



ISO
9001:2000



CM/L-7167980

AVOIDING FIRE CAN BE VERY TOUGH

or this Easy

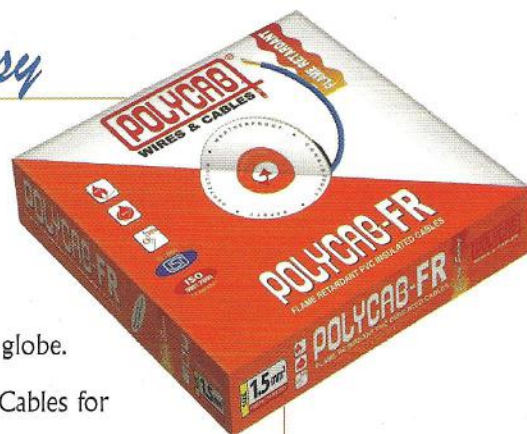
Ordinary Industrial Cables can make your establishment vulnerable to fire. POLYCAB Flame Retardant (FR) Industrial Cables are your safeguard against fire.

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

Use POLYCAB FR Industrial Cables for your peace of mind.

POLYCAB[®]
WIRES & CABLES

Wiring the World



**Polycab
Flame Retardant
Industrial Cables**

POLYCAB FR INDUSTRIAL CABLES

POLYCAB FR : (Flame Retardant) PVC Insulated Industrial Cables

Polycab FR Industrial Cables are drawn from bright electrolyte Copper, annealed, bunched together and insulated with a Flame Retardant (FR) PVC Compound, specially formulated by one of our Group Companies to provide added safety. This FR PVC Compound has high oxygen and temperature index. These properties help in restricting the spread of fire. This special compound also offers high insulation resistance and dielectric strength.

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

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

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.



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IEC-332-1

IEEE 383
IEC 332-3

POLYCAB FR 1.5 SQ MM 1100V IS:694 CM/L-7167980

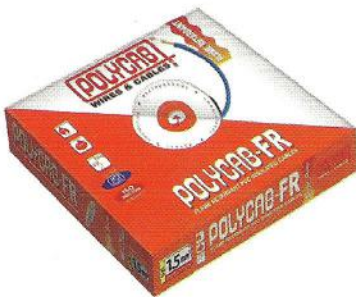
SINGLE CORE, TWIN INSULATED CABLES IN VOLTAGE GRADE 1100 V.

| 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. | No./mm. | mm. | mm. | Amps. | Ohms |
| 0.75 | 24/0.2 | 0.6 | 2.5 | 7 | 26.00 |
| 1.0 | 14/0.3 | 0.7 | 2.65 | 12 | 18.10 |
| 1.5 | 22/0.3 | 0.7 | 2.95 | 16 | 12.10 |
| 2.5 | 36/0.3 | 0.8 | 3.55 | 22 | 7.41 |
| 4.0 | 56/0.3 | 0.8 | 4.0 | 29 | 4.95 |
| 6.0 | 84/0.3 | 0.8 | 4.6 | 37 | 3.30 |
| 10.0 | 80/0.4 | 1.0 | 5.8 | 51 | 1.91 |
| 16.0 | 126/0.4 | 1.0 | 6.8 | 68 | 1.21 |

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-7167980



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.

ARIHANT CABLES

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