

HELUCONTROL® JZ-520-HMH-C LSOH GREY

CPR: B2ca, flexible control cable, halogen-free, extremely fire resistant, Cu-screened, EMC-preferred type



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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
- separating polyester tape
- screen: tinned copper braid, approx. 85% coverage
- 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

- G = with green-yellow conductor
- x = without green-yellow conductor (OZ)
- unscreened analogue type:
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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.

EMC = electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

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

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
11008758	2 x 0,5	5,7	35,0	50
11008759	3 G 0,5	5,9	42,0	60
11008760	3 x 0,5	5,9	42,0	60
11008761	4 G 0,5	6,4	47,0	70
11008762	4 x 0,5	6,4	47,0	70
11008763	5 G 0,5	6,9	56,0	80
11008764	7 G 0,5	7,6	69,0	100
11008765	12 G 0,5	9,7	108,0	160
11008766	18 G 0,5	11,5	145,0	225
11008767	25 G 0,5	13,7	240,0	320
11008768	2 x 0,75	6,1	40,0	60
11008769	3 G 0,75	6,3	52,0	70
11008770	3 x 0,75	6,3	52,0	70
11008771	4 G 0,75	6,8	60,0	80
11008772	4 x 0,75	6,8	60,0	80
11008773	5 G 0,75	7,4	71,0	100
11008774	5 x 0,75	7,4	71,0	100
11008775	7 G 0,75	8,2	91,0	130
11008776	7 x 0,75	8,2	91,0	130
11008777	12 G 0,75	10,5	142,0	210
11008778	18 G 0,75	12,7	212,0	295
11008779	25 G 0,75	15,0	281,0	420
11008780	2 x 1	6,4	50,0	70
11008781	3 G 1	6,7	60,0	80
11008782	3 x 1	6,7	60,0	80
11008783	4 G 1	7,2	71,0	100
11008784	4 x 1	7,2	71,0	100
11008785	5 G 1	8,0	88,0	135
11008786	7 G 1	8,7	111,0	160
11008787	12 G 1	11,4	184,0	260
11008788	18 G 1	13,6	260,0	380

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11008789	25 G 1	16,2	349,0	535
11008790	2 x 1,5	7,0	63,0	90
11008791	3 G 1,5	7,4	80,0	100
11008792	3 x 1,5	7,4	80,0	100
11008793	4 G 1,5	8,1	97,0	125
11008794	5 G 1,5	9,0	119,0	160
11008795	7 G 1,5	9,8	147,0	210
11008796	12 G 1,5	12,8	267,0	340
11008797	18 G 1,5	15,6	374,0	480
11008798	25 G 1,5	18,4	526,0	700
11008799	2 x 2,5	8,4	96,0	135
11008800	3 G 2,5	8,8	144,0	170
11008801	4 G 2,5	9,8	148,0	195
11008802	5 G 2,5	10,8	181,0	230
11008803	7 G 2,5	11,9	255,0	340
11008804	12 G 2,5	15,8	441,0	570
11008805	2 x 4	10,0	120,0	180
11008806	3 G 4	10,6	174,0	240
11008807	4 G 4	11,6	230,0	310
11008808	5 G 4	12,8	273,0	385
11008809	7 G 4	14,2	316,0	510
11008810	2 G 6	11,7	173,0	270
11008811	3 G 6	12,5	240,0	330
11008812	4 G 6	13,8	305,0	420
11008813	5 G 6	15,4	439,0	510
11008814	7 G 6	17,0	505,0	670
11008815	2 x 10	14,4	255,0	420
11008816	3 G 10	15,6	350,0	500
11008817	4 G 10	17,2	535,0	780
11008818	5 G 10	19,1	592,0	860
11008819	7 G 10	21,2	810,0	1300

Dimensions and specifications may be changed without prior notice.