

HELUCONTROL® JZ-510-C MB

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



HELUKABEL HELUCONTROL JZ-510-C MB

Technical data

- PVC control cable with reference to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51
- **Temperature range**
flexing -5°C to +70°C
fixed installation -40°C to +80°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage**
2000V
- **Breakdown voltage**
4000
- **Minimum bending radius**
flexing 10 x cable Ø
fixed 5 x cable Ø
- **CPR**
Cca s2 d0 a3

Cable structure

- Bare copper conductor to DIN VDE 0295 cl. 5, fine wire, BS 6360 cl. 5, IEC 60228 cl. 5
- Core insulation of special PVC according to FK824B
- Black numbered cores according to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded together in layers with optimal lay length
- Overall polyester foil
- Tinned copper braid
- Outer sheath of special PVC compound according to FK824B
- Outer sheath grey
- 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

- RoHS compliant

Tests

- Flame retardant according to DIN 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 60332-3-24 / IEC 60332-3-24

Note

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

Application

For use as a data and control cable in control circuits, tool making and machine manufacturing industries or building installations. Also suitable as a signal cable in computer and electronic systems. In these cables the usual PVC inner sheath has been replaced by a stabilising polyester foil, thus reducing the total diameter of the cable considerably and which in turn also reduces the bending radius and total weight of the cable. The copper screen coverage provides optimal EMC protection and ensures interference-free transfer of analog or digital signals.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11004127	2 x 0,5	5,0	28,1	50
11004128	3 G 0,5	5,3	32,5	62
11004129	3 x 0,5	5,3	32,5	62
11004130	4 G 0,5	5,7	39,7	72
11004131	4 x 0,5	5,7	39,7	72
11004132	5 G 0,5	6,3	48,3	84
11004133	5 x 0,5	6,3	48,3	84
11004134	7 G 0,5	6,8	59,8	106
11004135	7 x 0,5	6,8	59,8	106
11004136	10 G 0,5	8,4	81,9	137
11004137	10 x 0,5	8,4	81,9	137
11004138	12 G 0,5	8,8	101,6	158
11004139	12 x 0,5	8,8	101,6	158
11004156	2 x 0,75	5,9	33,2	66
11004157	3 G 0,75	6,1	42,3	77
11004158	3 x 0,75	6,1	42,3	77
11004159	4 G 0,75	6,6	49,1	90
11004160	4 x 0,75	6,6	49,1	90
11004161	5 G 0,75	7,1	62,4	106
11004162	5 x 0,75	7,1	62,4	106
11004163	7 G 0,75	7,9	78,7	144
11004164	7 x 0,75	7,9	78,7	144
11004165	10 G 0,75	9,6	110,4	207
11004166	10 x 0,75	9,6	110,4	207
11004167	12 G 0,75	9,9	134,9	227
11004168	12 x 0,75	9,9	134,9	227
11004185	2 x 1	6,2	39,8	75
11004186	3 G 1	6,5	49,6	85
11004187	3 x 1	6,5	49,6	85
11004188	4 G 1	7,1	60,5	113
11004189	4 x 1	7,1	60,5	113
11004190	5 G 1	7,8	72,1	135
11004191	5 x 1	7,8	72,1	135
11004192	7 G 1	8,6	94,1	174
11004193	7 x 1	8,6	94,1	174
11004194	10 G 1	10,6	130,4	254

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
11004195	10 x 1	10,6	130,4	254
11004196	12 G 1	10,9	154,6	276
11004197	12 x 1	10,9	154,6	277
11004214	2 x 1,5	7,4	50,3	100
11004215	3 G 1,5	7,4	66,1	119
11004216	3 x 1,5	7,4	66,1	119
11004217	4 G 1,5	8,2	81,9	138
11004218	4 x 1,5	8,2	81,9	138
11004219	5 G 1,5	8,9	101,3	167
11004220	5 x 1,5	8,9	101,3	167
11004221	7 G 1,5	9,8	127,9	237
11004222	7 x 1,5	9,8	127,9	237
11004223	10 G 1,5	12,4	175,3	330
11004224	10 x 1,5	12,4	175,3	330
11004243	2 x 2,5	8,2	83,0	137
11004244	3 G 2,5	8,6	113,7	169
11004245	3 x 2,5	8,6	113,7	169
11004246	4 G 2,5	9,4	136,1	210
11004247	4 x 2,5	9,4	136,1	210
11004248	5 G 2,5	10,3	173,6	268
11004249	5 x 2,5	10,3	173,6	268
11004250	7 G 2,5	11,4	228,9	326
11004251	7 x 2,5	11,4	228,9	326
11004252	10 G 2,5	14,5	307,8	504
11004253	10 x 2,5	14,5	307,8	504
11004272	3 G 4	11,4	150,8	276
11004273	4 G 4	12,8	197,8	344
11004274	5 G 4	14,0	241,8	422
11004276	3 G 6	12,3	212,2	357
11004277	4 G 6	13,7	275,7	449
11004278	5 G 6	15,2	366,9	566
11004280	3 G 10	14,5	328,9	571
11004281	4 G 10	16,1	466,1	764
11004284	3 G 16	16,8	458,8	822
11004285	4 G 16	18,4	705,2	1052

Dimensions and specifications may be changed without prior notice.