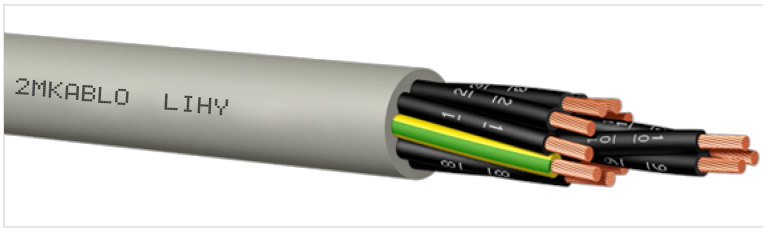
LIHY



Areas of Use

Used in signal transmission of control systems for many applications in buildings. Depending on the applications need, PVC,HFFR or TPU outer sheathed, bare or tinned copper, screened or unscreened types are available. gasses during fire. Have low smoke density and they do not emit poisonous and corrosive HFFR versions are less flammable in case of fire, mostly self extinguishing, These cables are operated with 300/500 V and with the cross-section of 0.34 mm² to 2.50 mm² and produced from 2 cores to 44 cores.

Cable Construction

Conductor	Stranded Annealed Copper (IEC/EN 60228, Class 5)
Insulation	HFFR (EN 50290-2-26)
Core Colors	Upon Customer Request
Lay-up	Cores are stranded in layers
Outer Sheath	PVC (EN 50290-2-22, EN 50363-4-1), RAL 7001 - Grey
Reference Standards	Based on VDE 0812

Technical Properties

Operating Voltage	300 V / 500 V
Test Voltage	2 kV
Temperature Range	Fixed: -30 °C .....+70 °C, Flexible: -5 °C .....+70 °C
Flame Retardancy	IEC 60332-1-2
Min. Bending Radius (Fixed)	8 x Cable Diameter

Cross Section

Configuration / Cross-Section (mm/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
2x0.5	4.4	9	207
4x0.5	5.2	17	57
5x0.5	5.7	22	57
7x0.5	6.3	30	71
9x0.5	7.6	39	98
10x0.5	8.3	43	196
14x0.5	9.1	61	195
16x0.5	9.7	70	164
20x0.5	10.8	87	198
25x0.5	12.3	109	251
2x0.75	5.0	13	35
3x0.75	5.3	20	46
4x0.75	5.8	26	57

5x0.75	6.5	33	76
7x0.75	7.2	46	95
9x0.75	8.6	59	130
10x0.75	9.4	65	141
14x0.75	10.4	91	196
16x0.75	11.1	104	222
18x0.75	11.7	117	244
20x0.75	12.5	130	271
25x0.75	13.9	16.3	333
2x1	5.4	17	43
3x1	5.6	26	54
4x1	6.2	35	70
5x1	6.9	43	92
7x1	7.7	61	116
9x1	9.1	78	158
10x1	10.0	87	171
14x1	11.1	122	237
16x1	11.8	139	269
16.1x1	11.8	139	269
18x1	12.5	156	296
20x1	13.2	174	329
25x1	14.8	217	404
2x1.5	6.4	26	61
3x1.5	6.8	39	81
4X1.5	7.6	52	104
5X1.5	8.4	65	137
7X1.5	9.3	91	171
9X1.5	11.1	117	235
10X1.5	12.3	130	259
14X1.5	13.5	182	352
16X1.5	14.3	208	398
20X1.5	15.9	260	479
25X1.5	17.9	325	596
2X2.5	7.5	43	89
3X2.5	7.9	65	117
4X2.5	8.9	87	154
5X2.5	9.8	108	201

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