

## LiHCH Shielded Halogen-Free Cable



**LiHCH** is a VDE approved, flexible, overall shielded, 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. The tinned copper braid shield offers interference-free signal and data transfers. 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
- Plastic foil separator
- 85% tinned copper braid
- Halogen-free jacket - gray (RAL 7001/7032)

### Technical:

- Working voltage: 350 volts
- Test voltage: 1200 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 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
<b>26 AWG (18/38) 0,14mm2</b>				
5112602	2	0.150" / 3.8mm	8	14
5112603	3	0.157" / 4.0mm	9	17
5112604	4	0.165" / 4.2mm	11	18
5112605	5	0.181" / 4.6mm	13	21
5112606	6	0.192" / 4.9mm	15	23
5112607	7	0.201" / 5.1mm	16	26
5112608	8	0.236" / 6.0mm	17	30
5112610	10	0.252" / 6.4mm	19	36
5112612	12	0.268" / 6.8mm	21	46
5112614	14	0.276" / 7.0mm	25	51
5112616	16	0.283" / 7.2mm	29	55
5112618	18	0.303" / 7.7mm	34	60
5112621	21	0.327" / 8.3mm	42	68
5112625	25	0.370" / 9.4mm	51	81
5112630	30	0.390" / 9.9mm	62	98
5112634	34	0.409" / 10.4mm	74	112
5112640	40	0.433" / 11.0mm	85	114
<b>24 AWG (14/34) 0,25mm2</b>				
5112402	2	0.173" / 4.4mm	10	15
5112403	3	0.177" / 4.5mm	11	19
5112404	4	0.181" / 4.6mm	13	23
5112405	5	0.205" / 5.2mm	16	28
5112406	6	0.213" / 5.4mm	18	30
5112407	7	0.220" / 5.6mm	21	33
5112408	8	0.251" / 6.4mm	23	44
5112410	10	0.283" / 7.2mm	28	51
5112412	12	0.291" / 7.4mm	32	59
5112414	14	0.311" / 7.9mm	35	67
5112416	16	0.335" / 8.5mm	39	76
5112418	18	0.354" / 9.0mm	52	85
5112421	21	0.374" / 9.5mm	63	97
5112425	25	0.406" / 10.3mm	78	110
5112430	30	0.433" / 11.0mm	89	128
5112434	34	0.461" / 11.7mm	97	144
5112440	40	0.492" / 12.5mm	109	164

Sizes continued on next page.

## LiHCH Shielded Halogen-Free Cable



### LiHCH Sizes Continued. (22 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>22 AWG (7/30) 0,34mm<sup>2</sup></b>				
5112202	2	0.193" / 4.9mm	11	21
5112203	3	0.201" / 5.1mm	13	25
5112204	4	0.217" / 5.5mm	17	32
5112205	5	0.244" / 6.2mm	20	39
5112206	6	0.256" / 6.5mm	23	45
5112207	7	0.272" / 6.9mm	25	51
5112208	8	0.299" / 7.6mm	31	64
5112210	10	0.350" / 8.9mm	42	74
5112212	12	0.358" / 9.1mm	46	83
5112214	14	0.370" / 9.4mm	55	94
5112216	16	0.390" / 9.9mm	64	105
5112218	18	0.409" / 10.4mm	72	115
5112221	21	0.445" / 11.3mm	82	131
5112225	25	0.492" / 12.5mm	95	152
5112230	30	0.516" / 13.1mm	109	175
5112234	34	0.547" / 13.9mm	119	191
5112240	40	0.583" / 14.8mm	136	221
<b>20 AWG (16/32) 0,50mm<sup>2</sup></b>				
5112002	2	0.205" / 5.2mm	15	25
5112003	3	0.217" / 5.5mm	20	31
5112004	4	0.240" / 6.1mm	23	38
5112005	5	0.272" / 6.9mm	35	52
5112006	6	0.279" / 7.1mm	40	57
5112007	7	0.287" / 7.3mm	44	62
5112008	8	0.328" / 8.3mm	51	76
5112010	10	0.370" / 9.4mm	59	91
5112012	12	0.382" / 9.7mm	66	99
5112018	18	0.437" / 11.1mm	95	141
5112021	21	0.480" / 12.2mm	108	162
5112025	25	0.531" / 13.5mm	125	191
5112030	30	0.571" / 14.5mm	150	228
5112040	40	0.650" / 16.5mm	197	298
<b>18 AWG (24/32) 0,75mm<sup>2</sup></b>				
5111802	2	0.232" / 5.9mm	21	30
5111803	3	0.248" / 6.3mm	25	40
5111804	4	0.280" / 7.1mm	39	54
5111805	5	0.299" / 7.6mm	46	65
5111807	7	0.335" / 8.5mm	59	85
5111810	10	0.413" / 10.5mm	82	117
5111812	12	0.441" / 11.2mm	92	131
<b>17 AWG (32/32) 1,00mm<sup>2</sup></b>				
5111702	2	0.256" / 6.5mm	29	48
5111703	3	0.276" / 7.0mm	38	60
5111704	4	0.295" / 7.5mm	46	73
5111705	5	0.323" / 8.2mm	53	85
5111707	7	0.346" / 8.8mm	79	115
<b>16 AWG (30/30) 1,50mm<sup>2</sup></b>				
5111602	2	0.303" / 7.7mm	39	61
5111603	3	0.319" / 8.1mm	50	77
5111604	4	0.343" / 8.7mm	72	103
5111605	5	0.374" / 9.5mm	87	118
5111607	7	0.421" / 10.7mm	110	148

\* Additional sizes may be available.