

HELUCONTROL® JZ-520-HMH LS0H GREY / HELUCONTROL® OZ-520-HMH LS0H GREY

B2_{ca}, highly flame-retardant



TECHNICAL DATA

Control and connection cable in alignment with DIN VDE 0285-525-3-11 / DIN EN 50525-3-11

Temperature range	flexible -15°C to +70°C fixed -40°C to +70°C
Nominal voltage	AC U ₀ /U 300/500 V
Test voltage core/core	2000 V
Minimum bending radius	flexible 12.5x Outer-Ø fixed 4x Outer-Ø

■ CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: halogen-free polymer acc. to DIN VDE 0207-363-7 / DIN EN 50363-7 (compound type T17)
- Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores,
G = with protective conductor GN-YE, in the outer layer (JZ),
x = without protective conductor (OZ)
- Cores stranded in layers with optimal lay lengths
- Outer sheath: halogen-free polymer acc. to DIN VDE 0207-363-0 / DIN EN 50363-0 (compound type M1)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

■ PROPERTIES

- resistant to: oil
- halogen-free

- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

■ TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- corrosiveness of combustion gases acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- bundle fire test acc. to DIN VDE 0482-332-3-22 / DIN EN 60332-3-22 / IEC 60332-3-22
- smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404

■ APPLICATION

Control and connection cable in tool machinery, conveyor belts, production lines, plant construction, in air-conditioning devices, in metallurgical, steel and rolling mills. For fixed installation and flexible applications with occasional, not constantly recurring free movement without forced motion, without tensile stress and for medium mechanical stress. The cable is suitable for use in dry, damp and wet locations and on plaster.

■ NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	CPR-class
11008617	2 x 0.5	20	4.8	9.6	43.0	C _{ca} s2 d0 a1
11008618	3 G 0.5	20	5.1	14.4	50.0	B2 _{ca} s1b d0 a1
11008619	3 x 0.5	20	5.1	14.4	50.0	B2 _{ca} s1b d0 a1
11008620	4 G 0.5	20	5.8	19.2	55.0	B2 _{ca} s1b d0 a1
11008621	4 x 0.5	20	5.8	19.2	55.0	B2 _{ca} s1b d0 a1
11008622	5 G 0.5	20	6.2	24.0	66.0	B2 _{ca} s1b d0 a1
11008623	5 x 0.5	20	6.2	24.0	66.0	B2 _{ca} s1b d0 a1
11008624	7 G 0.5	20	6.7	33.6	81.0	B2 _{ca} s1b d0 a1
11008627	12 G 0.5	20	8.7	57.6	126.0	B2 _{ca} s1b d0 a1
11008629	18 G 0.5	20	10.7	86.4	194.0	B2 _{ca} s1b d0 a1
11008631	25 G 0.5	20	13.6	180.0	345.0	B2 _{ca} s1b d0 a1
11008640	2 x 0.75	19	5.3	14.4	47.0	B2 _{ca} s1b d0 a1
11008641	3 G 0.75	19	5.6	21.6	56.0	B2 _{ca} s1b d0 a1
11008642	3 x 0.75	19	5.6	21.6	56.0	B2 _{ca} s1b d0 a1
11008643	4 G 0.75	19	6.3	28.8	72.0	B2 _{ca} s1b d0 a1
11008644	4 x 0.75	19	6.3	28.8	72.0	B2 _{ca} s1b d0 a1
11008645	5 G 0.75	19	6.9	36.0	86.0	B2 _{ca} s1b d0 a1
11008646	5 x 0.75	19	6.9	36.0	86.0	B2 _{ca} s1b d0 a1

