

HELUCONTROL® JZ-520-HMH LSOH GREY

CPR: B2ca, flexible control cable, halogen-free, extremely fire resistant



HELUCONTROL® JZ-520-HMH LSOH GREY

Technical data

- halogen-free flexible control cable acc. to DIN VDE 0482-575 / DIN EN 50575
- **Temperature range**
flexing -15°C to +70°C
fixed installation -40°C to +70°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage**
2000 V
- **Minimum bending radius**
flexing 12,5x cable Ø
fixed 4x cable Ø
- **CPR**
B2ca s1a d0 a1

Cable structure

- bare copper-conductor acc. to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- core insulation: halogen-free polymer compound type T17 acc. to DIN VDE 0207-363-7 / DIN EN 50363-7
- core identification: black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- cores stranded in layers with optimal lay-length
- outer sheath: halogen-free polymer compound type M1 acc. to DIN VDE 0207-363-0 / DIN EN 50363-0
- outer sheath colour: grey (RAL 7001)
- with meter marking

Properties

- the materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- reaction to fire acc. to DIN EN 50399 / DIN VDE 0482-399
- flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- flame test on bunched wires acc. to DIN VDE 0482-322-3-24 / DIN EN 60332-3-24 / IEC 60332-3-24 & DIN VDE 0482-322-3-22 / DIN EN 60332-3-22 / IEC 60332-3-22
- corrosiveness of combustion gases
- acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2
- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- oil resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404

Note

- CPR: Cca for 2x0.5, 3G0.5, 2x0.75, 3G0.75
- G = with green-yellow conductor
x = without green-yellow conductor (OZ)
- screened analogue type:
HELUCONTROL® JZ-520-HMH-C LSOH GREY

Application

Used as measuring, monitoring and control cable in: machine tooling, conveyor belt systems, production lines, plant installations, air-conditioning systems, foundries and steel mills. For use in fixed and flexible applications with little to medium mechanical stress, occasional free movement and no tensile load stress. The cable is suitable for use in dry, damp and wet locations and on plaster.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11008617	2 x 0,5	4,8	9,6	43
11008618	3 G 0,5	5,1	14,4	50
11008619	3 x 0,5	5,1	14,4	50
11008620	4 G 0,5	5,5	19,2	55
11008621	4 x 0,5	5,5	19,2	55
11008622	5 G 0,5	6,2	24,0	66
11008623	5 x 0,5	6,2	24,0	66
11008624	7 G 0,5	6,7	33,6	81
11008627	12 G 0,5	8,7	57,6	126
11008629	18 G 0,5	10,7	86,4	194
11008631	25 G 0,5	14,3	180,0	345
11008640	2 x 0,75	5,3	14,4	47
11008641	3 G 0,75	5,6	21,6	56
11008642	3 x 0,75	5,6	21,6	56
11008643	4 G 0,75	6,3	28,8	72
11008644	4 x 0,75	6,3	28,8	72
11008645	5 G 0,75	6,9	36,0	86
11008646	5 x 0,75	6,9	36,0	86
11008647	7 G 0,75	7,5	50,4	107
11008648	7 x 0,75	7,5	50,4	107

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11008651	12 G 0,75	9,8	86,4	173
11008653	18 G 0,75	12,2	129,6	266
11008655	25 G 0,75	14,3	180,0	345
11008664	2 x 1	5,6	19,2	55
11008665	3 G 1	5,9	28,8	66
11008666	3 x 1	5,9	28,8	66
11008667	4 G 1	6,6	38,4	83
11008668	4 x 1	6,6	38,4	83
11008669	5 G 1	7,3	48,0	101
11008670	7 G 1	8,1	67,2	130
11008673	12 G 1	10,4	115,0	207
11008675	18 G 1	12,9	172,8	314
11008677	25 G 1	15,4	240,0	423
11008685	2 x 1,5	6,4	28,8	74
11008686	3 G 1,5	6,8	43,2	90
11008687	3 x 1,5	6,8	43,2	90
11008688	4 G 1,5	7,4	57,6	110
11008689	5 G 1,5	8,3	72,0	136
11008690	7 G 1,5	9,2	100,8	175
11008693	12 G 1,5	11,8	172,8	276

Continuation ▶

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Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11008695	18 G 1,5	14,6	259,2	421
11008697	25 G 1,5	17,4	360,0	563
11008703	2 x 2,5	7,8	48,0	114
11008704	3 G 2,5	8,3	72,0	139
11008705	4 G 2,5	9,2	96,0	175
11008706	5 G 2,5	10,1	120,0	212
11008707	7 G 2,5	11,2	168,0	273
11008710	12 G 2,5	14,8	288,0	458
11008716	2 x 4	9,3	76,8	167
11008717	3 G 4	9,8	115,2	204
11008718	4 G 4	10,9	153,6	258
11008719	5 G 4	12,1	192,0	317

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11008720	7 G 4	13,2	268,8	403
11008726	2 x 6	11,0	115,2	240
11008727	3 G 6	11,9	172,8	304
11008728	4 G 6	13,0	230,4	377
11008729	5 G 6	14,5	288,0	468
11008730	7 G 6	16,2	403,2	611
11008731	2 x 10	13,8	192,0	385
11008732	3 G 10	14,9	288,0	488
11008733	4 G 10	16,5	384,0	615
11008734	5 G 10	18,3	480,0	759
11008735	7 G 10	20,2	672,0	978

Dimensions and specifications may be changed without prior notice.

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