxygen Index	ASTM-D-2863	Minimum 29
Temperature Index	ASTM-D-2863	Minimum 250 C

Note : *Conductor in Class V as per IS:8130

HRFR WIRE



*Multistranded Heat Resistant Flame Retardant (HRFR)
PVC Insulated Single Core Unsheathed Copper Wire
as per IS:694-2010 (up to 1100 V)*

APPLICATION :

Suitable for wiring in all kind of infrastructure, residential as well as industrial.

CONDUCTOR :

The Conductors, drawn from bright electrolytic grade copper are annealed and bunched together for better flexibility and higher rating values

COLOR :

Red, Yellow, Blue, Black, Grey, Green, White
Any specialized as per customer requirement.

VOLTAGE GRADE :

Up to and including 1100 V

APPROVALS :

IS 694:2010, ISO 9001:2015, FIA/TAC

INSULATION :

These wires are insulated with a Heat Resistant Flame Retardant (HRFR) PVC Compound.

PACKING :

90 Mtr. Coil in Carton Packing, 180 Mtr. Project Coil

Size, Dimension and Rating

Nominal Area of Conductor (sq mm)	Number/Nom. Dia of Strands* (Nom.)	Thickness of Insulation (Nom.) (mm)	Overall Diameter (Max) (mm)	Current Carrying Capacity* (AMPS)		Resistance (Max) km.@20 C (Ohm/km)
				Casing	Concealed	
0.75	24/0.20	0.6	2.5	8	7	26.00
1.00	14/0.30	0.7	2.8	12	11	18.10
1.50	22/0.30	0.7	3.1	16	13	12.10
2.50	36/0.30	0.8	3.8	22	18	7.41
4.00*	56/0.30	0.8	4.4	29	24	4.95
6.00*	84/0.30	0.8	5.2	37	31	3.30

*As per IS 3961 (Part V)-1968 and conductor as per IS-8130:1984

HRFR+ Properties

Test	Specification	Value
Critical Oxygen Index	ASTM-D-2863	Minimum 29
Temperature Index	ASTM-D-2863	Minimum 250 C

OIL & HEAT RESISTANT

Note : *Conductor in Class V as per IS:8130

FRLS WIRE



*Multistrand Copper Conductor
Flame Retardant Low Smoke PVC Insulated
Single Core Wire (up to 1100 V)*

APPLICATION :

Suitable for wiring in all kind of infrastructure, especially for fire and explosion prone areas, chemical industries, school and colleges, hospitals, theaters, densely populated areas etc.

CONDUCTOR :

The Conductors, drawn from bright electrolytic grade copper are annealed and bunched together for better flexibility and higher rating values.

COLOR :

Red, Yellow, Blue, Black, Grey, Green, White
Any specialized as per customer requirement.

VOLTAGE GRADE :

Up to and including 1100 V

APPROVALS :

IS 694:2010, ISO 9001:2015, FIA/TAC

INSULATION :

These wires are insulated with a Flame Retardant Low Smoke Low Halogen (FRLS) PVC Compound to restrict the flame smoke as well as spread of flames in fire situation.

INSULATION IS :

IS 5831 Type A/D FR-LS 70 C

PACKING :

180 Mtr. Project Coil

Size, Dimension and Rating

Nominal Area of Conductor (sq mm)	Number/Nom. Dia of Strands* (Nom.)	Thickness of Insulation (Nom.) (mm)	Overall Diameter (Max) (mm)	Current Carrying Capacity* (AMPS)		Resistance (Max) km.@20 C (Ohm/km)
				Casing	Concealed	
1.00	14/0.30	0.7	2.8	12	11	18.10
1.50	22/0.30	0.7	3.1	16	13	12.10
2.50	36/0.30	0.8	3.8	22	18	7.41
4.00*	56/0.30	0.8	4.4	29	24	4.95
6.00*	84/0.30	0.8	5.2	37	31	3.30

*As per IS 3961 (Part V)-1968 and conductor as per IS-8130:1984

FR-LS Properties

Test	Specification	Value
Critical Oxygen Index	ASTM-D-2863	Minimum 29
Temperature Index	ASTM-D-2863	Minimum 250 C
Acid Gas Generation	IEC 754	Maximum 20
Smoke Density	ASTM-D-2843	Maximum 60

Note : *Conductor in Class V as per IS:8130

ZHFR WIRE



*Multistrand Copper Conductor Zero Halogen
Flame Retardant PVC Insulated Single
Core Wire (up to 1100 V)*

APPLICATION :

Suitable for wiring in all kind of infrastructure fire safety is of utmost importance, like high rise buildings, pharmaceutical companies, laboratories, theatres, school & college building, chemical industries ect.

