

LiHH Halogen-Free Data Cable



LiHH is a VDE approved, flexible, halogen-free multi-conductor European data transmission cable. 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 halogen-free 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. Not permitted for outdoor use.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- 22 AWG (0,34mm²) has a 7-wire strand
- Halogen-free core insulation
- Color code DIN47100 - without color repetition
- Halogen-free jacket - gray (RAL 7001/7032)

Technical:

- Working voltage: 350 volts
- Test voltage: 1200 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -40° C to +70° C
- Flame retardant: IEC 60332.1-2
- Insulation resistance: 20 MΩ x km

Approvals:

- VDE-0812 & 0482 Part 267
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0,14mm²				
5102602	2	0.130" / 3.3mm	1	9
5102603	3	0.138" / 3.5mm	2	11
5102604	4	0.146" / 3.7mm	3	13
5102605	5	0.161" / 4.1mm	4	15
5102606	6	0.165" / 4.2mm	5	17
5102607	7	0.173" / 4.4mm	6	18
5102608	8	0.189" / 4.8mm	7	20
5102610	10	0.217" / 5.5mm	9	25
5102612	12	0.236" / 6.0mm	11	30
5102615	15	0.256" / 6.5mm	13	38
5102618	18	0.276" / 7.0mm	15	44
5102621	21	0.307" / 7.8mm	18	51
5102625	25	0.327" / 8.3mm	22	59
5102630	30	0.346" / 8.8mm	26	66
5102634	34	0.362" / 9.2mm	30	74
5102640	40	0.409" / 10.4mm	36	93
5102650	50	0.492" / 12.5mm	43	110
24 AWG (14/34) 0,25mm²				
5102402	2	0.142" / 3.6mm	3	12
5102403	3	0.150" / 3.8mm	5	14
5102404	4	0.161" / 4.1mm	7	17
5102405	5	0.177" / 4.5mm	8	21
5102406	6	0.189" / 4.8mm	9	25
5102407	7	0.197" / 5.0mm	11	29
5102408	8	0.208" / 5.3mm	13	34
5102410	10	0.248" / 6.3mm	16	38
5102412	12	0.256" / 6.5mm	19	43
5102415	15	0.287" / 7.3mm	24	54
5102418	18	0.311" / 7.9mm	29	60
5102421	21	0.339" / 8.6mm	34	70
5102425	25	0.362" / 9.2mm	40	81
5102434	34	0.425" / 10.8mm	54	113
5102440	40	0.449" / 11.4mm	64	131
22 AWG (7/30) 0,34mm²				
5102202	2	0.169" / 4.3mm	4	17
5102203	3	0.177" / 4.5mm	7	20
5102204	4	0.189" / 4.8mm	9	23

Sizes continued on next page.

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LiHH Sizes Continued. (22 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
22 AWG (7/30) 0,34mm2 Cont.				
5102205	5	0.209" / 5.3mm	11	29
5102207	7	0.236" / 6.0mm	15	39
5102208	8	0.263" / 6.7mm	18	49
5102210	10	0.303" / 7.7mm	21	54
5102212	12	0.315" / 8.0mm	26	61
5102215	15	0.346" / 8.8mm	33	77
5102218	18	0.378" / 9.6mm	40	91
5102221	21	0.409" / 10.4mm	46	103
5102225	25	0.449" / 11.4mm	54	121
5102234	34	0.504" / 12.8mm	74	156
5102240	40	0.539" / 13.7mm	87	182
20 AWG (16/32) 0,50mm2				
5102002	2	0.177" / 4.5mm	7	20
5102003	3	0.189" / 4.8mm	9	24
5102004	4	0.205" / 5.2mm	13	29
5102005	5	0.236" / 6.0mm	16	38
5102007	7	0.252" / 6.4mm	22	47
5102010	10	0.327" / 8.3mm	32	68
5102012	12	0.339" / 8.6mm	38	78
5102015	15	0.374" / 9.5mm	48	97
5102018	18	0.413" / 10.5mm	58	115
5102021	21	0.445" / 11.3mm	68	132
5102025	25	0.488" / 12.4mm	80	154
5102030	30	0.516" / 13.1mm	95	180
5102034	34	0.543" / 13.8mm	109	202
5102040	40	0.598" / 15.2mm	129	245
18 AWG (24/32) 0,75mm2				
5101802	2	0.205" / 5.2mm	9	27
5101803	3	0.217" / 5.5mm	14	34
5101804	4	0.240" / 6.1mm	19	41
5101805	5	0.264" / 6.7mm	24	51
5101807	7	0.287" / 7.3mm	34	65
5101810	10	0.374" / 9.5mm	48	92
5101812	12	0.402" / 10.2mm	58	112
17 AWG (32/32) 1,00mm2				
5101702	2	0.228" / 5.8mm	13	34
5101703	3	0.240" / 6.1mm	19	38
5101704	4	0.260" / 6.6mm	25	45
5101705	5	0.295" / 7.5mm	32	55
16 AWG (30/30) 1,50mm2				
5101602	2	0.276" / 7.0mm	19	40
5101603	3	0.291" / 7.4mm	29	48
5101604	4	0.315" / 8.0mm	38	58

* Additional sizes may be available.