We Make Modern Life Possible.

HALOGEN-FREE CONTROL AND ELECTRONIC CABLES

HSLH-JZ or HSLH-OZ



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, especially when excellent EMC behavior is requested.

TECHNICAL DATA

Test Voltage
2 kV

Rated Voltage
300/500 V (Uo/U)

Bending radius (min.)
4 x Ø of cable (fixed installed)
15 x Ø of cable (free motion)

Fire properties
EN 60332-1-2: flame retardant and self-extinguishing
EN 60754-1 and 2: halogen-free; non-corrosive combustion gases
EN 61034-2: low smoke emission
EN 60332-3-22 and 24: reduced flame propagation
CPR classification: Eca

Core identification
black with number printing, with one core green/yellow (JZ), without (OZ)

Temperature range
Laying temperature: min. -5°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 150°C
Fixed installation: -40°C up to 70°C

DESIGN



1. Copper conductor, fine wire
2. Core insulation (FRNC), cores stranded in layers
3. Sheath (FRNC grey RAL 7001, oil resistant)

Number of cores x nominal cross-section (mm^2)	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 0,75	26.0	5.2	40
3 x 0,75	26.0	5.5	48
4 x 0,75	26.0	6.0	59
5 x 0,75	26.0	6.5	70
7 x 0,75	26.0	7.3	94
12 x 0,75	26.0	9.7	153
18 x 0,75	26.0	11.5	221
25 x 0,75	26.0	13.7	297
2 x 1	19.5	5.6	47
3 x 1	19.5	5.9	58
4 x 1	19.5	6.5	71
5 x 1	19.5	7.3	88
7 x 1	19.5	7.9	113
12 x 1	19.5	10.5	185
18 x 1	19.5	12.5	268
25 x 1	19.5	14.9	384
2 x 1,5	13.3	6.0	58
3 x 1,5	13.3	6.4	72
4 x 1,5	13.3	7.2	93
5 x 1,5	13.3	7.8	111
7 x 1,5	13.3	8.5	144
12 x 1,5	13.3	11.6	243
18 x 1,5	13.3	13.5	346
25 x 1,5	13.3	16.2	467
34 x 1,5	13.3	22.0	922
2 x 2,5	7.98	7.1	85
3 x 2,5	7.98	7.5	108
4 x 2,5	7.98	8.3	135
5 x 2,5	7.98	9.0	162
7 x 2,5	7.98	10.1	219
12 x 2,5	7.98	13.4	361
4 x 4	4.95	10.3	209
5 x 4	4.95	11.3	252
4 x 6	3.3	11.9	298
5 x 6	3.3	13.1	360
5 x 10	1.91	17.4	623

Technical changes reserved. All figures are therefore without guarantee.



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