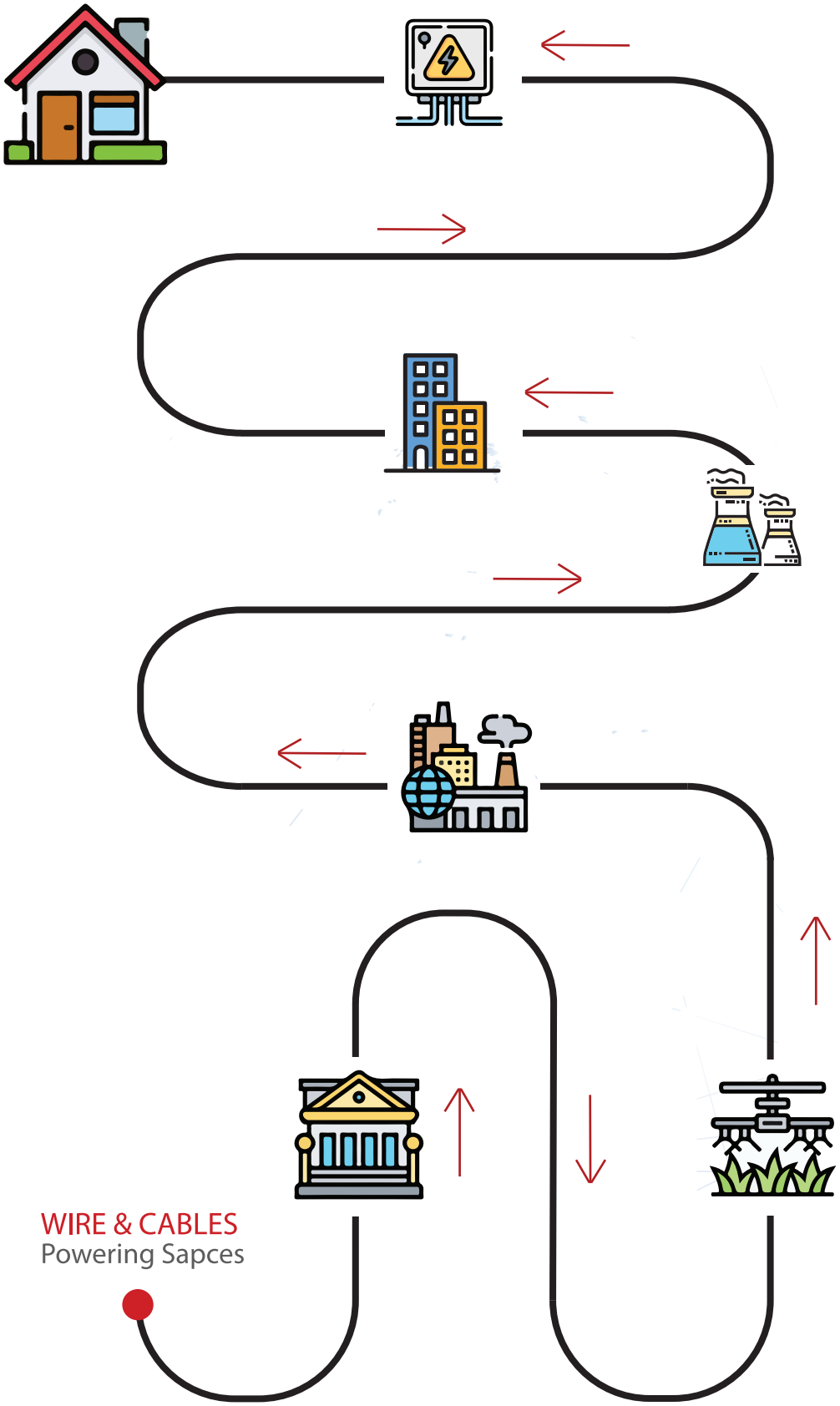
ROLSON®
WIRES & CABLES

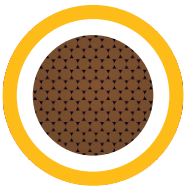
Product Catalogue



ROLSON®
WIRES & CABLES

IS : 694
CM/L - 7500269814

BUILDING WIRE
FR/FRLS/ HRFR/ZHFR





Silent Features (FR and FRLS)

- Good Flame Retardant Properties
- Excellent resistant to moisture, abrasion, grace, oil
- Long Life
- Excellent mechanical & electrical properties
- Steam and boiling water resistant

Silent Features (ZHFR)

- Zero Halogen acid gas Evolution
- Non corrosive and non toxic insulation
- High temperature resistant insulation
- Better Flame retardant property
- Excellent resistant to moisture, abrasion, grace, oil
- Long Life

Technical Data

Operating Temp : -10°Cto max.+90°C
Nominal voltage : 1.1 KV
Test voltage : 3.0 KV
Flame propagation : Flame retardant test as per IS 10810-58,64, IEC 60332-1

Cable Standard

Generally conforms to IS 694:2010, BS6004

Standard Packing

Coils 90m, 180m and 360m

Conductor : Annealed flexible bare Copper class-2 and class-5 Conductor as per IS:8130-1984

Insulation : PVC FR, FRLS,HRFR,ZHFR as per IS:5831-1984

Colour

Red, yellow, Blue, Black, Brown, Grey, Orange, White, Green, Yellow/green or as per customer requirement

Application

Fixed installation in conduits and under plaster, for appliance wiring & distribution stations.
Fixed Wiring in Conduits & Building wire Application.

Wire Siz	No. of wire / Diameter of Wire	Insulation Thickness	OD	Max Conductor Resistance at 20°C	Current Rating At Ambient Temperature
sq.mm	No./mm	mm	mm	Ω/km	Amps
0.50	16/0.20	0.60	2.10	39.0	4
0.75	10/0.30* OR 24/0.20	0.60	2.40	26.0	8
1.0	14/0.30 OR 32/0.20	0.60	2.65	18.10	11
1.5	22/0.30* OR 30/0.250	0.70	3.0	12.10	13
2.5	36/0.30* OR 50/0.250	0.80	3.6	7.41	18
4.0	56/0.30	0.80	4.0	4.95	24
6.0	84/0.30	0.80	5.1	3.30	31
10.0	140/0.30	1.0	6.3	1.91	52
16.0	224/0.30	1.0	8.0	1.21	70

* Class-2 Conductor • If Required Tinned copper conductor also available

Test (FRLS)	Specification	Specified Values
Limited Oxygen Index Test	IS 10810-58	> 29%
Limited Temperature Index Test	IS 10810-64	> 250°
Smoke Density Rating(Light Absorption)	ASTM D 2843	<60%
Halogen Acid Gas Generation	IS 10810-59	< 20%

Test (FR)	Specification	Specified Values
Limited Oxygen Index Test	IS 10810-58	> 29%
Limited Temperature Index Test	IS 10810-64	> 250° C

Test (ZHFR)	Specification	Specified Values
Limited Oxygen Index Test	IS 10810-58	> 31%
Limited Temperature Index Test	IS 10810-64	> 300°
Smoke Density Rating(Light Absorption)	ASTM D 2843	< 20%
Halogen Acid Gas Generation	IS 10810-59	< 0.5%

Note:The number of wires and diameter mentioned in the table are approximate and nominal; however they shall meet the requirements of conductor resistance as per standards.In view of continuous improvements in our design and process, the information, Dimensions and specifications given herein are subject to change without notice.

ROLSON®
WIRES & CABLES

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