

HR FR-LSH PVC SINGLE CORE UNSHEATHED · HEAT RESISTANT, FLAME RETARDANT, LOW SMOKE, LOW HALOGEN & LEAD FREE

"APAR SHAKTI" Single core GREEN wire, made with flexible copper conductor and HR FR-LSH PVC Insulation, find application in low voltage signals, electrical motors, appliances, control panels, transformers, electrical boards, and battery cables, boasting high thermal stability, insulation resistance and fire safety with low smoke and toxic gas emission in case of fire.



FLEXIBLE COPPER · HR FR-LSH PVC INSULATION



MOISTURE RESISTANCE



99.97% PURITY OF COPPER



ROHS COMPLIANT



RODENT PROTECTION



REACH COMPLIANT



ENERGY SAVING



101% CONDUCTIVITY



LOW TOXIC FUMES



HIGH ABRASION RESISTANCE



FLAME RETARDANT

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 Insulated Copper Cable 1100 V as per IS 694

Current Carrying Capacity
2 Cables, Single Phase in Air at 40°C

Nominal Area of Copper Flexible Conductor Sq.mm	Conductor Construction (No./Dia.mm)	Thickness of Insulation (Nominal) mm	Approx Overall Diameter mm	Conductor Resistance (Max) at 20°C ohms	In Conduit / Trunking amps	Unenclosed – directly to surface or on cable tray amps
0.5	16/0.20	0.6	2.2	39.0	5	6
0.75	24/0.20	0.6	2.4	26.0	10	11
1	32/0.20	0.6	2.6	19.5	15	17
1.5	30/0.25	0.6	2.8	13.3	18	22
2.5	50/0.25	0.7	3.4	7.98	24	30
4	56/0.30	0.8	4.1	4.95	33	40
6	84/0.30	0.8	4.7	3.30	42	51
10	80/0.40	1.0	6.0	1.91	-	66
16	126/0.40	1.0	7.2	1.21	-	88
25	196/0.40	1.2	9.0	0.780	-	111
35	276/0.40	1.2	10.2	0.554	-	142
50	396/0.40	1.4	12.3	0.386	-	187
70	360/0.50	1.4	13.8	0.272	-	278