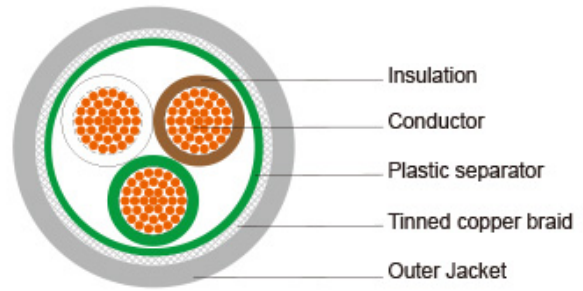


German Standard Industrial Cables LIHCH



Application and Description

LIHCH is for use in flexible or stationary applications under low mechanical stress with free movement without any tensile stress, loads or forced movements in dry, moist and wet conditions. Commonly used as connecting cable for signal, measuring, control, call-announcing and two-way intercom systems, clock installations, electronic weighing machines and electrical apparatus for office use. The halogenfree thermoplastic jacket is flame retardant and will give off no corrosive or toxic gases in the case of fire. Commonly installed in public buildings, laboratories, trading and transportation centers. The tinned copper braid shield offers interference-free signal and data transfers. Not permitted for outdoor use.

Standard and Approval

VDE 0482 part 267, VDE 0812, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

Cable Construction

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, IEC 60228 cl.5
- Halogen free core insulation
- Color coded to DIN 47100, but without color repetition
- Plastic foil separator
- 85% tinned copper braid
- Halogen free outer jacket

Technical Characteristics

- Working voltage: 350 volts
- Test voltage: 1200 volts
- Minimum bending radius: 5 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -40° C to +70° C
- Flame retardant: IEC 60332.1-2
- Mutual Capacitance:
Conductor./conductor: 120 nF/km
Conductor./shield: 160 nF/km
- Halogen free: DIN EN 50267/IEC 60754
- Smoke density: DIN EN50268/IEC 61034
- Insulation resistance: 20 MΩ x km

Cable Parameter

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
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26(18/38)	2x0.14	3.9	8	21
26(18/38)	3x0.14	4.2	11	26
26(18/38)	4x0.14	4.5	12.5	28
26(18/38)	5x0.14	4.8	13.5	33
26(18/38)	6x0.14	5.1	15.5	37
26(18/38)	7x0.14	5.1	17	40
26(18/38)	8x0.14	5.5	19.5	46
26(18/38)	9x0.14	5.9	23	50
26(18/38)	10x0.14	6	26	55
26(18/38)	12x0.14	6.3	30	64
26(18/38)	16x0.14	7.4	40	84
26(18/38)	20x0.14	8.2	46	98
26(18/38)	25x0.14	8.6	55	125
24(14/34)	2x0.25	4.3	12	29
24(14/34)	3x0.25	4.5	14.7	30
24(14/34)	4x0.25	4.9	17	38
24(14/34)	5x0.25	5.3	21.2	43
24(14/34)	6x0.25	5.7	23.5	48
24(14/34)	7x0.25	5.7	27.5	51
24(14/34)	8x0.25	6.5	29.8	58
24(14/34)	9x0.25	7	34.9	64
24(14/34)	10x0.25	7.2	39.5	70
24(14/34)	12x0.25	7.4	46	83
24(14/34)	16x0.25	8.1	55.3	102
24(14/34)	20x0.25	9	66.1	121
24(14/34)	25x0.25	10.1	81	145
22(7/30)	2 X 0.34	4.9	16	31
22(7/30)	3 X 0.34	5.1	19	37
22(7/30)	4 X 0.34	5.5	25	48
22(7/30)	5 X 0.34	6.2	30	58
22(7/30)	6 X 0.34	6.5	34	67
22(7/30)	7 X 0.34	6.9	37	76
22(7/30)	8 X 0.34	7.6	46	95
22(7/30)	10 X 0.34	8.9	62	110
22(7/30)	12 X 0.34	9.1	68	123
22(7/30)	14 X 0.34	9.4	82	140
22(7/30)	16 X 0.34	9.9	95	156
22(7/30)	18 X 0.34	10.4	107	171

22(7/30)	21 X 0.34	11.3	122	195
22(7/30)	25 X 0.34	12.5	141	226
22(7/30)	30 X 0.34	13.1	162	260
22(7/30)	34 X 0.34	13.9	177	284
22(7/30)	40 X 0.34	14.8	202	329
20(16/32)	2 X 0.5	5.2	22	37
20(16/32)	3 X 0.5	5.5	30	46
20(16/32)	4 X 0.5	6.1	34	57
20(16/32)	5 X 0.5	6.9	52	77
20(16/32)	6 X 0.5	7.1	60	85
20(16/32)	7 X 0.5	7.3	65	92
20(16/32)	8 X 0.5	8.3	76	113
20(16/32)	10 X 0.5	9.4	88	135
20(16/32)	12 X 0.5	9.7	98	147
20(16/32)	18 X 0.5	11.1	141	210
20(16/32)	21 X 0.5	12.2	161	241
20(16/32)	25 X 0.5	13.5	186	284
20(16/32)	30 X 0.5	14.5	223	339
20(16/32)	40 X 0.5	16.5	293	443
18(24/32)	2 X 0.75	5.9	31	45
18(24/32)	3 X 0.75	6.3	37	60
18(24/32)	4 X 0.75	7.1	58	80
18(24/32)	5 X 0.75	7.6	68	97
18(24/32)	7 X 0.75	8.5	88	126
18(24/32)	10 X 0.75	10.5	122	174
18(24/32)	12 X 0.75	11.2	137	195
17(32/32)	2 X 1.0	6.5	43	71
17(32/32)	3 X 1.0	7.0	57	89
17(32/32)	4 X 1.0	7.5	68	109
17(32/32)	5 X 1.0	8.2	79	126
17(32/32)	7 X 1.0	8.8	118	171
16(30/30)	2 X 1.5	7.7	58	91
16(30/30)	3 X 1.5	8.1	74	115
16(30/30)	4 X 1.5	8.7	107	153
16(30/30)	5 X 1.5	9.5	129	176
16(30/30)	7 X 1.5	10.7	164	220