

HELUCONTROL® JZ-510-HMH LSOH GREY



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



HELUCONTROL® JZ-510-HMH LSOH GREY CE

TECHNICAL DATA

Halogen-free control cable acc. to DIN VDE0285-525-2-51 / DIN EN 50525-2-51 and DIN VDE 0285-525-3-11 / DIN EN 50525-3-11

Temperature range flexible -25°C to +70°C
fixed installation -40°C to +70°C

Nominal voltage U₀/U 300/500 V

Test voltage 4000 V

Minimum bending radius flexible 12,5x outer ø
fixed installation 4x outer ø

CPR Cca s1 d2 a1

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

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

CABLE STRUCTURE

- Bare copper conductor, fine wire acc. to DIN VDE 0295 class 5 / IEC 60228 class 5
- Core insulation of halogen-free polymer compound type T16 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
- 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

NOTES

- G = with green/yellow conductor
X = without green/yellow conductor (OZ)
- The conductor is metrically constructed (mm²). The AWG designation is approximate and purely informative
- Screened analogue type: JZ-510-HMH-C

Part no.	No. cores x cross-sec. mm ²	Outer-ø app. mm	Cu-weight kg/km	Weight kg/km, approx.
11021628	2 x 0.5	4.8	9.6	43.0
11021629	3 G 0.5	5.1	14.4	50.0
11021630	3 x 0.5	5.1	14.4	50.0
11021631	4 G 0.5	5.5	19.0	60.0
11021632	4 x 0.5	5.5	19.0	60.0
11021633	5 G 0.5	6.2	24.0	71.0
11021634	7 G 0.5	6.7	33.6	84.0
11021635	12 G 0.5	9.1	58.0	142.0
11021636	18 G 0.5	10.7	86.0	204.0
11021637	25 G 0.5	12.6	120.0	283.0

Part no.	No. cores x cross-sec. mm ²	Outer-ø app. mm	Cu-weight kg/km	Weight kg/km, approx.
11021638	2 x 0.75	5.3	14.4	47.0
11021639	3 G 0.75	5.6	21.6	56.0
11021640	3 x 0.75	5.6	21.6	56.0
11021641	4 G 0.75	6.3	29.0	69.0
11021642	4 x 0.75	6.3	29.0	69.0
11021643	5 G 0.75	6.9	36.0	83.0
11021644	7 G 0.75	7.7	50.0	114.0
11021645	12 G 0.75	10.1	86.0	183.0
11021646	18 G 0.75	12.2	130.0	266.0
11021647	25 G 0.75	14.3	180.0	374.0

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Part no.	No. cores x cross-sec. mm ²	Outer-ø mm	Cu-weight kg/km	Weight kg/km, approx.	Part no.	No. cores x cross-sec. mm ²	Outer-ø mm	Cu-weight kg/km	Weight kg/km, approx.
11021648	2 x 1	5.6	19.2	63.0	11021663	5 G 1.5	8.3	72.0	141.0
11021649	3 G 1	6.1	29.0	74.0	11021664	7 G 1.5	9.2	101.0	191.0
11021650	3 x 1	6.1	29.0	74.0	11021665	12 G 1.5	12.4	173.0	311.0
11021651	4 G 1	6.7	38.4	90.0	11021666	18 G 1.5	14.8	259.0	450.0
11021652	4 x 1	6.7	38.4	90.0	11021667	25 G 1.5	17.6	360.0	630.0
11021653	5 G 1	7.5	48.0	109.0	11021668	3 G 2.5	8.3	72.0	151.0
11021654	7 G 1	8.1	67.0	151.0	11021669	4 G 2.5	9.3	96.0	181.0
11021655	12 G 1	10.9	115.0	243.0	11021670	5 G 2.5	10.1	120.0	224.0
11021656	18 G 1	12.9	173.0	361.0	11021671	7 G 2.5	11.2	168.0	316.0
11021657	25 G 1	15.4	240.0	496.0	11021672	12 G 2.5	15.3	288.0	499.0
11021658	2 x 1.5	6.4	29.0	70.0	11021673	18 G 2.5	18.2	432.0	769.0
11021659	3 G 1.5	6.8	43.0	94.0	11021674	25 G 2.5	21.6	600.0	1047.0
11021660	3 x 1.5	6.8	43.0	94.0	11021675	4 G 4	10.9	154.0	299.0
11021661	4 G 1.5	7.6	58.0	112.0	11021676	4 G 6	13.2	230.0	429.0
11021662	4 x 1.5	7.6	58.0	112.0	11021677	4 G 10	16.6	384.0	708.0