



## BUILDING WIRE - FR



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Ultracab FR building wires are insulated with flame retardant (FR) PVC compound, specially formulated to provide added safety. This FR PVC Compound has a high oxygen and temperature index. These properties help in restricting the spread of fire even at very high ambient temperatures. This special compound also offers high insulation resistance and dielectric strength.

These ISI marked wires meet the latest requirements of IS 694:1990 of flame retardant properties which means extra protection against electric shocks, short circuits and fires.

Ultracab wires are energy efficient as only Electrolytic Copper Conductors of 99.97% purity having very low resistance are used thus ensuring low energy losses.

## Single Core, Twin Insulated Wires In Voltage Grade 650/1100 V. (FR)

Nominal area of conductor	Number/Nom. Dia. of Wires	Thickness Insulation (Nom.)	Approx. Overall Diameter	Current Carrying Capacity* 2 wires single phase	Resistance (Max.) per km. @20°C
Sq. mm	No./mm	mm	mm	Amps.	Ohms
0.75	24/0.20	0.6	2.50	7	26.00
1.0	14/0.30	0.7	2.80	12	18.10
1.5	22/0.30	0.7	3.10	16	12.10
2.5	36/0.30	0.8	3.80	22	7.41
4.0	56/0.30	0.8	4.40	29	4.95
6.0	84/0.30	0.8	5.00	37	3.30

Standard Colours : Red, Yellow, Blue, Black and Green (for earthing).  
Supplied in 90 metre coil in attractive cartons. Confirm to IS 694:1990.

\*As per IS 3961 (PartV)-1968

## Additional FR Properties

Characterstics		
Critical Oxygen Index	ASTM-D 2863	More than 29%
Temperature Index	ASTM-D 2863	More than 250°C

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