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Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	CPR-class
11008647	7 G 0.75	19	7.5	50.4	107.0	B2 _{ca} s1b d0 a1
11008648	7 x 0.75	19	7.5	50.4	107.0	B2 _{ca} s1b d0 a1
11008651	12 G 0.75	19	9.8	86.4	173.0	B2 _{ca} s1b d0 a1
11008653	18 G 0.75	19	12.2	129.6	266.0	B2 _{ca} s1b d0 a1
11008655	25 G 0.75	19	14.3	180.0	345.0	B2 _{ca} s1b d0 a1
11008664	2 x 1	18	5.6	19.2	55.0	B2 _{ca} s1b d0 a1
11008665	3 G 1	18	5.9	28.8	66.0	B2 _{ca} s1b d0 a1
11008666	3 x 1	18	5.9	28.8	66.0	B2 _{ca} s1b d0 a1
11008667	4 G 1	18	6.6	38.4	83.0	B2 _{ca} s1b d0 a1
11008668	4 x 1	18	6.6	38.4	83.0	B2 _{ca} s1b d0 a1
11008669	5 G 1	18	7.3	48.0	101.0	B2 _{ca} s1b d0 a1
11008670	7 G 1	18	8.1	67.2	130.0	B2 _{ca} s1b d0 a1
11008673	12 G 1	18	10.4	115.0	207.0	B2 _{ca} s1b d0 a1
11008675	18 G 1	18	12.9	172.8	314.0	B2 _{ca} s1b d0 a1
11008677	25 G 1	18	15.4	240.0	423.0	B2 _{ca} s1b d0 a1
11008685	2 x 1.5	16	6.4	28.8	74.0	B2 _{ca} s1b d0 a1
11008686	3 G 1.5	16	6.8	43.2	90.0	B2 _{ca} s1b d0 a1
11008687	3 x 1.5	16	6.8	43.2	90.0	B2 _{ca} s1b d0 a1
11008688	4 G 1.5	16	7.4	57.6	110.0	B2 _{ca} s1b d0 a1
11008689	5 G 1.5	16	8.3	72.0	136.0	B2 _{ca} s1b d0 a1
11008690	7 G 1.5	16	9.2	100.8	175.0	B2 _{ca} s1b d0 a1
11008693	12 G 1.5	16	11.8	172.8	276.0	B2 _{ca} s1b d0 a1
11008695	18 G 1.5	16	14.6	259.2	421.0	B2 _{ca} s1b d0 a1
11008697	25 G 1.5	16	17.4	360.0	563.0	B2 _{ca} s1b d0 a1
11008703	2 x 2.5	14	7.8	48.0	114.0	B2 _{ca} s1b d0 a1
11008704	3 G 2.5	14	8.3	72.0	139.0	B2 _{ca} s1b d0 a1
11008705	4 G 2.5	14	9.2	96.0	175.0	B2 _{ca} s1b d0 a1
11008706	5 G 2.5	14	10.1	120.0	212.0	B2 _{ca} s1b d0 a1
11008707	7 G 2.5	14	11.2	168.0	273.0	B2 _{ca} s1b d0 a1
11008710	12 G 2.5	14	14.8	288.0	458.0	B2 _{ca} s1b d0 a1
11008716	2 x 4	12	9.3	76.8	167.0	B2 _{ca} s1b d0 a1
11008717	3 G 4	12	9.8	115.2	204.0	B2 _{ca} s1b d0 a1
11008718	4 G 4	12	10.9	153.6	258.0	B2 _{ca} s1b d0 a1
11008719	5 G 4	12	12.1	192.0	317.0	B2 _{ca} s1b d0 a1
11008720	7 G 4	12	13.4	268.8	403.0	B2 _{ca} s1b d0 a1
11008726	2 x 6	10	11.0	115.2	240.0	B2 _{ca} s1b d0 a1
11008727	3 G 6	10	11.9	172.8	304.0	B2 _{ca} s1b d0 a1
11008728	4 G 6	10	13.0	230.4	377.0	B2 _{ca} s1b d0 a1
11008729	5 G 6	10	14.5	288.0	468.0	B2 _{ca} s1b d0 a1
11008730	7 G 6	10	16.2	403.2	611.0	B2 _{ca} s1b d0 a1
11008731	2 x 10	8	13.8	192.0	385.0	B2 _{ca} s1b d0 a1
11008732	3 G 10	8	14.9	288.0	488.0	B2 _{ca} s1b d0 a1
11008733	4 G 10	8	16.5	384.0	615.0	B2 _{ca} s1b d0 a1
11008734	5 G 10	8	18.3	480.0	759.0	B2 _{ca} s1b d0 a1
11008735	7 G 10	8	20.2	672.0	978.0	B2 _{ca} s1b d0 a1

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