

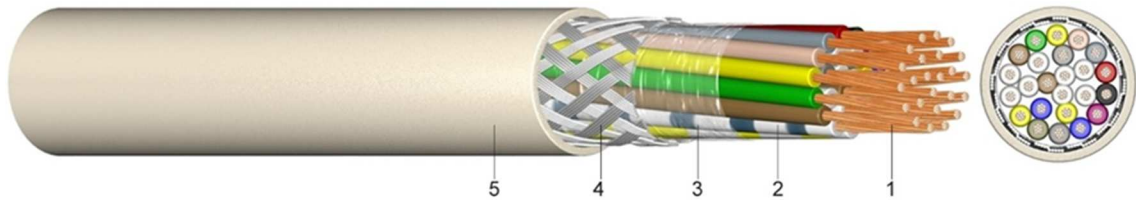
LiHCH TP C_{ca} – s1,d2,a1

Data transmission cable, 250V
Screened, halogen-free, twisted pairs
EN 50575

Application

Halogen-free and environmentally data transmission cable, control and connecting cable predominantly for transmission of analog and digital signals in process controlled facilities in measurement and control technology, in fire vulnerable areas and facilities with high concentration of people and property values, for lossless transmission of data and signals. For fixed laying and flexible applications with undefined cable routing and without tensile stress. Suitable for use in dry and humid rooms. Outdoor use only with UV-protection, no laying underground.

Construction



- | | |
|------------------|---------------------------------------------------------------------------------------------------------------------|
| 1. Conductor: | Copper conductor, bare, flexible (class 5) |
| 2. Insulation: | Halogen-free compound
Core identification as per DIN 47100
2 cores twisted to a pair, pairs twisted in layers |
| 3. Separator: | Plastic tape (optional) |
| 4. Screen: | Tinned copper wire braid |
| 5. Outer sheath: | Halogen-free compound, grey (other color on request) |

Technical information

Rated voltage		250 V
Operating temperature	occasional flexing fixed installation	-5 °C till +70 °C -30 °C till +80 °C
Min. bending radius mm	occasional flexing fixed installation	15 x D 7,5 x D
D = outer diameter in mm		
Reaction to fire		EN 50399 C _{ca} – s1, d2, a1

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N° of cores and cross section mm ²	Outer diameter approx. mm	Copper index approx. kg/km	Weight approx. kg/km
2 x 2 x 0,14	5,5	24,6	39
3 x 2 x 0,14	5,8	28,5	48
4 x 2 x 0,14	6,0	33,5	54
6 x 2 x 0,14	7,3	48,5	85
8 x 2 x 0,14	7,9	53,7	97
10 x 2 x 0,14	8,7	59,0	110
12 x 2 x 0,14	9,2	69,5	142
16 x 2 x 0,14	10,6	79,0	154
20 x 2 x 0,14	11,3	97,0	184
25 x 2 x 0,14	12,8	113,0	238
30 x 2 x 0,14	13,4	140,0	270
2 x 2 x 0,25	6,6	30,3	54
3 x 2 x 0,25	6,9	39,6	66
4 x 2 x 0,25	7,3	44,9	81
6 x 2 x 0,25	8,7	69,5	115
8 x 2 x 0,25	9,7	82,5	130
10 x 2 x 0,25	11,0	102,0	158
12 x 2 x 0,25	11,6	120,0	190
16 x 2 x 0,25	12,9	146,5	238
24 x 2 x 0,25	15,7	226,0	298
2 x 2 x 0,34	7,4	36,9	65
3 x 2 x 0,34	7,7	49,2	79
4 x 2 x 0,34	8,2	55,2	90
6 x 2 x 0,34	10,4	74,2	130
7 x 2 x 0,34	10,4	79,5	145
8 x 2 x 0,34	11,3	88,4	150
12 x 2 x 0,34	13,5	123,0	220
2 x 2 x 0,5	8,4	48,1	93
3 x 2 x 0,5	8,7	73,7	129
4 x 2 x 0,5	9,2	82,0	146
6 x 2 x 0,5	11,4	110,0	198
8 x 2 x 0,5	12,6	147,0	259
12 x 2 x 0,5	15,1	198,3	354
16 x 2 x 0,5	16,9	245,5	459
24 x 2 x 0,5	20,5	394,0	570
2 x 2 x 0,75	9,3	64,6	106
3 x 2 x 0,75	9,7	84,0	140
4 x 2 x 0,75	10,4	108,0	179
5 x 2 x 0,75	11,4	126,0	215
6 x 2 x 0,75	13,5	146,0	246
8 x 2 x 0,75	14,3	180,0	305
12 x 2 x 0,75	17,0	261,0	456
16 x 2 x 0,75	19,1	336,0	492

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N° of cores and cross section mm	Outer diameter approx. mm	Copper index approx. kg/km	Weight approx. kg/km
2 x 2 x 1,0	10,3	84,0	142
3 x 2 x 1,0	10,4	96,0	173
4 x 2 x 1,0	11,1	121,0	212
5 x 2 x 1,0	12,2	161,0	266
8 x 2 x 1,0	15,4	240,0	400
10 x 2 x 1,0	16,6	282,0	510
12 x 2 x 1,0	18,2	324,0	590
2 x 2 x 1,5	12,4	112,0	165
3 x 2 x 1,5	13,0	140,0	218
4 x 2 x 1,5	13,3	176,0	265
5 x 2 x 1,5	15,5	212,0	310
8 x 2 x 1,5	18,8	322,0	642
10 x 2 x 1,5	20,2	380,0	870
12 x 2 x 1,5	22,2	442,0	939

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.