JZ-500-BLACK / OZ-500-BLACK

TECHNICAL DATA

PVC control and connection cable in alignment with DIN VDE 0285-525-2-51 / DIN EN 50525-2-51

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 DIN VDE 0293-334, black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, in the outer layer, x = without protective conductor (OZ)
- 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: black (RAL 9005)
- Length marking: in metres

PROPERTIES

- resistant to: UV radiation, weathering effects
- largely resistant to: oil, for details, see "Technical Information"
- for outdoor use
- 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
- UV-resistant acc. to DIN EN ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2
- certifications and approvals: EAC VDE-Reg.-No. 7032, valid for temperature range up to +70°C

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, as well as outdoors. May not be laid directly in soil or water. Used as a connection and control cable in machine and plant construction, in machine tools, production lines, assembly lines and conveyor belts.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
10340	2 x 0.5	20	4.8	9.6	40.0
10341	3 G 0.5	20	5.1	14.4	46.0
11630	3 x 0.5	20	5.1	14.4	46.0
10342	4 G 0.5	20	5.5	19.0	56.0
11631	4 x 0.5	20	5.5	19.0	56.0
10343	5 G 0.5	20	6.2	24.0	65.0
11632	5 x 0.5	20	6.2	24.0	65.0
10344	7 G 0.5	20	6.7	33.6	80.0
11633	7 x 0.5	20	6.7	33.6	80.0
10345	12 G 0.5	20	9.0	58.0	135.0
11634	12 x 0.5	20	9.0	58.0	135.0
10346	18 G 0.5	20	10.7	86.0	196.0
10347	25 G 0.5	20	12.6	120.0	270.0
10348	2 x 0.75	19	5.3	14.4	46.0
10349	3 G 0.75	19	5.6	21.6	54.0
11635	3 x 0.75	19	5.6	21.6	54.0
10350	4 G 0.75	19	6.3	28.8	66.0
11636	4 x 0.75	19	6.3	28.8	66.0
10351	5 G 0.75	19	6.9	36.0	80.0
11637	5 x 0.75	19	6.9	36.0	80.0
10352	7 G 0.75	19	7.7	50.0	110.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
11638	7 x 0.75	19	7.7	50.0	110.0
10353	12 G 0.75	19	10.0	86.0	179.0
11639	12 x 0.75	19	10.0	86.0	179.0
10354	18 G 0.75	19	12.2	130.0	257.0
10355	25 G 0.75	19	14.3	180.0	365.0
10356	2 x 1	18	5.6	19.2	60.0
10357	3 G 1	18	6.1	29.0	72.0
11640	3 x 1	18	6.1	29.0	72.0
10358	4 G 1	18	6.6	38.4	86.0
11641	4 x 1	18	6.6	38.4	86.0
10359	5 G 1	18	7.5	48.0	104.0
11642	5 x 1	18	7.5	48.0	104.0
10905	6 x 1	18	8.7	58.0	130.0
10360	7 G 1	18	8.1	67.0	141.0
11643	7 x 1	18	8.1	67.0	141.0
11007469	8 x 1	18	9.0	77.0	175.0
10906	10 G 1	18	10.4	96.0	226.0
10361	12 G 1	18	10.8	115.0	230.0
11644	12 x 1	18	10.8	115.0	230.0
10362	18 G 1	18	12.9	173.0	343.0
10363	25 G 1	18	15.4	240.0	485.0

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
10543	34 G 1	18	17.9	326.0	690.0
10364	2 x 1.5	16	6.4	29.0	70.0
10365	3 G 1.5	16	6.8	43.0	90.0
11645	3 x 1.5	16	6.8	43.0	90.0
10366	4 G 1.5	16	7.6	58.0	109.0
11646	4 x 1.5	16	7.6	58.0	109.0
10367	5 G 1.5	16	8.3	72.0	131.0
11647	5 x 1.5	16	8.3	72.0	131.0
10368	7 G 1.5	16	9.2	101.0	184.0
11648	7 x 1.5	16	9.2	101.0	184.0
10369	12 G 1.5	16	12.2	173.0	309.0
11649	12 x 1.5	16	12.2	173.0	309.0
10370	18 G 1.5	16	14.8	259.0	440.0
10371	25 G 1.5	16	17.6	360.0	620.0
10372	2 x 2.5	14	7.8	48.0	112.0
10373	3 G 2.5	14	8.3	72.0	148.0
11650	3 x 2.5	14	8.3	72.0	148.0
10374	4 G 2.5	14	9.2	96.0	178.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
11651	4 x 2.5	14	9.2	96.0	178.0
10375	5 G 2.5	14	10.1	120.0	221.0
11652	5 x 2.5	14	10.1	120.0	221.0
10376	7 G 2.5	14	11.2	168.0	306.0
11653	7 x 2.5	14	11.2	168.0	306.0
10377	12 G 2.5	14	15.1	288.0	498.0
11654	12 x 2.5	14	15.1	288.0	498.0
10378	18 G 2.5	14	18.2	432.0	764.0
10379	25 G 2.5	14	21.6	600.0	1044.0
10380	4 G 4	12	10.8	154.0	295.0
10381	5 G 4	12	12.1	192.0	361.0
10382	4 G 6	10	13.2	230.0	424.0
10383	5 G 6	10	14.7	288.0	525.0
10384	4 G 10	8	16.4	384.0	701.0
10388	5 G 10	8	18.3	480.0	909.0
10385	4 G 16	6	20.4	614.0	1035.0
10386	4 G 25	4	25.1	960.0	1582.0
10387	4 G 35	2	27.9	1344.0	2105.0