

HFFR/LSZH Flexible cable

Applications: Wiring in all installations where fire safety is of utmost importance like schools, theaters, commercial complexes, apartments, high rise buildings, laboratories etc.

Conductor: Thin strands of Electrolytic Copper are multi-drawn for uniformity of Resistance, Dimension and Flexibility. The bunching which enables reduction in overall diameter for space saving high density wiring. The conductor offers perfect contact at pins, terminals and sockets. Thus, eliminating spot heating and sparking.

Insulation: Specially formulated Lead Free, Halogen Free Flame Retardant HFFR or LSZH compound is used. The compound does not burn readily. It does not melt and drip, Smoke is negligible, transparent, non-toxic. The victims trapped in fire do not suffocate and his facilitates fir fighting operations. Unlike PVC, the smoke emitted is non-corrosive.

Insulation conformity: IEC60332-1 & 3, IEC 60754-1 & 2

Marking: The Cables are marked 'NESGEN-RS Firex HFFR'.

Color: Red, Yellow, Blue, Black, Green, Grey.

Properties

Properties	Test Method	Value
Limited Oxygen Index	ASTM - D 2863	> 30%
Limited Temp. Index	ASTM - D 2863	> 250°C
Smoke Density (Light absorption)	ASTM - D 2843	< 10%
Acid Gas Generation	IEC - 60754 - 1	< 5%

Sizes, Dimensions and Ratings

Conductor Area (sq. mm)	Insulation Thickness (mm)	Number *Nomimal Dia. of Strands	Approx Overall Dia. (mm)	DC Conductor Resistance (/Km) at 20C (max)
1	0.7	19/0.26	2.6	18.1
1.5	0.7	19/0.32	3.0	12.1
2.5	0.7	37/0.29	3.6	7.41
4	0.7	37/0.37	4.2	4.61