



HELUKABEL VDE Reg.-Nr. 7032 JB-500 5G1,5 QMM / 11082 300/500 V 001041518 C €



Technical data

- Requirements adapted to DIN VDE 0245, 0281, 0293, 0295
- **Temperature range**
flexing -5°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage** U_0/U 300/500 V
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**
min. 20 MΩm x km
- **Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø
- **Radiation resistance**
up to 80×10^6 cJ/kg (up to 80 Mrad)

Cable construction

- Bare copper, fine wire conductors, to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Core insulation of special PVC Z7225
- Cores colour coded as per JB/OB colour code
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Special PVC outer sheath TM2, to DIN VDE 0281 part 1
- Colour grey (RAL 7001)

Properties

- Extensively oil and Chemical Resistance
- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- G = with green-yellow earth core;
x = without green-yellow earth core (OB).
- up to 5 cores with VDE-Reg-No.

Application

These cables are used for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, as measuring and control cables in tool machinery, conveyor belts, production lines, as well as in machinery production, in air-conditioning and steel production plants. The earth core is located immediately below the outer jacket. JB cables are suitable for use in all electrical equipment either in dry or damp areas. They should not, however, be installed in the open air. **CE** – The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. 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	5,7	19,2	56,0	20
11005	4 x 0,5	5,7	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	7,4	34,0	80,0	20
11010	7 x 0,5	7,4	34,0	84,0	20
11011	8 G 0,5	8,0	38,0	97,0	20
11012	10 G 0,5	8,8	48,0	116,0	20
11013	12 G 0,5	9,1	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	5,2	14,4	46,0	18
11027	3 G 0,75	5,5	21,6	54,0	18
11028	3 x 0,75	5,5	21,6	54,0	18
11029	4 G 0,75	6,2	28,8	66,0	18
11030	4 x 0,75	6,2	28,8	66,0	18
11031	5 G 0,75	6,8	36,0	80,0	18
11032	5 x 0,75	6,8	36,0	80,0	18
11033	6 G 0,75	7,5	43,2	99,0	18
11034	7 G 0,75	8,1	50,0	110,0	18
11035	7 x 0,75	8,1	50,0	110,0	18
11036	8 G 0,75	8,9	58,0	130,0	18
11037	9 G 0,75	9,5	65,0	153,0	18
11038	10 G 0,75	9,6	72,0	162,0	18
11039	12 G 0,75	9,9	86,0	179,0	18
11040	15 G 0,75	11,2	108,0	218,0	18
11041	18 G 0,75	11,9	130,0	257,0	18
11042	21 G 0,75	13,3	151,0	320,0	18
11043	25 G 0,75	14,5	180,0	365,0	18
11050	2 x 1	5,5	19,2	60,0	17
11051	3 G 1	6,0	27,0	72,0	17
11052	3 x 1	6,0	29,0	72,0	17
11053	4 G 1	6,6	38,4	86,0	17
11054	4 x 1	6,6	38,4	86,0	17
11055	5 G 1	7,2	48,0	104,0	17
11056	5 x 1	7,2	48,0	104,0	17
11057	6 G 1	8,0	58,0	125,0	17
11058	6 x 1	8,0	58,0	125,0	17

Part No.	No. cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
11059	7 G 1	8,6	67,0	141,0	17
11060	7 x 1	8,6	67,0	141,0	17
11061	8 G 1	9,4	77,0	175,0	17
11062	9 G 1	10,1	87,0	200,0	17
11063	10 G 1	10,4	96,0	207,0	17
11064	12 G 1	10,7	115,0	230,0	17
11065	14 G 1	11,3	134,0	271,0	17
11066	16 G 1	12,0	154,0	300,0	17
11067	18 G 1	12,7	173,0	343,0	17
11068	20 G 1	13,5	192,0	375,0	17
11069	24 G 1	14,7	230,0	468,0	17
11070	25 G 1	15,6	240,0	485,0	17
11077	2 x 1,5	6,3	29,0	70,0	16
11078	3 G 1,5	6,7	43,0	90,0	16
11079	3 x 1,5	6,7	43,0	90,0	16
11080	4 G 1,5	7,3	58,0	109,0	16
11081	4 x 1,5	7,3	58,0	109,0	16
11082	5 G 1,5	8,2	72,0	131,0	16
11083	5 x 1,5	8,2	72,0	131,0	16
11084	6 G 1,5	8,9	86,4	157,0	16
11085	7 G 1,5	9,8	101,0	184,0	16
11086	7 x 1,5	9,8	101,0	184,0	16
11087	8 G 1,5	10,6	115,0	216,0	16
11088	11 G 1,5	12,1	158,0	300,0	16
11089	12 G 1,5	12,1	173,0	309,0	16
11090	14 G 1,5	12,9	202,0	345,0	16
11091	16 G 1,5	13,6	230,0	386,0	16
11092	18 G 1,5	14,5	259,0	440,0	16
11093	20 G 1,5	15,2	288,0	490,0	16
11094	25 G 1,5	17,8	360,0	620,0	16
11104	2 x 2,5	7,6	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	9,1	96,0	178,0	14
11108	4 x 2,5	9,1	96,0	178,0	14
11109	5 G 2,5	10,2	120,0	221,0	14
11110	5 x 2,5	10,2	120,0	221,0	14
11111	6 G 2,5	11,7	144,0	293,0	14
11112	7 G 2,5	12,1	168,0	306,0	14

Dimensions and specifications may be changed without prior notice.