

POLYCAB[®]
ZHFR WIRES

unless fire-fighting
is more exciting to you



- DOES NOT CATCH FLAME
- ULTRA LOW SEE-THRU NON-TOXIC SMOKE



Fire !,

Ignited due to short circuits and propagated through PVC wires, is the major cause of hazards worldwide.

Fire may erupt through countless other sources too. Ordinary PVC wires are prone to catch flame and the excessive black smoke and toxic gases it emits could trap and devastate all rescuing efforts. Lives and assets which can not be seen through thick smoke, might never be seen. Besides, the corrosive gas contents in the smoke can damage electronic circuits, computer networks and even RCC.

POLYCAB ZHFR WIRES is the answer to this in an increased load scenario. These wires have flame retardant fire resisting properties. In the event of persistent fire, the near total absence of smoke, toxic fumes & corrosive gases makes rescuing and fire-fighting easier.

POLYCAB[®]
**HALOGEN FREE
FLAME RETARDANT
HOUSE WIRES**

The ultimate safety wires

ISO
9001:2000

FIA

TAC

ZHFR HOUSE WIRES

Halogen Free Flame Retardant non-toxic smoke house wires for building wiring.

POLYCAB ZHFR Wires are recommended especially in a situation where high degree of safety of personnel and equipment are obligatory – like Hotels, Theatres, Hospitals, High-rise buildings, Commercial complexes, Centrally A.C. offices, Residential properties etc.

Owing to its special insulation characteristics the wires continue to provide uninterrupted power supply even during fire – keeping alive fire alarm circuits, exit lights, Lifts & other emergency Circuits.

POLYCAB ZHFR Wires are made to International standards and carry a guarantee that far exceeds the minimum requirements.

FIRE-EFFECT & SMOKE EMISSION COMPARISON TEST



Ordinary PVC Wires

Prone to catch flame, burns with lot of black smoke and toxic gases.



FRLS Wires

Delays fire action, burns slowly with less smoke.



ZHFR Wires

Highly fire-resistant, burns with no flame and negligible non-toxic smoke.

UNIQUE FEATURES OF OUR PROCESS

- On-line wire drawing and annealing.
- High speed extruders (upto 500 metres per minute).
- ZHFR insulated (upto 6 Sq. mm.) for better insulation & electrical properties.
- Automatic on-line critical diameter control.
- Stringent quality control.



POLYCAB 650/1100V

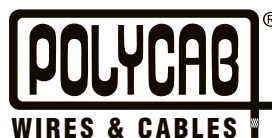
SINGLE CORE, ZHFR INSULATED WIRES IN VOLTAGE GRADE 650/1100 V.

Nominal area of Conductor	Number/Nom. Dia. of wire	Thickness of Insulation (Nom.)	Approx. overall Diameter	Current carrying capacity*	Resistance (Max.) per Km. @ 20°C
Sq. mm.	mm.	mm.	mm.	Amps.	Ohms
1.0	14/3	0.7	2.8	11	18.10
1.5	22/3	0.7	3.1	14	12.10
2.5	36/3	0.8	3.8	19	7.41
4.0	56/3	0.8	4.4	26	4.95
6.0	84/3	0.8	5.2	31	3.30

* As per IS 3961 (PartV)-1968

Standard Colours : Red, Yellow, Blue, Black and Green (for earthing).
Supplied in 90 metre lengths in attractive cartons.

THE ABOVE DATA IS INDICATIVE AND MAY BE REVISED WITHOUT PRIOR INFORMATION
"POLYCAB" WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF INCORRECT APPLICATION



POLYCAB WIRES PVT. LTD.

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QUALITY WITH NO COMPROMISE