JZ-500 black flexible, meter marking

new

Technical data

- Control cables, special PVC
- adapted to DIN VDE 0281, 0293, 0295
- **Temperature range**
  flexing -15 °C[1] 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 MOhm x km
- **Minimum bending radius**
  flexing 7,5x cable ø
  fixed installation 4x cable ø
- **Radiation resistance**
  up to 80x10^6 cJ/kg (up to 80 Mrad)
- [1] cold bending test, impact resistance test at low temperatures, elongation test at low temperatures. Tested according VDE 0473 part 811-1-4, EN 60811-1-4

Cable structure

- Bare copper, fine wire conductors, according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Core insulation of special PVC Z 7225
- Black cores with continuous white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-lenght
- Outer sheath of special PVC, TM2 to DIN VDE 0281 part 1 and HD 21.1
- colour black (RAL 9005)
- with meter marking

Properties

- Extensively oil resistant, oil-/ chemical Resistance - see table Technical Informations
- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ 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
- **UV- resistant**

Note

- G = with green-yellow earth core;
  x = without green-yellow earth core (OZ).
- screened analogue type:
  JZ-500-C black, see page A 24

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 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.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No.cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10340	2 x 0,5	5,5	9,6	40,0	20
10341	3 G 0,5	5,8	14,4	46,0	20
10342	4 G 0,5	6,2	19,0	56,0	20
10343	5 G 0,5	6,9	24,0	65,0	20
10344	7 G 0,5	7,5	33,6	80,0	20
10345	12 G 0,5	9,8	58,0	135,0	20
10346	18 G 0,5	11,8	86,0	196,0	20
10347	25 G 0,5	13,7	120,0	270,0	20
10348	2 x 0,75	5,9	14,4	46,0	20
10349	3 G 0,75	6,2	21,6	54,0	20
10350	4 G 0,75	6,7	28,8	66,0	20
10351	5 G 0,75	7,5	36,0	80,0	20
10352	7 G 0,75	8,3	50,0	110,0	20
10353	12 G 0,75	10,8	86,0	179,0	20
10354	18 G 0,75	12,8	130,0	257,0	20
10355	25 G 0,75	15,1	180,0	365,0	20
10356	2 x 1	6,2	19,2	60,0	20
10357	3 G 1	6,5	29,0	72,0	20
10358	4 G 1	7,2	38,4	86,0	20
10359	5 G 1	7,9	48,0	104,0	20
10360	7 G 1	8,7	67,0	141,0	20
10361	12 G 1	11,4	115,0	230,0	20
10362	18 G 1	13,7	173,0	343,0	20
10363	25 G 1	16,2	240,0	485,0	20

Part no.	No.cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10364	2 x 1,5	7,0	29,0	70,0	20
10365	3 G 1,5	7,4	43,0	90,0	20
10366	4 G 1,5	8,2	58,0	109,0	20
10367	5 G 1,5	9,1	72,0	131,0	20
10368	7 G 1,5	9,8	101,0	184,0	20
10369	12 G 1,5	13,6	173,0	309,0	20
10370	18 G 1,5	15,6	259,0	440,0	20
10371	25 G 1,5	18,4	360,0	620,0	20
10372	2 x 2,5	8,4	48,0	112,0	20
10373	3 G 2,5	8,9	72,0	148,0	20
10374	4 G 2,5	9,8	96,0	178,0	20
10375	5 G 2,5	10,9	120,0	221,0	20
10376	7 G 2,5	12,0	168,0	306,0	20
10377	12 G 2,5	15,9	288,0	498,0	20
10378	18 G 2,5	19,0	432,0	764,0	20
10379	25 G 2,5	22,6	600,0	1044,0	20
10380	4 G 4	11,6	154,0	295,0	20
10381	5 G 4	12,9	192,0	361,0	20
10382	4 G 6	13,1	230,0	424,0	20
10383	5 G 6	14,5	288,0	525,0	20
10384	4 G 10	17,0	384,0	701,0	20
10385	4 G 16	20,9	614,0	1035,0	20
10386	4 G 25	25,6	960,0	1582,0	20
10387	4 G 35	30,0	1344,0	2105,0	20

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

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