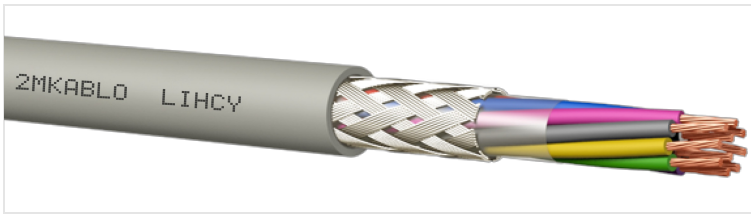
LIHCY



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
Separator	PET Foil
Screen	Tinned Copper Wire Braid
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/EN 60332-1-2
Min. Bending Radius (Fixed)	10 x Cable Diameter

Cross Section

Configuration / Cross-Section (mm/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
2X0.5	5.0	16	38
3X0.5	5.2	21	46
5X0.5	6.3	32	71
6X0.5	6.9	37	84
7X0.5	6.9	42	87
8X0.5	7.5	47	103
9X0.5	8.1	58	127
10X0.5	8.9	58	127
12X0.5	9.1	67	143
14X0.5	9.6	77	167
16X0.5	10.1	87	185

18X0.5	10.7	96	203
20X0.5	11.4	107	225
25X0.5	12.7	130	278
2X0.75	5.6	22	48
3X0.75	5.8	29	58
4X0.75	6.4	36	72
5X0.75	7.0	64	92
6X0.75	7.7	52	108
7X0.75	7.7	58	113
8X0.75	8.4	66	134
9X0.75	9.1	74	151
10X0.75	10.0	82	165
12X0.75	10.4	96	190
14X0.75	10.9	110	218
16X0.75	11.5	124	246
16X0.75	11.5	124	246
16X0.75	11.5	124	246
18X0.75	12.3	138	273
18X0.75	12.3	138	273
20X0.75	12.9	152	298
25X0.75	14.4	188	367
2X1	5.8	27	54
3X1	6.2	36	68
4X1	6.8	46	86
5X1	7.5	56	110
6X1	8.2	66	129
7X1	8.2	74	135
8X1	8.9	84	160
9X1	9.7	94	184
10X1	10.6	105	197
12X1	10.9	123	223
14X1	11.5	141	261
16X1	12.3	160	298
18X1	12.9	179	323
20X1	13.7	197	357
25X1	15.3	244	441
2X1.5	7.0	37	77
3X1.5	7.3	51	95
4X1.5	8.1	65	123
5X1.5	9.0	80	158
6X1.5	9.8	95	185
8X1.5	10.7	122	231
9X1.5	11.6	137	259
10X1.5	12.8	152	285
12X1.5	13.3	179	330
14X1.5	13.9	206	381

16X1.5	14.7	233	429
18X1.5	15.6	295	525
20X1.5	16.6	295	525
25X1.5	18.5	364	647
2X2.5	8.1	56	108
3X2.5	8.5	79	137
4X2.5	9.3	102	173
5X2.5	10.4	126	226
6X2.5	11.4	150	265
7X2.5	11.4	171	282
8X2.5	12.5	195	337
9X2.5	13.6	218	378
10X2.5	14.8	242	410
12X2.5	15.4	287	476
14X2.5	16.3	337	563
16X2.5	17.3	383	634
18X2.5	18.3	428	694
20X2.5	19.4	484	779

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