CONDUCTOR :

The Conductors, drawn from bright electrolytic grade copper are annealed and bunched together for better flexibility and higher rating values.

COLOR :

Red, Yellow, Blue, Black, Grey, Green, White
Any specialized as per customer requirement.

VOLTAGE GRADE :

Up to and including 1100 V

APPROVALS :

IS 694:2010, ISO 9001:2015, FIA/TAC

INSULATION :

These wires are insulated with a Zero Halogen Flame Retardant (ZHFR) PVC Compound.

INSULATION IS :

IEC 60332-1&3, IEC 60754-1&2

PACKING :

180 Mtr. Project Coil

Size, Dimension and Rating

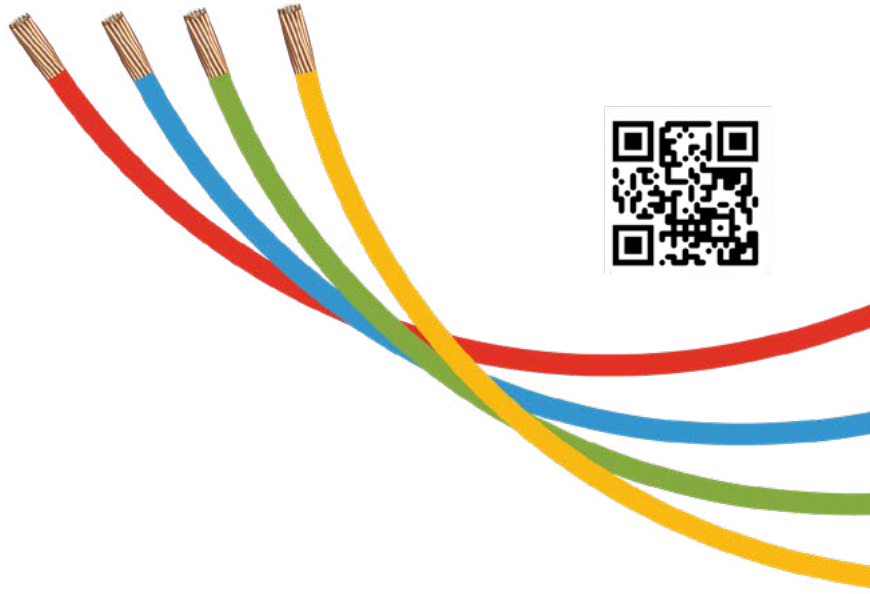
Nominal Area of Conductor (sq mm)	Number/Nom. Dia of Strands* (Nom.)	Thickness of Insulation (Nom.) (mm)	Overall Diameter (Max) (mm)	Current Carrying Capacity* (AMPS)		Resistance (Max) km.@20 C (Ohm/km)
				Casing	Concealed	
1.00	14/0.30	0.7	2.8	12	11	18.10
1.50	22/0.30	0.7	3.1	16	13	12.10
2.50	36/0.30	0.8	3.8	22	18	7.41
4.00*	56/0.30	0.8	4.4	29	24	4.95
6.00*	84/0.30	0.8	5.2	37	31	3.30

*As per IS 3961 (Part V)-1968 and conductor as per IS-8130:1984

ZHFR Properties

Test	Specification	Value
Critical Oxygen Index	ASTM-D-2863	Minimum 29
Temperature Index	ASTM-D-2863	Minimum 250 C
Acid Gas Generation	IEC 754	Maximum 5
Smoke Density	ASTM-D-2843	Maximum 20

Note : *Conductor in Class V as per IS:8130



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