

House Wiring

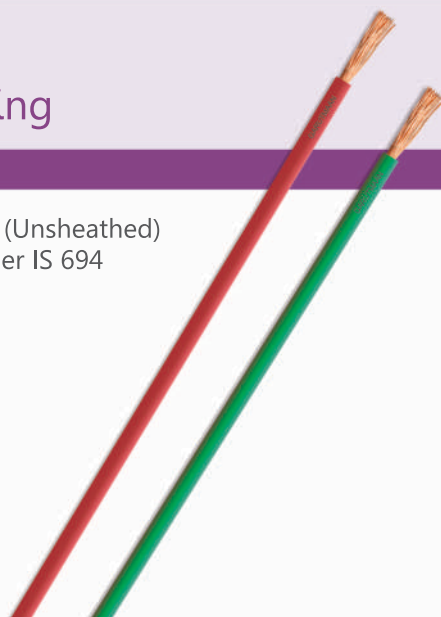


FR PVC Insulated
House Wiring



House Wiring

FR PVC Insulated (Unsheathed)
House Wires as per IS 694



“Garutmaan” PVC insulated (unsheathed) cables for house wiring application are manufactured using high conductivity, electrolytic grade, bright, plain annealed copper conductors. These cables conform to IS 694.

The conductors are insulated with a dual layer of Flame Retardant (FR) grade PVC insulation. The inner layer consists of natural PVC and the outer layer (skin) which provides the colour. These cables have higher Oxygen & Temperature Index as per category FR of IS 694, giving it additional safety. These properties help to retard the spread of fire.

House Wiring is manufactured in sizes ranging from 0.75 to 6.0 mm².

Technical Data :

Type	: House Wiring / Building Wires
Conductor	: Plain Annealed Copper (Class 2/Class 5) as per IS 8130
Insulation	: PVC Type A / Type D, as per IS 5831
Ref. Specifications	: IS 694
Cable Range	: 0.75 mm ² to 6.0 mm ²
Working Voltage	: Up to 1100 V
Application	: The cables are used inside residential & commercial buildings for distribution of electricity.

Normal Packing Length: In 90 m coils
Also in special coils of 180/270 m

Standard Colors : Red, Yellow, Blue, Black & Green

The standard cables are provided with the IS 694 mark and the CE mark. These cables comply with RoHS directive.

FRLS or ZHFR Insulation can be provided if required.

Garutmaan Item Code	Nominal Area of Copper Conductor	Number / Dia. Of strands (Nom.)	Thickness Of Insulation (Nom.)	Overall Diameter (Approx.)	Current Carrying Capacity	Conductor Resistance @20°C (Max.)	Approx. Weight
	mm ²	mm	mm	mm	Amps.	Ω/km	kg/km
HWFRISC0201002	0.75	** 24/0.2	0.6	2.4	8	26.0	12
HWFRISC0101003	1.0	* 14/0.3	0.7	2.7	12	18.1	16
HWFRISC0101004	1.5	* 22/0.3	0.7	3.1	16	12.1	22
HWFRISC0101005	2.5	* 36/0.3	0.8	3.7	20	7.41	34
HWFRISC0201006	4	** 56/0.3	0.8	4.2	27	4.95	48
HWFRISC0201007	6	** 84/0.3	0.8	4.9	35	3.30	69

* As per Conductor class 2 of IS 8130

** As per Conductor class 5 of IS 8130

Note:

The above data is indicative, and may be revised without prior notice, as a part of ongoing development activities and continual improvement efforts. The conductor construction (number of wires & strand diameter) may be revised, but will satisfy the requirements of IS 8130.

Manufactured by :



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