



**ISO**  
9001:2008

**ISO**  
14001:2004

**OHSAS**  
18001:2007



CM/L-7829495

# AVOIDING FIRE CAN BE VERY TOUGH

*or this Easy*

Ordinary wires can make your home or office vulnerable to fire. POLYCAB Fire Retardant (FR) Building Wires are your safeguard against fire.

POLYCAB FR Building Wires manufactured as per Internationally accepted specifications inspire confidence in all segments of users across the globe.

Use POLYCAB FR Building Wires for your peace of mind.



*Wiring the World*

**Polycab  
Fire Retardant  
Building Wires**

# POLYCAB FR BUILDING WIRES

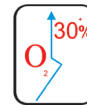
## POLYCAB FR : (Fire Retardant) PVC Insulated Building Wires

Polycab FR Building wires are insulated with a Fire Retardant (FR) PVC Compound, specially formulated by one of our Group Companies 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 temperatures. This special compound also offers high insulation resistance and dielectric strength.

These ISI marked wires meet the requirements of IS 694:1990. In addition, they also offer Fire Retardant properties which means extra protection against electric shocks, short circuits and fires.

### UNIQUE PROCESS FEATURES

- On-line wire drawing and annealing.
- High speed extruders (upto 500 metres per minute).
- Coextruded PVC insulation for better insulation & electrical properties.
- Automatic on-line critical diameter control.
- Stringent quality control.



### POLYCAB FR 1.5 SQ MM 1100V IS:694

#### SINGLE CORE, TWIN INSULATED WIRES IN VOLTAGE GRADE 650/1100 V.

Nominal area of Conductor	Number/Nom. Dia. of Wires	Thickness of Insulation (Nom.)	Approx. Overall Diameter	Current Carrying Capacity* 2 wires single phase	Resistance (Max.) per Km. @ 20°C
Sq. mm.	mm.	mm.	mm.	Amps.	Ohms
0.75	24/0.20	0.6	2.5	7	26.00
1.0	14/0.30	0.7	2.8	12	18.10
1.5	22/0.30	0.7	3.1	16	12.10
2.5	36/0.30	0.8	3.8	22	7.41
4.0	56/0.30	0.8	4.4	29	4.95
6.0	84/0.30	0.8	5.2	37	3.30

Standard Colours : Red, Yellow, Blue, Black and Green (for earthing).

\* As per IS 3961 (PartV)-1968

Supplied in 90 metre coils in attractive cartons. Conforms to IS 694:1990. ISI Licence No. CM/L-7829495



#### ADDITIONAL FR PROPERTIES

Test	Specification	Specified Value
Critical Oxygen Index	ASTM-D 2863	Minimum Oxygen Index 29%
Temperature Index	ASTM-D 2863 & BICC Handbook Chapter No. 6	Minimum Temperature Index 250° C

THE ABOVE DATA IS INDICATIVE ONLY AND MAY BE REVISED WITHOUT PRIOR INFORMATION.

POLYCAB WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF INCORRECT APPLICATION OF ITS PRODUCTS.

### POLYCAB WIRES PVT. LTD.

Polycab House, 771, Mogul Lane, Mahim (W), Mumbai 400 016, India.

Tel: +91 22 2432 7070-74 • Fax: +91 22 2432 7075

E-Mail : info@polycab.com • www.polycab.com

**BUY POLYCAB BUY PEACE OF MIND**