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INSTALLATION AND HARMONISED CABLES AND WIRES

HSLH

FRNC control cable, halogen-free, unscreened

As flexible control and connecting cable for fixed laying and flexible applications without tensile stress and/or without guided movements. For the protection of human life and valuable equipment.

TECHNICAL DATA

Standard
Based on EN 50525-3-11

Test Voltage
2000 V / 50 Hz

Rated Voltage
300/500 V (Uo/U)

Bending radius (min.)
Fixed installation: 4 x Ø of cable
Flexible use: 15 x Ø of cable

Fire properties
EN 60332-1-2: self-extinguishing and flame retardant
EN 60332-3-24 (Category C): reduced flame propagation EN 60754-1, EN 60754-2: halogen-free; non-corrosive combustion gases
EN 61034-2, IEC 61034: smoke density

Core identification
Black (continuously numbered), from 3 cores with green/yellow ground conductor

Temperature range
Fixed installation: -40°C up to 70°C
Flexible use: -5°C up to 70°C

DESIGN



1. Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
2. Core insulation of special halogen-free, flame retardant compound (FRNC)
3. Cores are stranded in layers with optimal lay-length
4. Outer sheath of special halogen-free, flame retardant compound (FRNC), colour: grey (RAL 7001)

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 0.75	5.7	14.4	53
3 G 0.75	6.0	21.6	63
4 G 0.75	6.5	29	77
5 G 0.75	7.1	36	94
7 G 0.75	7.5	50	116
12 G 0.75	10.2	86	187
18 G 0.75	11.9	130	285
25 G 0.75	13.9	180	397
2 x 1	6.1	19.2	62
3 G 1	6.4	29	74
4 G 1	7.0	38.4	91
5 G 1	7.6	48	111
7 G 1	8.1	67	140
12 G 1	11.1	115	232
18 G 1	13.4	173	332
25 G 1	15.4	240	464
2 x 1.5	6.9	29	84
3 G 1.5	7.3	43	102
4 G 1.5	7.9	58	125
5 G 1.5	8.9	72	154
7 G 1.5	9.8	101	193
12 G 1.5	13.2	173	323
18 G 1.5	15.9	259	479
25 G 1.5	18.5	360	678
34 G 1.5	22.0	490	922
2 x 2.5	8.5	48	123
3 G 2.5	9.0	72	151
4 G 2.5	10.0	96	188
5 G 2.5	11.0	120	234
7 G 2.5	12.7	168	306
12 G 2.5	16.0	288	508
4 G 4	12.8	154	301
5 G 4	14.0	192	355
4 G 6	14.6	230	380
5 G 6	16.4	288	490
5 G 10	22.4	480	840

Technical changes reserved. All figures are therefore without guarantee.



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