

महाराष्ट्राची शिल्ड

MAHASHIELD FR HSF




**LEAD FREE
MERCURY FREE**

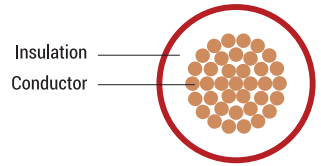
SUPER FLEXIBLE FLAME RETARDANT

RR KABEL

SAHI CHUNO

MAHASHIELD - FR HSF

REACH | RoHS | CE | CPR Compliant



Super Flexible Flame Retardant Single Core Cable

Application

Mahashield FR HSF is highly flexible single core wire with copper conductors engineered for seamless routing through complex conduit layouts powering lighting circuits, switches and electrical outlets, to meet everyday wiring needs with flame-retardant insulation and eco-conscious construction

Technical Data

Approvals: IS 694 marked, FIA/TAC

Voltage Grade: Up to and including 1100 V

Conductor: Fine strands of electrolytic Annealed Plain Copper are multi-drawn for uniformity of resistance, dimension and flexibility.

Insulation: Specially formulated flame retardant PVC insulation with anti rodent and anti termite properties. The FR HSF property retards the propagation of flame without compromising safety.

Insulation Conformity: IS 5831, Type D FR 70°C.

Colours: Red, yellow, blue, black, green, grey & white

Marking: The cables is printed with marking of 'MAHASHIELD - FR HSF'.

Packing: 90 mtr. coil is packed in protective cartons.

Properties

- Excellent flexibility and ease of installation
- Temperature Range: -15° C to +70° C
- Self extinguishing and Flame Retardant
- Anti-Rodent & Anti-Termite
- 100% Electrolytic Grade Pure Copper
- Lead and Mercury Free

Cable Design Parameters

Nominal Cross Sectional Area (Sq. mm)	**Number/ Max. Dia. of Strands	Nominal Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Max. DC Conductor Resistance at 20°C (Ω/km)	*Current Rating (Amps)	
					Casing	Concealed
0.75	24/0.21	0.6	2.3	26.0	9	8
1	32/0.21	0.6	2.6	19.5	12	11
1.5	30/0.26	0.6	2.8	13.3	16	15
2.5	50/0.26	0.7	3.4	7.98	23	19
4	56/0.31	0.8	4.1	4.95	30	26
6	84/0.31	0.8	4.6	3.30	38	33

** As per IS 3961 (Part V)-1968

** As per conductor class 5 of IS 8130

Properties

Test	Test Method	Values
Limited Oxygen Index	IS 10810 P-58	> 29%
Limited Temp. Index	IS 10810 P-64	>250° C



Ram Ratna House, Utopia City, P. B. Marg, Worli, Mumbai - 400 013.

T : +91 - 22 - 6828 6000 • **E**: mumbai.rrkabel@rrglobal.com

Alembic Business Park (W), Ground Floor, Bhailal Amin Marg, Gorwa, Vadodara - 390 003.

T : +91-265-6830 800 • **E**: vadodara.rrkabel@rrglobal.com

R R KABEL LIMITED

Regd. Office : Ram Ratna House, Utopia City, P. B. Marg, Worli, Mumbai - 400 013.

Ahmedabad : 079-4900 0100, **Bengaluru** : 080-4125 0079 / 4090 2221, **Bhubaneswar** : 08596 970 402,
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The technical data mentioned in the book has been derived to have the best product in place. Having known that innovation has always been the base for R R Kabel products, the technical data would vary from time to time. Hence, current details should always be checked with R R Kabel for accuracy.

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

RoHS = Restriction of Hazardous Substances | **CE** = Conformance Européenne

ISI = Indian Standard Institution