

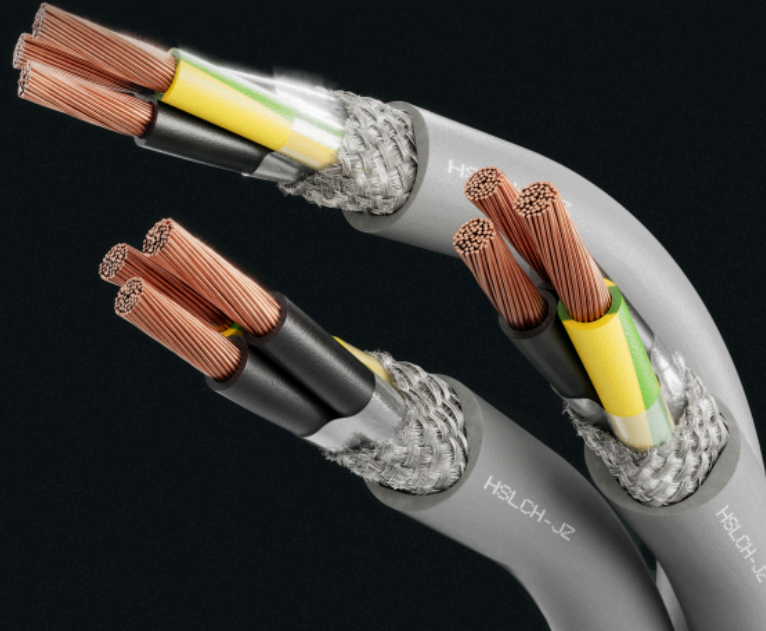


# HSLCH-JZ or HSLCH-OZ

FRNC Control cable, halogen-free, screened

HALOGEN-FREE INSTALLATION CABLES

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



## TECHNICAL DATA



**Test Voltage**  
2 kV



**Rated Voltage**  
300/500 V (U<sub>0</sub>/U)



**Bending radius (min.)**  
4 x  $\phi$  of cable (fixed installed)  
15 x  $\phi$  of cable (free motion)



**Fire properties**  
EN 60332-1-2: flame retardant  
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



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

## DESIGN



- 1 Copper conductor, fine wire
- 2 Core insulation (FRNC), cores stranded in layers
- 3 Inner covering (halogen-free plastic tape)
- 4 Screen (braided screen, tinned copper wires)
- 5 Sheath (FRNC grey RAL 7001, oil resistant)

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 0,75	26.0	5.8	49
3 x 0,75	26.0	7.0	63
4 x 0,75	26.0	7.2	77
5 x 0,75	26.0	7.5	87
12 x 0,75	26.0	11.4	187
25 x 0,75	26.0	16.0	397
2 x 1	19.5	8.7	130
3 x 1	19.5	6.6	70
4 x 1	19.5	7.2	85
5 x 1	19.5	8.7	111
7 x 1	19.5	8.7	130
12 x 1	19.5	11.3	215
18 x 1	19.5	13.5	315
25 x 1	19.5	17.7	464
2 x 1,5	13.3	6.7	67
3 x 1,5	13.3	7.0	85
4 x 1,5	13.3	7.9	106
5 x 1,5	13.3	8.6	130
7 x 1,5	13.3	9.2	165
18 x 1,5	13.3	14.5	395
25 x 1,5	13.3	21.0	678
2 x 2,5	7.98	9.7	123
3 x 2,5	7.98	8.4	125
4 x 2,5	7.98	11.1	188
5 x 2,5	7.98	10.1	190
7 x 2,5	7.98	11.0	245
12 x 2,5	7.98	18.2	796
3 x 4	4.95	9.9	175
4 x 4	4.95	10.8	220
5 x 4	4.95	11.7	270
3 x 6	3.3	12.5	365
4 x 10	1.91	16.3	523
4 x 16	1.15	19.2	769

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