

HELUCONTROL® JZ-520-HMH-C LSOH GREY / HELUCONTROL® OZ-520-HMH-C LSOH GREY

B2_{ca}, highly flame-retardant, EMC-preferred type



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
- Foil wrapping
- Screen: braided screen of tinned copper wires, approx. coverage 85%
- 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

- halogen-free

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
11008758	2 x 0.5	20	5.7	35.0	50.0
11008759	3 G 0.5	20	5.9	42.0	60.0
11008760	3 x 0.5	20	5.9	42.0	60.0
11008761	4 G 0.5	20	6.4	47.0	70.0
11008762	4 x 0.5	20	6.4	47.0	70.0
11008763	5 G 0.5	20	6.9	56.0	80.0
11008764	7 G 0.5	20	7.6	69.0	100.0
11008765	12 G 0.5	20	9.7	108.0	160.0
11008766	18 G 0.5	20	11.5	145.0	225.0
11008767	25 G 0.5	20	13.7	240.0	320.0
11008768	2 x 0.75	19	6.1	40.0	60.0
11008769	3 G 0.75	19	6.3	52.0	70.0
11008770	3 x 0.75	19	6.3	52.0	70.0
11008771	4 G 0.75	19	6.8	60.0	80.0
11008772	4 x 0.75	19	6.8	60.0	80.0

- 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
- CPR-class: B2_{ca} s1a d0 a1

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. EMC = Electromagnetic Compatibility; in order to optimise EMC properties, we recommend a double-sided and all-round large contact area of the copper braiding.

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.
11008773	5 G 0.75	19	7.4	71.0	100.0
11008774	5 x 0.75	19	7.4	71.0	100.0
11008775	7 G 0.75	19	8.2	91.0	130.0
11008776	7 x 0.75	19	8.2	91.0	130.0
11008777	12 G 0.75	19	10.5	142.0	210.0
11008778	18 G 0.75	19	12.7	212.0	295.0
11008779	25 G 0.75	19	15.0	281.0	420.0
11008780	2 x 1	18	6.4	50.0	70.0
11008781	3 G 1	18	6.7	60.0	80.0
11008782	3 x 1	18	6.7	60.0	80.0
11008783	4 G 1	18	7.2	71.0	100.0
11008784	4 x 1	18	7.2	71.0	100.0
11008785	5 G 1	18	8.0	88.0	135.0
11008786	7 G 1	18	8.7	111.0	160.0
11008787	12 G 1	18	11.4	184.0	260.0

HELUCONTROL® JZ-520-HMH-C LSOH GREY / HELUCONTROL® OZ-520-HMH-C LSOH GREY



B2_{ca}, highly flame-retardant, EMC-preferred type

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
11008788	18 G 1	18	13.6	260.0	380.0	11008804	12 G 2.5	14	16.0	441.0	570.0
11008789	25 G 1	18	16.2	349.0	535.0	11008805	2 x 4	12	10.0	120.0	180.0
11008790	2 x 1.5	16	7.0	63.0	90.0	11008806	3 G 4	12	10.6	174.0	240.0
11008791	3 G 1.5	16	7.4	80.0	100.0	11008807	4 G 4	12	11.6	230.0	310.0
11008792	3 x 1.5	16	7.4	80.0	100.0	11008808	5 G 4	12	12.8	273.0	385.0
11008793	4 G 1.5	16	8.1	97.0	125.0	11008809	7 G 4	12	14.2	316.0	510.0
11008794	5 G 1.5	16	9.0	119.0	160.0	11008810	2 G 6	10	11.7	173.0	270.0
11008795	7 G 1.5	16	9.8	147.0	210.0	11008811	3 G 6	10	12.5	240.0	330.0
11008796	12 G 1.5	16	12.8	267.0	340.0	11008812	4 G 6	10	13.8	305.0	420.0
11008797	18 G 1.5	16	15.6	374.0	480.0	11008813	5 G 6	10	15.4	439.0	510.0
11008798	25 G 1.5	16	18.4	526.0	700.0	11008814	7 G 6	10	17.0	505.0	670.0
11008799	2 x 2.5	14	8.4	96.0	135.0	11008815	2 x 10	8	14.6	255.0	420.0
11008800	3 G 2.5	14	8.8	144.0	170.0	11008816	3 G 10	8	15.6	350.0	500.0
11008801	4 G 2.5	14	9.8	148.0	195.0	11008817	4 G 10	8	17.2	535.0	780.0
11008802	5 G 2.5	14	10.8	181.0	230.0	11008818	5 G 10	8	19.1	592.0	860.0
11008803	7 G 2.5	14	11.9	255.0	340.0	11008819	7 G 10	8	21.2	810.0	1300.0

29.02.2024 / We reserve the right to make technical changes; the imprint in the image is purely exemplary