

APAR Anushakti | HR FR LSH (Low Smoke Low Halogen)



HEAT RESISTANT FLAME RETARDANT LOW SMOKE LOW HALOGEN · SINGLE CORE WIRES

We've introduced "APAR Anushakti", a groundbreaking wire product utilizing cutting-edge Electron Beam Technology (E-Beam) with a 50% increase in current carrying capacity and higher temperature resistance, positioning it as the safest house wire choice in India; responding to demand, we've also introduced HR FR LSH wires, addressing fire hazards with enhanced fire safety, low smoke emissions, and reduced toxic gas release, prioritizing safety and reliability in electrical installations.



POWERED BY E-BEAM TECHNOLOGY · HR FR-LSH PVC



LOW SMOKE



LOW HALOGEN



HEAT RESISTANCE @105°C



ENERGY SAVING



FLAME RETARDANT



MELT-RESISTANT



SHORT-CIRCUIT RESISTANT



ANTI-TERMITE



50% MORE CURRENT CARRYING CAPACITY



VERY LOW LEAKAGE

TECHNICAL CHARACTERISTICS & STANDARDS

≥ 250°C
TEMPERATURE INDEX

≥ 29%
OXYGEN INDEX

≤ 60%
SMOKE DENSITY (LIGHT ABSORPTION)

≤ 20%
ACID GAS GENERATION

Single Core, unsheathed HR FR-LSH PVC Cables for 1100 V as per IS 694

Current Carrying Capacity
2 Cables, single phase

Nominal Area of Copper Conductor / Class of Conductor Sq.mm	Conductor Construction (No./Dia.mm)	Thickness of Insulation (Nominal) mm	Approx Overall Diameter mm	Conductor Resistance (Max) per km @20°C ohms	In Conduit / Trunking amps	Unenclosed – Clipped directly to surface or on cable tray amps
CLASS 5 – FLEXIBLE CONDUCTOR						
Class 5 - 0.75	24/0.2	0.6	2.20	26.0	11	16
Class 5 - 1	32/0.2	0.6	2.40	19.50	16	24
Class 5 - 1.5	30/0.25	0.7	2.85	13.30	20	32
Class 5 - 2.5	50/0.25	0.8	3.50	7.98	27	44
Class 5 - 4	56/0.3	0.8	4.0	4.95	36	58
Class 5 - 6	84/0.3	0.8	4.50	3.30	47	74
CLASS 2 – STRANDED CONDUCTOR						
Class 2 - 1	7/0.43	0.7	2.70	18.1	17	25
Class 2 - 1.5	7/0.53	0.7	3.00	12.1	21	33
Class 2 - 2.5	7/0.67	0.8	3.60	7.41	29	47
Class 2 - 4	7/0.85	0.8	4.10	4.61	39	61
Class 2 - 6	7/1.04	0.8	4.70	3.08	51	77

CORE

Single Core

INSULATION

HR FR - LSH PVC

LENGTH

90 Mtr & 180 Mtr
(Also available in custom sizes)

COLOUR

Red, Green, Blue, Black, White, Yellow (Also available in custom colours)