JB-500 / OB-500



TECHNICAL DATA

PVC control cable in alignment with DIN VDE 0285-525-2-11 / DIN EN 50525-2-11

Temperature range	flexible -15°C to +80°C fixed -40°C to +80°C
Nominal voltage	AC U_0/U 300/500 V
Test voltage core/core	4000 V
Breakdown voltage	8000 V
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC, compound type Z 7225
- Core identification acc. to JB/OB colour code, colour coded
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, in the outer layer, X = without protective conductor (OB)
- Cores stranded in layers with optimal lay lengths
- Outer sheath: PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM2)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- largely resistant to: oil, for details, see "Technical Information"
- conditionally torsional
- conditionally suitable for drag chains
- 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
- certifications and approvals: EAC

APPLICATION

Used for flexible applications involving medium mechanical stress with free movement, without tensile stress and without forced motion control in dry, damp and wet rooms, however, not suitable for outdoor use as a measuring and control cable in machine tools, assembly lines, conveyor belts, production lines, plant construction and in heating and air-conditioning technology.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- please note "cleanroom qualification" in your order

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11001	2 x 0.5	20	4.8	9.6	40.0
11002	3 G 0.5	20	5.1	14.4	46.0
11003	3 x 0.5	20	5.1	14.4	46.0
11004	4 G 0.5	20	5.5	19.2	56.0
11005	4 x 0.5	20	5.5	19.2	56.0
11006	5 G 0.5	20	6.2	24.0	65.0
11007	5 x 0.5	20	6.2	24.0	65.0
11008	6 G 0.5	20	6.7	29.0	75.0
11009	7 G 0.5	20	6.7	34.0	80.0
11010	7 x 0.5	20	6.7	34.0	84.0
11011	8 G 0.5	20	7.4	38.0	97.0
11012	10 G 0.5	20	8.6	48.0	116.0
11013	12 G 0.5	20	9.1	58.0	135.0
11014	14 G 0.5	20	9.5	67.0	150.0
11015	16 G 0.5	20	10.0	77.0	172.0
11019	30 G 0.5	20	13.5	144.0	310.0
11026	2 x 0.75	19	5.3	14.4	46.0
11027	3 G 0.75	19	5.6	21.6	54.0
11028	3 x 0.75	19	5.6	21.6	54.0
11029	4 G 0.75	19	6.3	28.8	66.0
11030	4 x 0.75	19	6.3	28.8	66.0
11031	5 G 0.75	19	6.9	36.0	80.0
11032	5 x 0.75	19	6.9	36.0	80.0
11033	6 G 0.75	19	7.7	43.2	99.0
11034	7 G 0.75	19	7.7	50.0	110.0
11035	7 x 0.75	19	7.7	50.0	110.0
11036	8 G 0.75	19	8.3	58.0	130.0
11037	9 G 0.75	19	9.1	65.0	153.0
11038	10 G 0.75	19	9.8	72.0	162.0
11039	12 G 0.75	19	10.1	86.0	179.0
11040	15 G 0.75	19	11.4	108.0	218.0
11041	18 G 0.75	19	12.2	130.0	257.0
11042	21 G 0.75	19	12.8	151.0	320.0
11043	25 G 0.75	19	14.3	180.0	365.0
11050	2 x 1	18	5.6	19.2	60.0
11051	3 G 1	18	6.1	29.0	72.0
11052	3 x 1	18	6.1	29.0	72.0
11053	4 G 1	18	6.6	38.4	86.0
11054	4 x 1	18	6.6	38.4	86.0
11055	5 G 1	18	7.5	48.0	104.0
11056	5 x 1	18	7.5	48.0	104.0
11057	6 G 1	18	8.1	58.0	125.0
11058	6 x 1	18	8.1	58.0	125.0
11059	7 G 1	18	8.1	67.0	141.0
11060	7 x 1	18	8.1	67.0	141.0
11061	8 G 1	18	9.0	77.0	175.0
11062	9 G 1	18	9.8	87.0	200.0
11063	10 G 1	18	10.6	96.0	207.0

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11064	12 G 1	18	10.9	115.0	230.0
11065	14 G 1	18	11.5	134.0	271.0
11066	16 G 1	18	12.3	154.0	300.0
11067	18 G 1	18	12.9	173.0	343.0
11068	20 G 1	18	13.8	192.0	375.0
11069	24 G 1	18	15.4	230.0	468.0
11070	25 G 1	18	15.4	240.0	485.0
11077	2 x 1.5	16	6.4	29.0	70.0
11078	3 G 1.5	16	6.8	43.0	90.0
11079	3 x 1.5	16	6.8	43.0	90.0
11080	4 G 1.5	16	7.6	58.0	109.0
11081	4 x 1.5	16	7.6	58.0	109.0
11082	5 G 1.5	16	8.3	72.0	131.0
11083	5 x 1.5	16	8.3	72.0	131.0
11084	6 G 1.5	16	9.2	86.4	157.0
11085	7 G 1.5	16	9.2	101.0	184.0
11086	7 x 1.5	16	9.2	101.0	184.0
11087	8 G 1.5	16	10.1	115.0	216.0
11088	11 G 1.5	16	12.0	158.0	300.0
11089	12 G 1.5	16	12.4	173.0	309.0
11090	14 G 1.5	16	13.0	202.0	345.0
11091	16 G 1.5	16	13.9	230.0	386.0
11092	18 G 1.5	16	14.8	259.0	440.0
11093	20 G 1.5	16	15.6	288.0	490.0
11094	25 G 1.5	16	17.6	360.0	620.0
11104	2 x 2.5	14	7.8	48.0	112.0
11105	3 G 2.5	14	8.3	72.0	148.0
11106	3 x 2.5	14	8.3	72.0	148.0
11107	4 G 2.5	14	9.2	96.0	178.0
11108	4 x 2.5	14	9.2	96.0	178.0
11109	5 G 2.5	14	10.1	120.0	221.0
11110	5 x 2.5	14	10.1	120.0	221.0
11111	6 G 2.5	14	11.2	144.0	293.0
11112	7 G 2.5	14	11.2	168.0	306.0

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