

## HSLH-JZ or -OZ

Control cable, halogen-free, unscreened

### DESIGN



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

### APPLICATION

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



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



**Test voltage:**  
2 kV / 50 Hz



**Temperature range:**  
 laying temperature: min. -5 °C  
 fixed: -40 °C up to 70 °C  
 moved: -5 °C up to 70 °C  
 conductor temperature: max. 70 °C  
 short circuit temperature: max. 150 °C/5 s



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



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



**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  
 CPR classification: E<sub>ca</sub>

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
<b>HSLH-JZ or -OZ</b>				
2 x 0.75	26	5.2	40	500 D, 1000 D
3 x 0.75	26	5.5	48	500 D, 1000 D
4 x 0.75	26	6.0	59	500 D, 1000 D
5 x 0.75	26	6.5	70	500 D, 1000 D
7 x 0.75	26	7.3	94	500 D, 1000 D
12 x 0.75	26	9.7	153	500 D, 1000 D
18 x 0.75	26	11.5	221	500 D, 1000 D
25 x 0.75	26	13.7	297	500 D, 1000 D
2 x 1	19.5	5.6	47	500 D, 1000 D
3 x 1	19.5	5.9	58	500 D, 1000 D
4 x 1	19.5	6.5	71	500 D, 1000 D
5 x 1	19.5	7.3	88	500 D, 1000 D
7 x 1	19.5	7.9	113	500 D, 1000 D
12 x 1	19.5	10.5	185	500 D, 1000 D
18 x 1	19.5	12.5	268	500 D, 1000 D
25 x 1	19.5	14.9	384	500 D, 1000 D
2 x 1.5	13.3	6.0	58	500 D, 1000 D
3 x 1.5	13.3	6.4	72	500 D, 1000 D

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<b>HSLH-JZ or -OZ</b>				
4 x 1.5	13.3	7.2	93	500 D, 1000 D
5 x 1.5	13.3	7.8	111	500 D, 1000 D
7 x 1.5	13.3	8.5	144	500 D, 1000 D
12 x 1.5	13.3	11.6	243	500 D, 1000 D
18 x 1.5	13.3	13.5	346	500 D, 1000 D
25 x 1.5	13.3	16.2	467	500 D, 1000 D
34 x 1.5	13.3	22.0	922	500 D, 1000 D
2 x 2.5	13.3	7.1	85	500 D, 1000 D
3 x 2.5	7.98	7.5	108	500 D, 1000 D
4 x 2.5	7.98	8.3	135	500 D, 1000 D
5 x 2.5	7.98	9.0	162	500 D, 1000 D
7 x 2.5	7.98	10.1	219	500 D, 1000 D
12 x 2.5	7.98	13.4	361	500 D, 1000 D
4 x 4	4.95	10.3	209	500 D, 1000 D
5 x 4	4.95	11.3	252	500 D, 1000 D
4 x 6	3.3	11.9	298	500 D, 1000 D
5 x 6	3.3	13.1	360	500 D, 1000 D
5 x 10	1.91	17.4	623	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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