

HELUCONTROL® JZ-510-HMH-C LS0H GREY

flexible, number coded, screened, halogen-free, meter marking, increased flame retardancy Cca



HELUCONTROL® JZ-510-HMH-C LS0H GREY CE

Technical data

- Halogen-free control cable with reference to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51 and DIN VDE 0285-525-3-11 / DIN EN 50525-3-11
- **Temperature range**
flexing -25°C to +70°C
fixed installation -40°C to +70°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage**
core/core 4000 V
core/screen 2000 V
- **Coupling resistance**
max. 250 Ohm/km at 30 Mhz
- **Minimum bending radius**
flexing 12,5x outer Ø
fixed installation 4x outer Ø
- **CPR**
Cca s1,d2,a1

Cable structure

- Bare copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of halogen-free polymer compound type TI6 acc. to DIN VDE 0207-363-7 / DIN EN 50363-7
- Core identification to DIN VDE 0293 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 foil
- Tinned copper braided screen, approx. 85% coverage
- Outer sheath of halogen-free polymer compound type TM7 acc. to DIN VDE 0207-363-8 / DIN EN 50363-8
- Sheath colour: grey (RAL 7001)
- With meter marking

Properties

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

Tests

- Flame test acc. to DIN VDE 0482-332-3-24 / DIN EN 60332-3-24 / IEC 60332-3-24
- Flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- Corrosiveness of combustion gases acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- Halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- Smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2

Note

- G = with GN-YE conductor
x = without GN-YE conductor (OZ)
- The conductor is metrically constructed (mm²). The AWG designation is approximate and purely informative.
- Unscreened analogue type: JZ-510 HMH

Application

Halogen-free, flame retardant control cables are used for instrumentation and control cables in tooling machinery, conveyor and transportation belts, production lines, in plant construction, air-conditioning systems as well as in iron and steel works. For fixed installation or for flexing applications, for casual, not constantly recurring free movement without forced motion and without tensile stress for medium mechanical loads. The cable is suitable for use in dry, damp and wet environments and on plaster. An interference-free transmission of signals and pulse is assured by the high degree of screening.

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.

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Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11021678	2x0.5	5,6	35,0	46,0	20
11021679	3G0.5	5,9	42,0	56,0	20
11021680	3x0.5	5,9	42,0	56,0	20
11021681	4G0.5	6,3	47,0	62,0	20
11021682	4x0.5	6,3	47,0	62,0	20
11021683	5G0.5	6,8	56,0	75,0	20
11021684	7G0.5	7,3	69,0	98,0	20
11021685	12G0.5	9,7	108,0	158,0	20
11021686	18G0.5	11,3	145,0	216,0	20
11021687	25G0.5	13,4	240,0	315,0	20
11021688	2x0.75	6,1	40,0	60,0	19
11021689	3G0.75	6,4	52,0	68,0	19
11021690	3x0.75	6,4	52,0	68,0	19
11021691	4G0.75	6,9	60,0	78,0	19
11021692	4x0.75	6,9	60,0	78,0	19
11021693	5G0.75	7,5	71,0	95,0	19
11021694	7G0.75	8,3	91,0	130,0	19
11021695	12G0.75	10,9	142,0	203,0	19
11021696	18G0.75	12,8	212,0	290,0	19
11021697	25G0.75	15,1	281,0	413,0	19
11021698	2x1	6,4	50,0	66,0	18
11021699	3G1	6,8	60,0	80,0	18
11021700	3x1	6,8	60,0	80,0	18
11021701	4G1	7,3	71,0	100,0	18
11021702	4x1	7,3	71,0	100,0	18
11021703	5G1	8,1	88,0	130,0	18
11021704	7G1	8,7	111,0	160,0	18
11021705	12G1	11,6	184,0	260,0	18
11021706	18G1	13,7	260,0	382,0	18
11021707	25G1	16,2	349,0	540,0	18
11021708	2x1.5	7	63,0	88,0	16
11021709	3G1.5	7,4	80,0	100,0	16
11021710	3x1.5	7,4	80,0	100,0	16
11021711	4G1.5	8,2	97,0	125,0	16
11021712	4x1.5	8,2	97,0	125,0	16
11021713	5G1.5	8,9	119,0	158,0	16
11021714	7G1.5	9,8	147,0	210,0	16
11021715	12G1.5	13,2	267,0	340,0	16
11021716	18G1.5	15,6	374,0	480,0	16
11021717	25G1.5	18,2	526,0	702,0	16
11021718	3G2.5	8,9	144,0	168,0	14
11021719	4G2.5	9,9	148,0	195,0	14
11021720	5G2.5	10,9	181,0	222,0	14
11021721	7G2.5	11,8	255,0	345,0	14
11021722	12G2.5	16,1	441,0	572,0	14

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11021723	18G2.5	18,9	570,0	680,0	14
11021724	25G2.5	21,7	830,0	950,0	14
11021725	4G4	11,5	230,0	305,0	12
11021726	4G6	14,1	305,0	416,0	10
11021727	4G10	17,4	535,0	785,0	8