

JZ-500-C black

flexible, screened, meter marking, EMC-preferred type



HELUKABEL JZ-500-C black 12G 1,5 QMM/10963 300/500V 0010917711 C€

Technical data

- Special-PVC control cable adapted to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51
- **Temperature range**
flexing -10°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage** U_0/U 300/500 V
- **Test voltage**
core/core 4000 V
core/screen 2000 V
- **Breakdown voltage** min. 8000 V
- **Coupling resistance**
max. 250 Ohm/km
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 5x cable Ø

Cable structure

- Bare copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of special PVC compound type Z 7225
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above
- Cores stranded in layers with optimal lay length
- Foil wrapping
- Tinned copper braided screen, approx. 85% coverage
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour: black (RAL 9005)
- With meter marking

Properties

- Extensively oil resistant, oil-/chemical resistance see "Technical Information"
- UV-resistant
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

Note

- G = with GN-YE conductor
x = without GN-YE conductor (OZ)
- AWG sizes are approximate equivalent values. The actual cross section is in mm².

Application

For medium mechanical stress for flexible use with free movement without tensile stress or forced movements in dry, damp, wet rooms and **in open air**. Must not be laid directly in soil or water. When screened for measurement, control and control line etc. in mechanical and plant engineering, machine tools, production lines and conveyor belts.

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

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

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
10934	2 x 0,5	5,7	35,0	45,0	20
10935	3 G 0,5	6,0	42,0	55,0	20
11479	3 x 0,5	6,0	42,0	55,0	20
10936	4 G 0,5	6,5	47,0	61,0	20
11480	4 x 0,5	6,5	47,0	61,0	20
10937	5 G 0,5	6,9	56,0	74,0	20
11481	5 x 0,5	6,9	56,0	74,0	20
10938	7 G 0,5	7,6	69,0	98,0	20
11482	7 x 0,5	7,6	69,0	98,0	20
10939	12 G 0,5	9,8	108,0	157,0	20
11483	12 x 0,5	9,8	108,0	157,0	20
10940	18 G 0,5	11,4	145,0	217,0	20
10941	25 G 0,5	13,7	240,0	314,0	20
10942	2 x 0,75	6,2	40,0	59,0	19
10943	3 G 0,75	6,6	52,0	66,0	19
11484	3 x 0,75	6,6	52,0	66,0	19
10944	4 G 0,75	7,1	60,0	77,0	19
11485	4 x 0,75	7,1	60,0	77,0	19
10945	5 G 0,75	7,8	71,0	93,0	19
11486	5 x 0,75	7,8	71,0	93,0	19
10946	7 G 0,75	8,4	91,0	130,0	19
11487	7 x 0,75	8,4	91,0	130,0	19
10947	12 G 0,75	11,1	142,0	202,0	19
11488	12 x 0,75	11,1	142,0	202,0	19
10948	18 G 0,75	12,9	212,0	292,0	19
10949	25 G 0,75	15,4	281,0	415,0	19
10950	2 x 1	6,5	50,0	65,0	18
10951	3 G 1	6,9	60,0	80,0	18
11493	3 x 1	6,9	60,0	80,0	18
10952	4 G 1	7,6	71,0	98,0	18
11495	4 x 1	7,6	71,0	98,0	18
10953	5 G 1	8,2	88,0	127,0	18
11496	5 x 1	8,2	88,0	127,0	18
10954	7 G 1	9,0	111,0	158,0	18
11497	7 x 1	9,0	111,0	158,0	18
11007470	8 x 1	10,0	127,0	197,0	18

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
10955	12 G 1	11,9	184,0	260,0	18
11499	12 x 1	11,9	184,0	260,0	18
10956	18 G 1	14,0	260,0	380,0	18
10957	25 G 1	16,5	349,0	534,0	18
10958	2 x 1,5	7,1	63,0	88,0	16
10959	3 G 1,5	7,7	80,0	100,0	16
11500	3 x 1,5	7,7	80,0	100,0	16
10960	4 G 1,5	8,3	97,0	126,0	16
11502	4 x 1,5	8,3	97,0	126,0	16
10961	5 G 1,5	9,2	119,0	160,0	16
11503	5 x 1,5	9,2	119,0	160,0	16
10962	7 G 1,5	9,9	147,0	208,0	16
11520	7 x 1,5	9,9	147,0	208,0	16
10963	12 G 1,5	13,5	267,0	338,0	16
11522	12 x 1,5	13,5	267,0	338,0	16
10964	18 G 1,5	15,7	374,0	479,0	16
10965	25 G 1,5	18,5	526,0	705,0	16
10966	2 x 2,5	8,5	96,0	130,0	14
10967	3 G 2,5	9,2	144,0	167,0	14
11523	3 x 2,5	9,2	144,0	167,0	14
10968	4 G 2,5	10,0	148,0	195,0	14
11524	4 x 2,5	10,0	148,0	195,0	14
10969	5 G 2,5	11,0	181,0	223,0	14
11526	5 x 2,5	11,0	181,0	223,0	14
10970	7 G 2,5	12,1	255,0	344,0	14
11527	7 x 2,5	12,1	255,0	344,0	14
10971	12 G 2,5	16,4	441,0	570,0	14
11550	12 x 2,5	16,4	441,0	570,0	14
10972	18 G 2,5	19,3	570,0	681,0	14
10973	4 G 4	12,3	230,0	310,0	12
10974	5 G 4	13,8	273,0	385,0	12
10975	4 G 6	14,2	305,0	415,0	10
10976	5 G 6	15,6	439,0	509,0	10
10977	4 G 10	18,2	535,0	783,0	8
10978	4 G 16	21,0	740,0	880,0	6
10979	4 G 25	26,4	1140,0	1570,0	4
10980	4 G 35	29,0	1576,0	2070,0	2

Dimensions and specifications may be changed without prior notice. (RA01)