HSLCH

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

Construction

Fine-stranded bare copper wires acc. to VDE 0295 class 5, there is a green-yellow core (not in OZ - types), all the other cores are black with consecutive white numbers, screen of tinned copper wire braiding, core insulation and outer sheath are of halogen-free polyolefin-copolymer with improved fire behaviour, sheath colour is light grey.

Application

For installations in dry, damp 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 electro-magnetic fields and stray frequencies.

Temperature range

During laying	- 25°C till + 70°C
After laying	- 40°C till + 80°C
Admissible conductor temperature	+ 90°C

Number of cores and nominal cross section mm²	Price EUR / km	Copper figure kg / km	Wire construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
HSLCH 300/500 V					
2 x 0,75	1.769,10	43	24 x 0,21	6,7	53
3 x 0,75	2.064,70	52	24 x 0,21	7,0	63
4 x 0,75	2.552,60	61	24 x 0,21	7,5	77
5 x 0,75	3.111,10	72	24 x 0,21	8,1	94
7 x 0,75	4.202,50	89	24 x 0,21	8,7	116
12 x 0,75	6.474,50	138	24 x 0,21	11,4	187
18 x 0,75	8.941,80	211	24 x 0,21	13,3	285
25 x 0,75	12.736,10	280	24 x 0,21	16,0	397
2 x 1	**1.904,10**	51	32 x 0,21	7,1	62
3 x 1	2.460,00	62	32 x 0,21	7,4	74
4 x 1	2.970,90	74	32 x 0,21	8,0	91
5 x 1	3.945,80	88	32 x 0,21	8,7	111
7 x 1	4.728,50	112	32 x 0,21	9,3	140
12 x 1	7.331,60	185	32 x 0,21	12,3	232
18 x 1	10.712,40	268	32 x 0,21	14,7	332
25 x 1	15.032,80	354	32 x 0,21	17,7	464
2 x 1,5	2.597,60	65	30 x 0,26	8,0	84
3 x 1,5	**3.038,00**	82	30 x 0,26	8,4	102
4 x 1,5	3.852,30	100	30 x 0,26	9,1	125
5 x 1,5	**4.583,00**	119	30 x 0,26	9,9	154
7 x 1,5	7.103,70	154	30 x 0,26	11,1	193
12 x 1,5	9.844,70	268	30 x 0,26	14,7	323
18 x 1,5	14.229,10	373	30 x 0,26	17,3	479
25 x 1,5	20.222,10	530	30 x 0,26	21,0	678
2 x 2,5	3.910,90	92	48 x 0,26	9,7	123
3 x 2,5	**4.550,10**	118	48 x 0,26	10,2	151
4 x 2,5	5.727,20	147	48 x 0,26	11,1	188
5 x 2,5	**6.569,10**	176	48 x 0,26	12,1	234
7 x 2,5	8.671,30	253	48 x 0,26	13,9	306