

FLAME RETARDANT



BIO CAB FLAME RETARDANT

| Does not catch flame | Does not propagate fire | Non-Toxic and Non-Corrosive.

- Applications : Wiring in all installations where fire safety is more important. Schools, theaters, commercial complexes, air conditioned apartments, high rise buildings, fire alarms and emergency lighting circuits.
- Specifications : Generally conforms to, IEC 60332-1 & 3, IEEE 383, IEC 60754-1 & 2, IS-8130, IS-694, IS-5831.
- Conductor : Thin strands of Electrolytic Copper are multi-drawn simultaneously for uniformity of Resistance, Dimension, and Flexibility. The drawn strands are bunched in high precision machines. A circular conductor is thus formed. The conductor is bunched in such a way that it reduces in overall diameter for space saving in high density wiring.
- Insulation : Specially formulated grade of Flame Retardant (FR) compound is used. The performance of the cable in a fire situation is exceptionally good. The insulation does not burn readily. It does not melt and drip. The smoke is negligible, transparent, non toxic. The victims trapped in fire do not suffocate and this facilitates fire fighting operations. Unlike general purpose PVC, the smoke emitted is non-corrosive. Thus, the electronic printed circuit boards, hard disks and other sensitive electronic equipments are unaffected.
- Marking : The cables are marked " BIO CAB - FR (Size) 1100 IS:694
- Colours : Red, Yellow, Blue, Black, Green.

Size, Construction and Current rating

Conductor Area Sq. mm	Insulation Thickness mm	Number of strands/ Nominal Dia, of Strands	Max. Overall Diameter mm	Conductor Resistance Ohm/km at 20°C(Max)	Current Rating Amps. Casting	Concealed
1.00	0.7	14/0.3	2.8	18.10	14	13
1.50	0.7	22/0.3	3.1	12.10	18	16
2.50	0.8	36/0.3	3.8	7.41	24	20
4.00	0.8	56/0.3	4.4	4.95	32	26



BIOcab
FOCUS FORWARD



FLAME RETARDANT Multi strand single core unsheathed flexible cables in voltage grade upto and including 1100 V.

