GLOBOMOTIVE GROUP
Your Global Partners for Success

FRLS C Cable - upto 1100V

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USP

- Special Heat Resistant and Flame Retardant Low Smoke (FRLS) insulation.
- Higher Current Rating.
- Higher Temperature Rating.

APPLICATIONS

Suitable for use in conduit and for fixed protected insulation particularly suitable for wiring in fire and explosion prone areas, chemical factories, densely wired areas, public buildings, schools, hospitals, commercial complexes, theaters etc.

SPECIFICATIONS

Generally conforms to, IS 694, BS 6004, DIN VDE 0281-3, IEC 60332-1, IEEE 383, IEC 60754-1, BS 4066-1, IS8130 & IS 5831.

CONDUCTOR

Many thin strands of Electrolytic Copper are fine - drawn simultaneously for uniformity of Resistance, Dimension and Flexibility. The drawn strands are twisted in high precision machines and compacted. This not only imparts circularity to the bunched conductor but also prevents the tendency of the strands to separate and exert internal pressure on the insulation when the cable is bent during installation and usage.

INSULATION

Specially formulated high temperature grade of Flame Retardant Low Smoke compound to restrict the spread of flames in fire situation. The smoke emitted by the burning cable is less compared to traditional cables. This ensures improved visibility for evacuation of trapped victims and facilitates fire fighting operation.

Sizes, Dimensions and Ratings

Conductor Area Sq. mm	Insulation Thickness mm	Number *Nominal Dia. of Strands	Max. Overall Diameter mm	Conductor Resistance Ohm/km at 20°C (Max.)	Current Rating Amps.	
					Casing	Concealed
1.00	0.6	14/0.3	3.2	18.1	14	13
1.50	0.7	22/0.3	3.4	12.1	18	16
2.50	0.8	36/0.3	4.2	7.41	24	20
4.00	0.8	56/0.3	4.8	4.95	32	26

* Conductor as per IS-8130 : 1984

F. R. Properties

Properties	Test Method	Value
Limited Oxygen Index	ASTM - D 2863	35%
Temper ature Index	ASTM - D 2863	> 2500C
Smoke Density (Light absorption)	ASTM - D 2863	£ 60%

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