HELUCONTROL® JZ-510 MB (LiYY)

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

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 8 x cable ø fixed 5 x cable ø
CPR	Cca s3 d1 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 twisted together in layers with optimal lay length
- 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. Selected special PVC compounds guarantee a good flexibility as well as an economic and fast installation.

NOTES

- G = with green/yellow conductor
  X = without green/yellow conductor (OZ)
- also available with copper screen as JZ-510-C MB

Part no.	No. cores x cross-sec. mm²	Outer-ø app. mm	Cu-weight kg/km	Weight kg/km, approx.
11003966	2 x 0.5	4.8	9.6	35.0
11003967	3 G 0.5	5.1	14.4	41.0
11003968	3 x 0.5	5.1	14.4	41.0
11003969	4 G 0.5	5.5	19.2	49.0
11003970	4 x 0.5	5.5	19.2	49.0
11003971	5 G 0.5	6.2	24.0	55.0
11003972	5 x 0.5	6.2	24.0	55.0
11003973	7 G 0.5	6.7	33.6	69.0
11003974	7 x 0.5	6.7	33.6	69.0
11003975	10 G 0.5	8.6	48.0	104.0
11003976	10 x 0.5	8.6	48.0	104.0
11003977	12 G 0.5	9.1	58.0	118.0
11003978	12 x 0.5	9.1	58.0	118.0
11019115	18 G 0.5	10.7	86.4	195.0
11019116	25 G 0.5	12.6	120.0	265.0
11003995	2 x 0.75	5.3	14.4	43.0
11003996	3 G 0.75	5.6	21.6	51.0
11003997	3 x 0.75	5.6	21.6	51.0
11003998	4 G 0.75	6.3	28.8	63.0
11003999	4 x 0.75	6.3	28.8	63.0
11004000	5 G 0.75	6.9	36.0	69.0
11004001	5 x 0.75	6.9	36.0	69.0

Part no.	No. cores x cross-sec. mm²	Outer-ø app. mm	Cu-weight kg/km	Weight kg/km, approx.
11004002	7 G 0.75	7.7	50.4	90.0
11004003	7 x 0.75	7.7	50.4	90.0
11004004	10 G 0.75	9.8	72.0	129.0
11004005	10 x 0.75	9.8	72.0	129.0
11004006	12 G 0.75	10.1	86.4	148.0
11004007	12 x 0.75	10.1	86.4	148.0
11019120	18 G 0.75	12.2	130.0	250.0
11019121	25 G 0.75	14.3	180.0	350.0
11004024	2 x 1	5.6	19.2	54.0
11004025	3 G 1	6.1	28.8	62.0
11004026	3 x 1	6.1	28.8	62.0
11004027	4 G 1	6.6	38.4	76.0
11004028	4 x 1	6.6	38.4	76.0
11004029	5 G 1	7.5	48.0	87.0
11004030	5 x 1	7.5	48.0	87.0
11004031	7 G 1	8.1	67.2	113.0
11004032	7 x 1	8.1	67.2	113.0
11004033	10 G 1	10.6	96.0	162.0
11004034	10 x 1	10.6	96.0	162.0
11004035	12 G 1	10.9	115.2	186.0
11004036	12 x 1	10.9	115.2	186.0
11019125	18 G 1	12.9	173.0	341.0

Continued on next page

HELUCONTROL® JZ-510 MB (LiYY)

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

Part no.	No. cores x cross-sec. mm²	Outer-ø mm	Cu-weight kg/km	Weight kg/km, approx.
11019126	25 G 1	15.4	240.0	480.0
11004053	2 x 1.5	6.4	28.8	71.0
11004054	3 G 1.5	6.8	43.2	86.0
11004055	3 x 1.5	6.8	43.2	86.0
11004056	4 G 1.5	7.6	58.0	106.0
11004057	4 x 1.5	7.6	58.0	106.0
11004058	5 G 1.5	8.3	72.0	120.0
11004059	5 x 1.5	8.3	72.0	120.0
11004060	7 G 1.5	9.2	101.0	152.0
11004061	7 x 1.5	9.2	101.0	152.0
11004062	10 G 1.5	12.0	144.0	217.0
11004063	10 x 1.5	12.0	144.0	217.0
11019132	12 G 1.5	12.4	173.0	285.0
11019133	18 G 1.5	14.8	259.0	420.0
11019134	25G 1.5	17.6	360.0	585.0
11004082	2 x 2.5	7.8	48.0	103.0

Part no.	No. cores x cross-sec. mm²	Outer-ø mm	Cu-weight kg/km	Weight kg/km, approx.
11004083	3 G 2.5	8.3	72.0	127.0
11004084	3 x 2.5	8.3	72.0	127.0
11004085	4 G 2.5	9.2	96.0	162.0
11004086	4 x 2.5	9.2	96.0	162.0
11004087	5 G 2.5	10.1	120.0	177.0
11004088	5 x 2.5	10.1	120.0	177.0
11004089	7 G 2.5	11.2	168.0	228.0
11004090	7 x 2.5	11.2	168.0	228.0
11004091	10 G 2.5	14.8	240.0	327.0
11004092	10 x 2.5	14.8	240.0	327.0
11019138	12 G 2.5	15.3	288.0	460.0
11004111	3 G 4	9.7	115.2	233.0
11004112	4 G 4	10.8	153.6	290.0
11004116	4 G 6	13.2	230.4	376.0
11004117	5 G 6	14.7	288.0	422.0