Kabel und Leitungen · fils et câbles · kabels en draden · cables and wires

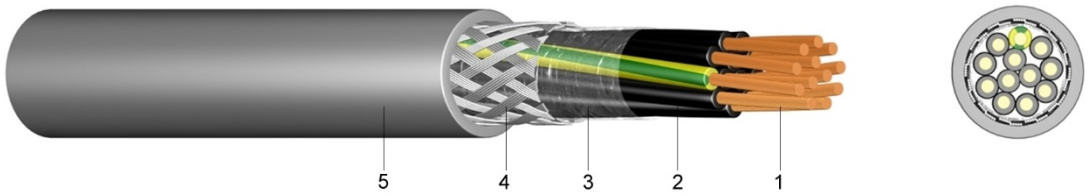
HSLCH (LiHCH)

Measurement and control cable, 300/500 V
+70 °C service temperature, collective screen, low smoke, zero halogen, fire retardant
EN 50575

Application

Collectively screened, zero halogen control cable with improved fire characteristics for various applications. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment. For fixed installation or flexible applications indoors, with free movement without forced motion and without tensile stress.

Construction



1.	Conductor:	Copper conductor, bare, flexible (class 5)	
2.	Insulation:	Zero halogen compound	
	Core identification:	-JZ: numbered, with green/yellow core	-OZ: numbered, without green/yellow core
		-JB: coloured, with green/yellow core	-OB: coloured, without green/yellow core
3.	Separator:	Plastic tape (optional)	
4.	Screen:	Copper wire braid, tinned	
5.	Outer sheath:	Zero halogen compound, grey or green	

Technical information

Rated voltage	U_0/U	300/500 V
Test voltage		2 kV
Max. permissible temperature at conductor		70 °C
Min. operating temperature	fixed installation	-40 °C
	occasional flexing	-5 °C
Min. temperature during installation		-5 °C
Min. bending radius mm	fixed installation	6 x outer diameter in mm
	occasional flexing	12 x outer diameter in mm
Safety parameters		
Reaction to fire		EN 50399 D_{ca}
	on request	EN 50399 C_{ca} – s1, d2, a1
	on request	EN 50399 $B2_{ca}$ – s1, d1, a1
Flame spread	single cable	IEC 60332-1-2
	bunched cables	IEC 60332-3-24
Zero halogen		IEC 60754-1 /-2
Smoke density		IEC 61034-1/ -2

Issue 29.05.2019

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N° of cores and cross section mm²	Outer diameter approx. mm	Copper index approx. kg/km	Weight approx. kg/km
2 x 0,5	5,8	36,0	46
3 G 0,5	6,1	43,0	56
4 G 0,5	6,5	49,0	62
5 G 0,5	7,0	57,0	75
7 G 0,5	7,5	69,0	98
12 G 0,5	9,9	104,0	158
18 G 0,5	11,5	141,0	216
25 G 0,5	13,4	211,0	315
34 G 0,5	15,5	287,0	390
2 x 0,75	6,2	43,0	60
3 G 0,75	6,5	52,0	68
4 G 0,75	7,0	61,0	78
5 G 0,75	7,7	72,0	95
7 G 0,75	8,3	89,0	130
12 G 0,75	10,9	138,0	203
18 G 0,75	12,7	211,0	290
25 G 0,75	14,8	280,0	413
2 x 1	6,5	51,0	66
3 G 1	6,8	62,0	80
4 G 1	7,3	74,0	100
5 G 1	8,1	88,0	130
7 G 1	8,8	112,0	160
12 G 1	11,5	185,0	260
18 G 1	13,9	268,0	382
25 G 1	15,9	354,0	540
2 x 1,5	7,1	65,0	88
3 G 1,5	7,5	82,0	100
4 G 1,5	8,2	100,0	125
5 G 1,5	8,9	119,0	158
7 G 1,5	9,9	154,0	210
12 G 1,5	13,0	268,0	340
18 G 1,5	15,6	373,0	480
25 G 1,5	17,9	530,0	702
2 x 2,5	8,3	96,0	132
3 G 2,5	8,9	118,0	168
4 G 2,5	9,9	147,0	195
5 G 2,5	11,0	176,0	222
7 G 2,5	11,9	253,0	345
12 G 2,5	16,0	385,0	572

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N° of cores and cross section mm²	Outer diameter approx. mm	Copper index approx. kg/km	Weight approx. kg/km
3 G 4	10,5	178,0	238
4 G 4	11,6	248,0	305
5 G 4	12,9	269,0	388
7 G 4	14,4	371,0	504
3 G 6	12,7	240,0	328
4 G 6	14,2	343,0	416
5 G 6	15,5	441,0	510
7 G 6	17,0	510,0	670
3 G 10	15,6	350,0	495
4 G 10	17,2	535,0	785
5 G 10	19,5	592,0	855
7 G 10	21,4	820,0	1.308
4 G 16	20,2	800,0	882
5 G 16	22,6	1.050,0	1.293
7 G 16	24,8	1.470,0	2.149
4 G 25	24,9	1.075,0	1.911
5 G 25	27,8	1.446,0	2.414
4 G 35	27,8	1.690,0	2.542
5 G 35	31,5	1.930,0	3.180
4 G 50	39,2	2.315,0	3.550
5 G 50	43,4	2.694,0	4.753
4 G 70	45,3	3.020,0	4.939
5 G 70	49,6	3.696,0	6.572
4 G 95	52,4	4.013,0	6.690
5 G 95	57,5	5.016,0	8.370
4 G 120	56,0	5.067,0	8.453

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

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