

HELUCONTROL® JZ-510-C MB (LiYCY)



flexible, number coded, screened, meter marking, increased flame retardancy B2ca



HELUCONTROL® JZ-510-C MB CE

TECHNICAL DATA

PVC control cable acc. to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51

Temperature range	flexible -5°C to +70°C fixed installation -40°C to +80°C
Nominal voltage	U ₀ /U 300/500 V
Test voltage	2000 V
Breakdown voltage	4000 V
Minimum bending radius	flexible 10 x cable ø fixed 5 x cable ø
CPR	B2ca s2 d0 a3

CABLE STRUCTURE

- Bare copper conductor, multiple wired acc. to DIN VDE 0295 cl. 5, IEC 60228 cl. 5
- Core insulation: PVC
- Black cores with continuous white numbering acc. to DIN VDE 0293
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded together in layers with optimal lay length
- Wrapping: polyester foil
- Screen: tinned copper braid, coverage approx. 60%
- Outer sheath: PVC
- Outer sheath colour: grey
- Length marking: in metres

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 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 0482-332-3-24 / DIN EN 60332-3-24 / IEC 60332-3-24 (Cat. C)

APPLICATION

For flexible applications with a medium mechanical stress factor and with free movement but without tensile stress load. Suitable for dry, moist and wet environments. Commonly used in computer systems, machine building, control equipment and office environments. Not intended for outdoor installation or for system wiring in conveyor belt or air-conditioning systems or steel plants. The copper screen coverage provides optimal EMC protection and ensures interference-free transfer of analogue or digital signals. EMC = Electromagnetic compatibility. To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

NOTES

- G = with green/yellow conductor
X = without green/yellow conductor (OZ)
- EMC = Electromagnetic compatibility
- also available without foil and screen as JZ-510 MB

Part no.	No. cores x cross-sec. mm ²	Outer-ø app. mm	Cu-weight kg/km	Weight kg/km, approx.
11004127	2 x 0.5	5.7	28.1	50.0
11004128	3 G 0.5	6.0	32.5	62.0
11004129	3 x 0.5	6.0	32.5	62.0
11004130	4 G 0.5	6.5	39.7	72.0
11004131	4 x 0.5	6.5	39.7	72.0
11004132	5 G 0.5	6.9	48.3	84.0
11004133	5 x 0.5	6.9	48.3	84.0
11004134	7 G 0.5	7.6	59.8	106.0
11004135	7 x 0.5	7.6	59.8	106.0
11004136	10 G 0.5	9.5	81.9	137.0
11004137	10 x 0.5	9.5	81.9	137.0
11004138	12 G 0.5	9.8	101.6	158.0
11004139	12 x 0.5	9.8	101.6	158.0
11004140	18 G 0.5	11.4	130.0	215.0
11019148	25 G 0.5	13.7	210.0	305.0
11004156	2 x 0.75	6.2	33.2	66.0
11004157	3 G 0.75	6.6	42.3	77.0
11004158	3 x 0.75	6.6	42.3	77.0

Part no.	No. cores x cross-sec. mm ²	Outer-ø app. mm	Cu-weight kg/km	Weight kg/km, approx.
11004159	4 G 0.75	7.1	49.1	90.0
11004160	4 x 0.75	7.1	49.1	90.0
11004161	5 G 0.75	7.8	62.4	106.0
11004162	5 x 0.75	7.8	62.4	106.0
11004163	7 G 0.75	8.4	78.7	144.0
11004164	7 x 0.75	8.4	78.7	144.0
11004165	10 G 0.75	10.7	110.4	207.0
11004166	10 x 0.75	10.7	110.4	207.0
11004167	12 G 0.75	11.1	134.9	227.0
11004168	12 x 0.75	11.1	134.9	227.0
11019154	18 G 0.75	12.9	191.0	275.0
11019156	25 G 0.75	15.4	256.0	385.0
11004185	2 x 1	6.5	39.8	75.0
11004186	3 G 1	6.9	49.6	85.0
11004187	3 x 1	6.9	49.6	85.0
11004188	4 G 1	7.6	60.5	113.0
11004189	4 x 1	7.6	60.5	113.0
11004190	5 G 1	8.2	72.1	135.0

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Part no.	No. cores x cross-sec. mm ²	Outer- \varnothing mm	Cu-weight kg/km	Weight kg/km, approx.
11004191	5 x 1	8.2	72.1	135.0
11004192	7 G 1	9.0	94.1	174.0
11004193	7 x 1	9.0	94.1	174.0
11004194	10 G 1	11.3	130.4	254.0
11004195	10 x 1	11.3	130.4	254.0
11004196	12 G 1	11.9	154.6	276.0
11004197	12 x 1	11.9	154.6	277.0
11019158	18 G 1	11.9	154.6	276.0
11019159	25 G 1	11.9	154.6	277.0
11004214	2 x 1.5	7.1	50.3	100.0
11004215	3 G 1.5	7.7	66.1	119.0
11004216	3 x 1.5	7.7	66.1	119.0
11004217	4 G 1.5	8.3	81.9	138.0
11004218	4 x 1.5	8.3	81.9	138.0
11004219	5 G 1.5	9.2	101.3	167.0
11004220	5 x 1.5	9.2	101.3	167.0
11004221	7 G 1.5	9.9	127.9	237.0
11004222	7 x 1.5	9.9	127.9	237.0

Part no.	No. cores x cross-sec. mm ²	Outer- \varnothing mm	Cu-weight kg/km	Weight kg/km, approx.
11004223	10 G 1.5	12.7	175.3	330.0
1100(224	10 x 1.5	12.7	175.3	330.0
1100(225	12 G 1.5	13.5	243.0	305.0
11004227	18 G 1.5	15.7	345.0	450.0
1100(231	25 G 1.5	18.5	485.0	615.0
1100(243	2 x 2.5	8.5	83.0	137.0
1100(244	3 G 2.5	9.2	113.7	169.0
1100(245	3 x 2.5	9.2	113.7	169.0
1100(246	4 G 2.5	10.0	136.1	210.0
1100(247	4 x 2.5	10.0	136.1	210.0
1100(248	5 G 2.5	11.0	173.6	268.0
1100(249	5 x 2.5	11.0	173.6	268.0
11004250	7 G 2.5	12.1	228.9	326.0
11004251	7 x 2.5	12.1	228.9	326.0
11004252	10 G 2.5	15.7	307.8	504.0
11004253	10 x 2.5	15.7	307.8	504.0
11004254	12 G 2.5	16.4	403.0	490.0