

Protective Layer -

On specific requirement of additional safety, glass fibre tape is wound spirally covering complete length of the laidup.

Remove Watermark Now

Inner Sheath -

Low Smoke Zero Halogen (LSOH) compound is used to inner sheath the laid up cores. This provides the additional protection of generation of non-toxic fumes in case of fire.

Armour-

This inner sheath is then armoured with GI strips or round wire depending on the size of outer diameter of the inner sheath.

Outer Sheath -

Low Smoke Zero Halogen (LSOH) compound is used to outer sheath over the armour. This provides the required protection of generation of non-toxic fumes in case of fire.

Typical Applications -

All high rise buildings, hospitals multiplexes and commercial complexes where there is a large congregation of people are to be provided with safe escape routes. In these installations POLYCAB FS wires and cables need to be installed for lighting of staircases, other emergency lighting, functioning of exhaust fans and fire alarm systems.

FS Cables for High Rise Buildings

Polycab-1100 V, Twin and multicore, Stranded copper conductor, lapped with two layers of glass mica tapes. XLPE insulated, Cross linked LSOH innersheath, GS round wire armoured, overall cross linked LSOH sheathed fire survival cable generally conforming to IS: 7098 Pt(1) and tested as per IEC 60331

2 Core

Nominal area of conductor	Nominal insulation thickness	Minimum inner sheath thickness	Nominal dia of armour wire	Minimum outer sheath thickness	Approximate overall dia of cable	Max. dc resistance of conductor at 200C	Current rating at 40°C ambient temperature
mm ²	mm	mm	mm	mm	mm	ohms/km	Amps
1.5	0.7	0.3	1.4	1.24	14.5	12.1	27
2.5	0.7	0.3	1.4	1.24	15.0	7.41	36
4	0.7	0.3	1.4	1.24	16.5	4.61	48
6	0.7	0.3	1.4	1.24	17.5	3.08	61
10	0.7	0.3	1.4	1.24	19.5	1.83	83
16	0.7	0.3	1.4	1.40	19.0	1.15	108
25	0.9	0.3	4 X 0.80	1.40	20.5	0.727	140
35	0.9	0.3	4 X 0.80	1.40	22.0	0.524	172
50	1.0	0.3	4 X 0.80	1.40	24.0	0.387	208