

Flame Retardant Low Smoke



FRLS INSULATED
WITH UNICARE BUNCHING

UNICARE
BUNCHING

An ISO 9001:2000 Certified Co.

FRLS

Flame Retardant Low Smoke

a german innovation



Meets additional requirements of international standards



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IS : 694



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Application

This is a premium product of electrical wires from Hills Cab. These cables are ideal for wiring in residential and commercial complexes, high-rise buildings, hotels, hospitals, schools, colleges etc where density of people is high. During a fire these cables not only emit less smoke and toxic hydrochloric acid gas but also retard the spread of fire enabling those trapped inside to escape safely.

Features

Manufactured from bright annealed 99.97% pure bare copper conductors these cables have low conductor resistance resulting in power saving. These wires are insulated with a special grade PVC compound formulated and manufactured in-house. The insulation is far superior in terms of critical oxygen and temperature index as also in light transmission and acid gas generation.

TECHNICAL DATA

Conductor Area Sq. mm	Insulation Thickness mm.	Configuration	Max. Overall Diameter mm.	Conductor Resistance Ohm / Km @ 20°C (Max.)	Current Rating Amps.	
					Casing	Concealed
1.00	0.6	19/0.26	3.2	18.1	14	
1.50	0.7	19/0.32	3.4	12.1	18	
2.50	0.8	37/0.29	4.2	7.41	24	
4.00	0.8	37/0.37	4.8	4.61	32	

FRLS PROPERTIES

Properties	Test Method	Value
Limited Oxygen Index	ASTM - 02863	Minimum 29%
Temperature Index	ASTM - 02863	Minimum 250°C
Smoke Density (Light absorption)	ASTM - 02843	Minimum 20%
Acid Gas Generation	IEC - 754 - 1	< .5%

All information given herein is in good faith. Hills Cab shall not be liable for any damages arising out of incorrect uses or interpretation. The company reserves the right to change any of the above specification without any prior notice.

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