

SUPERSTAR Single Core House Wire To IS 694/1990



Technical data

- Single Core House Wire with flexible Copper Conductor for Domestic Installations with FR/FRLS/HR ZHFR Insulations
- **Conductor resistance**
In accordance to Class 5 IS: 8130/84.
- **Conductor resistance factor**
at +20° C – see technical information
- **Admissible working temperature**
- At the conductor
FR/FRLS Grade +70° C
HR/ZHFR Grade +85° C
- **Working voltage upto 1100 V**

Cable structure

- Plain Copper conductor extra fine stranded & bunched in accordance to Class 5 of IS 8130/1984 for higher Flexibility.
These Compound for better insulation resistance and dielectric strength thus making it ideal for conduit wiring.
- Standard coils of Red, Yellow, Blue, Black, & Green (Earthing) in 90 mtrs.
- Marking of brand name, cross-section ISI License No. on each meter.
- Testing of cable carried out as per IS 694/90 at our In House facility.

Application

- PVC Insulated Flexible & Stranded wires are used for connection of low voltage assemblies, house wiring, switchboards etc.
- Single Core Wires are used in Public places, Commercial Complexes & Domestic Wiring.
- Fire Retardant, Fire Retardant Low Smoke, Heat Resistant & Zero Halogen Fire Retardant Insulation are also available for better durability and safety.

Plain Copper Conductor, PVC/FR/FRLS/HR/ZHFR Insulated Single Core House Hold Wire Voltage Grade Upto 1100V

Conductor		Insulation			
Area	No. & Size of Wire	Thickness of Insulation	Overall Parameter Nominal	Current Rating	Conductor Resistance @20° C
SQ.MM	MM	MM	MM	AMPS	Ohms/Km
1.0	14/0.3	0.70	3.00	10	18.10
1.5	22/0.3	0.70	3.30	14	12.10
2.5	36/0.3	0.80	3.80	18	7.410
4.0	56/0.3	0.80	4.50	25	4.610
6.0	85/0.3	0.80	5.30	31	3.080
10.0	141/0.3	1.00	6.70	45	1.830
16.0	226/0.3	1.00	8.00	58	1.150
25.0	354/0.3	1.20	10.0	75	0.724
35.0	495/0.3	1.20	11.3	90	0.524
50.0	703/0.3	1.40	13.0	120	0.387

Safety Requirements

1. Coiled Wire must always be spread out before using to avoid overheating in use.
2. Ensure proper joining of the cable in order to avoid failure and short circuit.
3. Proper care should be taken while installation of the wire to avoid slicing of the insulation.
4. Kindly ensure proper storage of the wire in order to avoid physical damage.
4. Wires with damaged insulation must be replaced immediately.

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