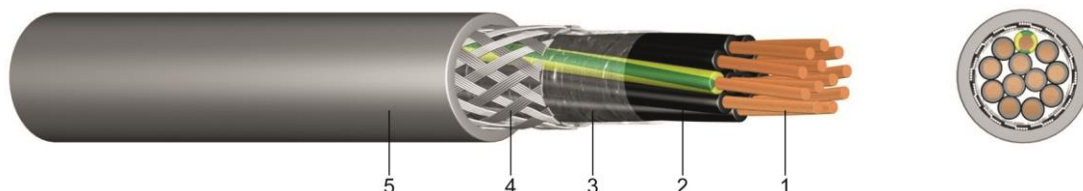




HSLCH FRNC Halogen-Free Control Cable with EMV-Optimised Braided Screen and Improved Fire Behaviour - FRNC

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 and for forced bending. Suitable as a signal and impulse cable in the control, measuring and signal technology. The copper braiding optimises protection against external interferences, like electromagnetic fields and stray frequencies.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of halogen-free, cross-linked polyolefin copolymere
- 3 wrapped in a plastic foil
- 4 screen of tinned copper wire braiding
- 5 outer sheath of halogen-free, cross-linked polyolefin copolymere, grey

Standards:

- DIN EN 60754-2
- DIN EN 61034-2
- 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	-5°C till +70°C
	fixed	-30°C till +70°C
Operating temperature	short circuit	150°C
Short circuit time	max.	5 [sec]
Bending radius	in motion	15 x diameter
Flammability	standard	EN 50266-2-4 EN 60332-1 IEC 60332-3 Kat.C

Number of cores and nominal cross section mm ²	from stock	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
	J	O				
2 x 0,75		●	41	24 x 0,21	6,2	55
3 x 0,75	●	○	51	24 x 0,21	6,5	70
4 x 0,75	●	○	61	24 x 0,21	7,0	87
5 x 0,75	●	○	72	24 x 0,21	7,7	106
7 x 0,75	●	○	89	24 x 0,21	8,3	129
12 x 0,75	●	○	138	24 x 0,21	10,9	211
18 x 0,75	●	○	211	24 x 0,21	12,7	307
25 x 0,75	●	○	280	24 x 0,21	15,0	413
34 x 0,75		○	333	24 x 0,21	17,3	523
2 x 1		●	51	32 x 0,21	6,5	79
3 x 1	●	●	62	32 x 0,21	6,8	88
4 x 1	●		74	32 x 0,21	7,4	106



Number of cores and nominal cross section mm ²	from stock	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
	J	O				
5 x 1	●		88	32 x 0,21	8,1	124
7 x 1	●		112	32 x 0,21	8,8	155
12 x 1	●		185	32 x 0,21	12,3	232
18 x 1	●		268	32 x 0,21	14,7	332
25 x 1	●		357	32 x 0,21	16,0	460
2 x 1,5		●	65	30 x 0,26	7,1	91
3 x 1,5	●	●	82	30 x 0,26	7,5	112
4 x 1,5	●	○	100	30 x 0,26	8,5	141
5 x 1,5	●	○	119	30 x 0,26	8,9	161
7 x 1,5	●	●	154	30 x 0,26	9,9	206
12 x 1,5	●	●	268	30 x 0,26	14,7	323
18 x 1,5	●	●	373	30 x 0,26	15,5	517
25 x 1,5	●	●	530	30 x 0,26	18,1	705
3 x 2,5	●	○	118	50 x 0,26	9,0	157
4 x 2,5	○		147	50 x 0,26	9,9	201
5 x 2,5	●	○	176	50 x 0,26	11,0	248
7 x 2,5	●	○	253	50 x 0,26	13,9	306
12 x 2,5	○		368	50 x 0,26	15,9	499
4 x 4	●		248	51 x 0,30	11,7	291
5 x 4	○		244	51 x 0,30	12,8	364
4 x 6	○		343	76 x 0,30	13,9	437
7 x 6	○		531	76 x 0,30	18,2	700
4 x 10	●		598	77 x 0,40	17,4	685
5 x 10	●		620	77 x 0,40	19,5	824
4 x 16	○		843	119 x 0,40	20,6	972
4 x 25	○		1.223	182 x 0,40	25,3	1.443