



# FR CABLES

## Insulation

To overcome the limitation of conventional Poly Vinyl Chloride (PVC) insulation of Flexible Industrial & Domestic Cables conductors are insulated with specially formulated PVC compound having High Insulation Resistance, Di-electric Strength, High Critical Oxygen Index and High Temperature Index.

## Conductor

Manufactured from electrolytic grade bright annealed copper which provides maximum conductivity to the flow of electricity. Thus helps in saving energy.

Flame Retardant (FR) PVC Insulated (Unsheathed) single core multi strand cable with electrolytic grade annealed copper conductor suitable up to 450/750 Volts grade conforming to IS:694

Nominal Area of Conductor Sq.mm	Number/ Nom. dia* of Wire mm	Nominal Thickness of Insulation mm	Approx. Overall Diameter mm	Current Carrying Capacity 2 Cables, Single Phase @		Max DC Conductor Resistance At 20°C Ohms/km
				In Conduit Amps	Unenclosed Amps	
0.5	16/0.2	0.6	2.2	04	05	39.00
0.75	24/0.2	0.6	2.5	07	08	26.00
1.0	14/0.3	0.7	2.8	11	12	18.10
1.5	22/0.3	0.7	3.1	13	16	12.10
2.5	36/0.3	0.8	3.8	18	22	7.41
4.0	56/0.3	0.8	4.4	24	29	4.95
6.0	84/0.3	0.8	5.0	31	37	3.30
10.0	80/0.4	1.0	6.5	–	46	1.91
16.0	126/0.4	1.0	7.4	–	62	1.21

Additional FR Properties		
Test	Specification	Specified Values
Critical Oxygen Index	IS 10810	Minimum 29%
Temperature Index	IS 10810	Minimum 250°C

Colours : Available in Red, Yellow, Blue, Black, Grey & Green.

Marking : The cables are printed with brand name, size in sq.mm. & voltage grade.