

LiHCH-TP Shielded Halogen-Free



LiHCH-TP is a VDE approved, flexible, overall shielded, halogen-free multi-pair 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 twisted pair design will reduce internal interference (crosstalk) while the tinned copper braid shield offers added protection and 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 - with color repetition
- Cores twisted in layered pairs
- 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: 6 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	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0,14mm²				
5122602	2	0.213" / 5.4mm	15	25
5122603	3	0.244" / 6.2mm	17	32
5122604	4	0.287" / 7.3mm	26	44
5122605	5	0.311" / 7.9mm	30	51
5122606	6	0.323" / 8.2mm	34	55
5122607	7	0.343" / 8.7mm	36	63
5122608	8	0.370" / 9.4mm	40	72
5122610	10	0.390" / 9.9mm	46	80
5122612	12	0.421" / 10.7mm	52	91
5122615	15	0.445" / 11.3mm	53	105
5122618	18	0.492" / 12.5mm	66	127
5122620	20	0.516" / 13.1mm	81	137
5122625	25	0.543" / 13.8mm	90	160
24 AWG (14/34) 0,25mm²				
5122402	2	0.232" / 5.9mm	18	30
5122403	3	0.276" / 7.0mm	28	44
5122404	4	0.315" / 8.0mm	36	54
5122405	5	0.339" / 8.6mm	40	66
5122406	6	0.358" / 9.1mm	43	78
5122407	7	0.370" / 9.4mm	48	80
5122408	8	0.413" / 10.5mm	54	89
5122410	10	0.429" / 10.9mm	62	103
5122412	12	0.472" / 12.0mm	72	117
5122415	15	0.508" / 12.9mm	83	187
5122418	18	0.539" / 13.7mm	93	243
22 AWG (7/30) 0,34mm²				
5122202	2	0.287" / 7.3mm	29	51
5122203	3	0.339" / 8.6mm	37	72
5122204	4	0.378" / 9.6mm	43	90
5122205	5	0.398" / 10.1mm	50	101
5122206	6	0.417" / 10.6mm	57	99
5122207	7	0.433" / 11.0mm	64	103
5122210	10	0.516" / 13.1mm	80	140

Sizes continued on next page.

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LiHCH-TP Sizes Continued. (22 AWG and Larger)

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
22 AWG (19/34) 0,34mm² Cont.				
5122212	12	0.567" / 14.4mm	93	164
5122215	15	0.598" / 15.2mm	109	187
5122218	18	0.665" / 16.9mm	139	243
20 AWG (16/32) 0,50mm²				
5122002	2	0.299" / 7.6mm	34	51
5122003	3	0.354" / 9.0mm	43	72
5122004	4	0.406" / 10.3mm	52	90
5122005	5	0.425" / 10.8mm	64	101
5122006	6	0.449" / 11.4mm	72	118
5122007	7	0.465" / 11.8mm	78	124
5122010	10	0.563" / 14.3mm	106	184
5122012	12	0.630" / 16.0mm	119	221
5122015	15	0.673" / 17.1mm	158	255
5122018	18	0.720" / 18.3mm	178	302
18 AWG (24/32) 0,75mm²				
5121802	2	0.354" / 9.0mm	44	70
5121803	3	0.398" / 10.1mm	54	92
5121804	4	0.453" / 11.5mm	72	111
5121805	5	0.488" / 12.4mm	85	134
5121806	6	0.528" / 13.4mm	93	158
5121807	7	0.575" / 14.6mm	103	171
5121810	10	0.618" / 15.7mm	148	243
5121812	12	0.720" / 18.3mm	178	291
5121815	15	0.760" / 19.3mm	219	335
5121818	18	0.811" / 20.6mm	251	389
17 AWG (32/32) 1,00mm²				
5121702	2	0.409" / 10.4mm	56	95
5121703	3	0.425" / 10.8mm	64	116
5121704	4	0.453" / 11.5mm	81	142
5121705	5	0.472" / 12.0mm	108	178

* Additional sizes may be available.