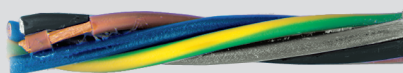


# JB-500

flexible, colour coded, meter marking



HELUKABEL JB-500 5G1,5 QMM / 11082 300/500 V 001041518 CE

## Technical data

- Special-PVC control cable adapted to DIN VDE 0285-525-2-11 / DIN EN 50525-2-11
- **Temperature range**  
flexing -15°C to +80°C  
fixed installation -40°C to +80°C
- **Nominal voltage**  
U<sub>0</sub>/U 300/500 V
- **Test voltage**  
4000 V
- **Breakdown voltage**  
min. 8000 V
- **Minimum bending radius**  
flexing 7,5x cable Ø  
fixed installation 4x cable Ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)

## 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 compound type Z 7225
- Core identification to JB/OB colour code
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay length
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour: grey (RAL 7001)
- With meter marking

## Properties

- Extensively oil resistant, oil-/chemical resistance see "Technical Informations"
- Conditional drag chain compatible
- Conditional suitability for torsion
- 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 (OB)
- AWG sizes are approximate equivalent values. The actual cross section is in mm<sup>2</sup>.
- Screened analogue type: **Y-CY-JB**

## Application

For flexible use under medium mechanical stress with free movement without tensile stress and without forced motion control in dry, moist and wet rooms but not suitable for open air as measuring and control cables in machine tools, conveyor belts, production lines, as well as plant engineering, heating and air conditioning.

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

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11001	2 x 0,5	4,8	9,6	40,0	20
11002	3 G 0,5	5,1	14,4	46,0	20
11003	3 x 0,5	5,1	14,4	46,0	20
11004	4 G 0,5	5,5	19,2	56,0	20
11005	4 x 0,5	5,5	19,2	56,0	20
11006	5 G 0,5	6,2	24,0	65,0	20
11007	5 x 0,5	6,2	24,0	65,0	20
11008	6 G 0,5	6,7	29,0	75,0	20
11009	7 G 0,5	6,7	34,0	80,0	20
11010	7 x 0,5	6,7	34,0	84,0	20
11011	8 G 0,5	7,4	38,0	97,0	20
11012	10 G 0,5	8,0	48,0	116,0	20
11013	12 G 0,5	9,0	58,0	135,0	20
11014	14 G 0,5	9,5	67,0	150,0	20
11015	16 G 0,5	10,0	77,0	172,0	20
11019	30 G 0,5	13,5	144,0	310,0	20
11026	2 x 0,75	5,3	14,4	46,0	19
11027	3 G 0,75	5,6	21,6	54,0	19
11028	3 x 0,75	5,6	21,6	54,0	19
11029	4 G 0,75	6,3	28,8	66,0	19
11030	4 x 0,75	6,3	28,8	66,0	19
11031	5 G 0,75	6,9	36,0	80,0	19
11032	5 x 0,75	6,9	36,0	80,0	19
11033	6 G 0,75	7,7	43,2	99,0	19
11034	7 G 0,75	7,7	50,0	110,0	19
11035	7 x 0,75	7,7	50,0	110,0	19
11036	8 G 0,75	8,3	58,0	130,0	19
11037	9 G 0,75	9,1	65,0	153,0	19
11038	10 G 0,75	9,1	72,0	162,0	19
11039	12 G 0,75	10,0	86,0	179,0	19
11040	15 G 0,75	11,4	108,0	218,0	19
11041	18 G 0,75	12,2	130,0	257,0	19
11042	21 G 0,75	12,8	151,0	320,0	19
11043	25 G 0,75	14,3	180,0	365,0	19
11050	2 x 1	5,6	19,2	60,0	18
11051	3 G 1	6,1	29,0	72,0	18
11052	3 x 1	6,1	29,0	72,0	18
11053	4 G 1	6,6	38,4	86,0	18
11054	4 x 1	6,6	38,4	86,0	18
11055	5 G 1	7,5	48,0	104,0	18
11056	5 x 1	7,5	48,0	104,0	18

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11057	6 G 1	8,1	58,0	125,0	18
11058	6 x 1	8,1	58,0	125,0	18
11059	7 G 1	8,1	67,0	141,0	18
11060	7 x 1	8,1	67,0	141,0	18
11061	8 G 1	9,0	77,0	175,0	18
11062	9 G 1	9,6	87,0	200,0	18
11063	10 G 1	9,6	96,0	207,0	18
11064	12 G 1	10,8	115,0	230,0	18
11065	14 G 1	11,5	134,0	271,0	18
11066	16 G 1	12,3	154,0	300,0	18
11067	18 G 1	12,9	173,0	343,0	18
11068	20 G 1	13,8	192,0	375,0	18
11069	24 G 1	15,4	230,0	468,0	18
11070	25 G 1	15,4	240,0	485,0	18
11077	2 x 1,5	6,4	29,0	70,0	16
11078	3 G 1,5	6,8	43,0	90,0	16
11079	3 x 1,5	6,8	43,0	90,0	16
11080	4 G 1,5	7,6	58,0	109,0	16
11081	4 x 1,5	7,6	58,0	109,0	16
11082	5 G 1,5	8,3	72,0	131,0	16
11083	5 x 1,5	8,3	72,0	131,0	16
11084	6 G 1,5	9,2	86,4	157,0	16
11085	7 G 1,5	9,2	101,0	184,0	16
11086	7 x 1,5	9,2	101,0	184,0	16
11087	8 G 1,5	9,9	115,0	216,0	16
11088	11 G 1,5	10,9	158,0	300,0	16
11089	12 G 1,5	12,2	173,0	309,0	16
11090	14 G 1,5	13,0	202,0	345,0	16
11091	16 G 1,5	13,9	230,0	386,0	16
11092	18 G 1,5	14,8	259,0	440,0	16
11093	20 G 1,5	15,6	288,0	490,0	16
11094	25 G 1,5	17,6	360,0	620,0	16
11104	2 x 2,5	7,8	48,0	112,0	14
11105	3 G 2,5	8,3	72,0	148,0	14
11106	3 x 2,5	8,3	72,0	148,0	14
11107	4 G 2,5	9,2	96,0	178,0	14
11108	4 x 2,5	9,2	96,0	178,0	14
11109	5 G 2,5	10,1	120,0	221,0	14
11110	5 x 2,5	10,1	120,0	221,0	14
11111	6 G 2,5	11,2	144,0	293,0	14
11112	7 G 2,5	11,2	168,0	306,0	14

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

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