

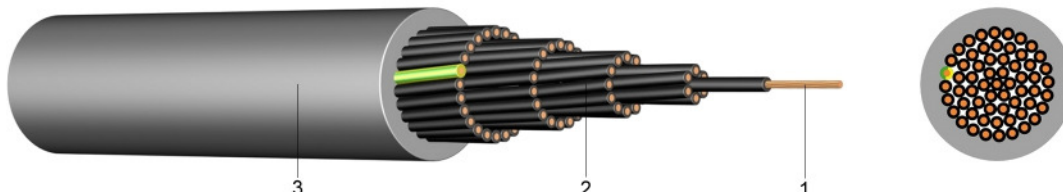
Datasheet HSLH FRNC

Version 1/2009

Halogen-Free Control Cable with Improved Fire Behaviour - FRNC

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.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of halogen-free, cross-linked polyolefin copolymer
- 3 outer sheath of halogen-free, cross-linked polyolefin copolymer, grey

According to:

adapted to DIN EN 50266-2-4
 adapted to DIN EN 50267-2-2
 adapted to DIN EN 50268-2
 DIN EN 60228 class 5 (construction)
 core identification JZ: 1 core green/yellow, other cores black with figures
 core identification OZ: every core black with figures

Technical data:

Nominal voltage U ₀ /U		[V]	300 / 500 Volt
Test voltage		[V] _{AC}	2000
Temperature range	in motion		-15°C till +70°C
Operating temperature	short circuit	°C	150
Short circuit time	max.	[sec]	5
Bending radius	in motion	x diameter	15
Flammability	standard		EN 50266-2-4 EN 60332-1 IEC 60332-3 Kat.C

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 0,75	15,0	24 x 0,21	5,4	47
3 x 0,75	22,5	24 x 0,21	5,7	56
4 x 0,75	30,0	24 x 0,21	6,2	69
5 x 0,75	37,5	24 x 0,21	6,8	83
7 x 0,75	52,5	24 x 0,21	7,4	104
12 x 0,75	90,0	24 x 0,21	9,9	172
25 x 0,75	187,5	24 x 0,21	14,4	352
2 x 1	20,0	32 x 0,21	5,7	55
3 x 1	30,0	32 x 0,21	6,0	67
4 x 1	40,0	32 x 0,21	6,6	83
5 x 1	50,0	32 x 0,21	7,2	100
7 x 1	70,0	32 x 0,21	8,0	130
12 x 1	120,0	32 x 0,21	10,6	212
18 x 1	180,0	32 x 0,21	12,7	314
25 x 1	250,0	32 x 0,21	15,3	429

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Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 1,5	30,0	30 x 0,26	6,3	72
3 x 1,5	45,0	30 x 0,26	6,7	88
4 x 1,5	60,0	30 x 0,26	7,3	110
5 x 1,5	75,0	30 x 0,26	8,1	135
7 x 1,5	105,0	30 x 0,26	8,9	174
12 x 1,5	180,0	30 x 0,26	12,0	289
18 x 1,5	270,0	30 x 0,26	14,4	433
25 x 1,5	375,0	30 x 0,26	17,4	596
34 x 1,5	510,0	30 x 0,26	19,6	786
2 x 2,5	50,0	50 x 0,26	7,6	110
3 x 2,5	75,0	50 x 0,26	8,1	137
4 x 2,5	100,0	50 x 0,26	8,9	174
5 x 2,5	125,0	50 x 0,26	10,0	217
12 x 2,5	300,0	50 x 0,26	14,9	467
4 x 4	160,0	56 x 0,31	10,8	267
5 x 4	200,0	56 x 0,31	12,1	331
4 x 6	240,0	84 x 0,31	13,0	388
5 x 6	300,0	84 x 0,31	14,5	480
5 x 10	500,0	80 x 0,41	18,1	766