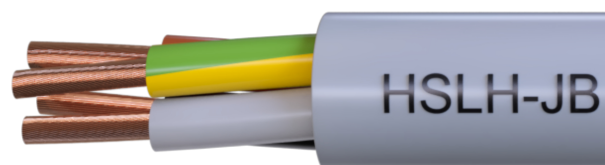


HSLH 300/500 V

Halogen-Free Control Cable with improved fire behaviour



Application

For installations in dry, humid and wet locations, but not outdoors. These cables are used for fix or for flexible applications - but not with high tensile load or for forced bending. Halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive

Construction

Conductor material	Copper: Class 5 fine stranded according to EN 60228
Insulation	Halogen-free Cross-linkable polyethylene (XLPE)
Outer sheath	Halogen free flame retardand compound (HFFR), Grey

Standards and Certifications

DIN EN 50399 ; DIN EN 60754-2 ; DIN EN 61034-2 ; DIN EN 60332-1-2

Core Identification

JZ: One core green/yellow, other cores are black with figures

OZ: Every core is black with figures

JB: Colours accordance with HD 308 standard with green yellow

OB: Colours accordance with HD 308 standard without green yellow

Fire classification CPR class

Reaction to fire EN 50575 - Dca

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Technical Data

Nominal voltage U ₀ /U	[V]	300 / 500 V
Test voltage	[V]AC	2000
Temperature range	in motion °C	-5°C till +70°C
	fixed °C	-30°C till +70°C
Operating temperature	short circuit °C	150°C
Short circuit time	max. [sec]	5
Bending radius	in motion x diameter	15

Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
2 x 0.5	4.9	40	39
2 x 0.75	5.2	47	26
2 x 1	5.7	55	19.5
2 x 1.5	6.3	72	13.3
2 x 2.5	7.7	110	7.98
2 x 4	9.2	145	4.95
2 x 6	11.2	203	3.3
2 x 10	14.2	346	1.91
2 x 16	17	511	1.21
2 x 25	20.6	763	0.780
3 x 0.5	5.2	50	39
3 x 0.75	5.5	56	26
3 x 1	6	67	19.5
3 x 1.5	6.7	88	13.3
3 x 2.5	8.2	137	7.98
3 x 4	9.7	180	4.95
3 x 6	12	285	3.3
3 x 10	15	410	1.91

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
3 x 16	18.4	865	1.21
3 x 25	22.4	980	0.780
3 x 35	25	1304	0.554
4 x 0.75	6.2	69	26
4 x 1	6.7	83	19.5
4 x 1.5	7.3	110	13.3
4 x 2.5	9.1	174	7.98
4 x 4	10.9	267	4.95
4 x 6	13.1	388	3.3
4 x 10	16.6	616	1.91
4 x 16	20.6	908	1.21
4 x 25	25.1	1620	0.780
4 x 35	28.7	1810	0.554
4 x 50	35.2	2520	0.386
4 x 70	41.3	3565	0.272
5 x 0.75*	6.9	83	26
5 x 1	7.4	100	19.5
5 x 1.5	8.2	135	13.3
5 x 2.5	10	217	7.98
5 x 4	12.2	331	4.95
5 x 6	14.6	480	3.3
5 x 10	18.5	766	1.91
5 x 16	22.8	1134	1.21
5 x 25	27.9	1625	0.780
5 x 35	32	2225	0.554
5 x 50	38.7	3195	0.386
5 x 70	46.1	4320	0.272
6 x 1.5	9.1	160	13.3
6 x 2.5	11.1	276	7.98
7 x 0.75*	7.5	104	26

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
7 x 1*	8.2	130	19.5
7 x 1.5*	9.1	170	13.3
7 x 2.5	11.1	306	7.98
7 x 4	13.5	432	4.95
7 x 6	16.4	514	3.3
7 x 10	20.4	1020	1.91
7 x 16	25	1356	1.21
7 x 25	30.9	2043	0.780
8 x 2.5	12.4	309	7.98
9 x 2.5	14	348	7.98
10 x 2.5	14	379	7.98
11 x 2.5	14.6	402	7.98
12 x 0.75*	9.9	172	26
12 x 1*	11.1	212	19.5
12 x 1.5*	12.1	289	13.3
12 x 2.5*	15	467	7.98
12 x 4	17.6	637	4.95
18 x 1.5*	14.5	433	13.3
25 x 1.5*	17.2	596	13.3
34 x 1.5*	20	786	13.3

All cables **without** the „* ” mark are Dca rated

All cables **with** the „* ” mark will be CPR rated on request.

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