

# FLAME RETARDANT LOW SMOKE ( FRLS )



**PASAKA®**

# FRLS BUILDING WIRES

ISO |  | CE

## FLAME RETARDANT LOW SMOKE (FRLS) PVC INSULATED BUILDING WIRES

These wires are now being preferred over the FR wires in residential and commercial buildings due to reduced smoke generation. Pasaka FRLS Wires have enhanced properties of PVC insulation to reduce the toxic smoke generated in case of fire. Modern households and offices have increased number of gadgets. This concentrated load increases the chances to fire due to overload and subsequent short circuit. Since fires are generally attributed to electrical short circuits, due care should be taken in selection and installation of low and non-toxic smoke generating wires and cables for highly populated buildings.

Pasaka FRLS Building Wires are premium quality wires with Flame Retardant Low Smoke properties. Oxygen Index of normal PVC Wires is about 25% while pasaka FRLS Building Wires have Oxygen Index of more than the minimum 29%. Low Smoke Density of 60% helps in facilitating faster evacuation and fire fighting activities.

These wires are recommended for all premium quality construction like hotels, hospitals, schools, commercial complexes, residential apartments and so on.

### UNIQUE PROCESS FEATURES

- On-line wire drawing and annealing.
- High speed extruders (upto 500 metres per minute).
- Twin PVC insulated for better insulation & electrical properties.
- Automatic on-line critical diameter control.
- Stringent quality control.



SINGLE CORE, TWIN INSULATED WIRES IN VOLTAGE GRADE 1100 V.					
Nominal area of Conductor	Number/Nom. Dia. of wire	Thickness of Insulation (Nom.)	Approx. overall Diameter	Current carrying capacity* Rating	Resistance (Max.) per Km. @ 20°C
Sq. mm.	mm.	mm.	mm.	Amps.	Ohms
1.0	14/0.3	0.7	2.65	12	18.10
1.5	22/0.3	0.7	2.95	16	12.10
2.5	36/0.3	0.8	3.55	22	7.41
4.0	56/0.3	0.8	4.0	29	4.95
6.0	84/0.3	0.8	4.6	37	3.30
10.0	80/0.4	1.0	5.8	51	1.91
16.0	126/0.4	1.0	6.8	68	1.21

Standard Colours : Red, Yellow, Blue, Black and Green (for earthing). \* As per IS 3961 (Part-V)-1968  
Supplied in 90 metre lengths in attractive cartons. Conform to IS 694:1990. ISI Licence No. CML/-7829495

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