

ZERO HALOGEN FLAME RETARDANT

SBEE manufacturers wide range of ZERO HALOGEN FLAME RETARDANT (ZHFR) wires, these wires are superior & safer alternative to conventional wires which are made of PVC. ZHFR insulated wires are filled with hydrated fillers which release water during fire, which is deterrent for fire & will not propagate. These wires are well suited for environment where smoke mitigation is of particular concern. Such as those with in closed spaces where means of escape is a constraint/restricted (ie specially in hotels, large offices, apartment blocks, off shore installations, trains, metros & ships). SBEE with its strength in quality, process control & knowledge of cable designing are capable of supplying these cables meeting any specification, tailor made to specific customer requirement .

Construction

SINGLE CORE, ZHFR INSULATED COPPER CONDUCTOR (UNSHEATHED) HOUSE WIRES IN VOLTAGE GRADE UPTO INCLUDING 1100 V, CONDUCTOR AS PER IS 694-1990, INSULATION AS PER IS 3961 (PART V)-1968

Nominal Cross Sectional Area	Number / Nom Diameter of conductor strand	Thickness of insulation	Appr. Over all Diameter	Current carrying capacity in conduit/ Trunking	Conductor Resistance (Max) at 20°C
Sq mm	mm	mm	mm	Amps	Ohms/km
0.5	16/0.2	0.6	2.3	6	39.0
0.75	24/0.2	0.6	2.4	8	26.0
1.0	14/0.3	0.7	2.7	13	19.5
1.5	22/0.3	0.7	3.2	16	13.3
2.5	36/0.3	0.8	3.8	20	7.98
4.0	56/0.3	0.8	4.2	26	4.95
6.0	84/0.3	0.8	4.8	36	3.30

Standard specification: is -694-1990

Characteristics: Does not burn, melt & drip to spread fire. Smoke negligible & transparent. Smoke is nontoxic & non corrosive.