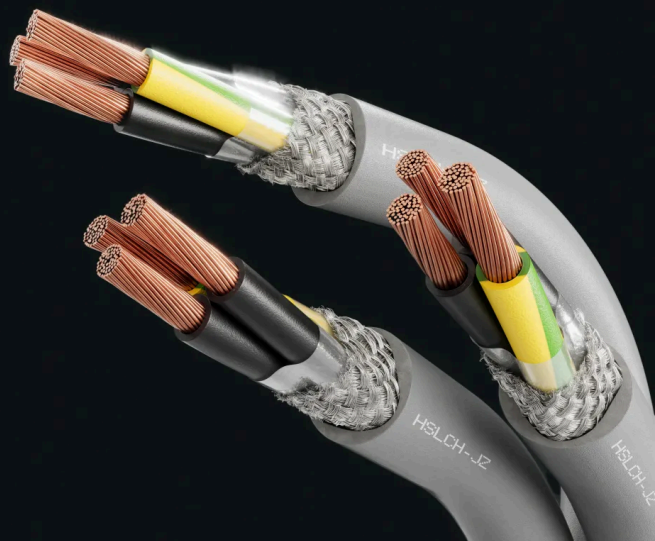


INSTALLATION AND HARMONISED CABLES AND WIRES

HSLCH

FRNC Control cable, halogen-free, screened



TECHNICAL DATA



Test Voltage
2 kV



Rated Voltage
300/500 V (Uo/U)



Bending radius (min.)
4 x ϕ of cable (fixed installed)
15 x ϕ 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)



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

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 ²)	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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