

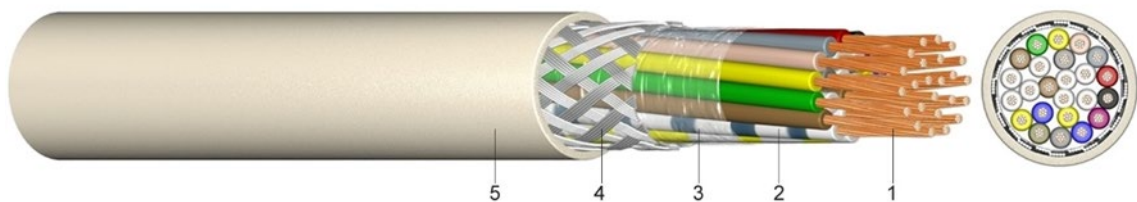
LIHCH TP C_{ca}

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

Application

Zero halogen, screened data transmission cable with improved fire characteristics. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment. 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 or green (other color on request) |

Technical information

Rated voltage		250 V
Operating temperature	occasional flexing	-5 °C till +70 °C
	fixed installation	-30 °C till +80 °C
Min. bending radius mm	occasional flexing	15 x D
	fixed installation	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 size mm ²	Outer diameter approx. mm	Copper index approx. kg/km	Cable 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
1 x 2 x 0,5	5,6	28,0	47
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
20 x 2 x 0,5	18,2	298,0	525
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 size 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.