

JZ-500 COLD flexible at low temperature, number coded, meter marking

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Technical data

- Control cables, special PVC
- Requirements adapted to DIN VDE 0281, 0293, 0295
- **Temperature range**
flexing -30 °C to +80 °C
fixed installation -40 °C to +80 °C
- **Nominal voltage** U_n/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 80x10⁶ cJ/kg (up to 80 Mrad)

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 Y14
- 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-length
- Cold flexible outer sheath of special PVC
- colour black (RAL 9005)
- with meter marking

Properties

- Extensively oil resistant, öl-/ 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

Note

- G = with green-yellow earth core;
x = without green-yellow earth core (OZ).

Application

This cold-flexible PVC hose cable is used under average stress for flexible applications with free movement, without tensile load and without forced motion guide in dry, moist, wet rooms and outside, as measuring and control cable at machine tools, conveyor belts and transport belts, production streets, in plant construction, in air condition construction and in refrigerated warehouses.

Selected PVC mixtures guarantee good flexibility, efficient and fast installation.

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

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.	Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10750	2 x 0,5	4,9	9,6	40,0	20	10774	2 x 1,5	6,4	29,0	70,0	16
10751	3 G 0,75	5,6	21,6	54,0	18	10775	3 G 1,5	6,8	43,0	90,0	16
10752	3 x 0,75	5,6	21,6	54,0	18	10776	3 x 1,5	6,8	43,0	90,0	16
10753	4 G 0,75	6,3	28,8	66,0	18	10777	4 G 1,5	7,4	58,0	109,0	16
10754	4 x 0,75	6,3	29,0	66,0	18	10778	4 x 1,5	7,4	58,0	109,0	16
10755	5 G 0,75	6,9	36,0	80,0	18	10779	5 G 1,5	8,3	72,0	131,0	16
10756	5 x 0,75	6,9	36,0	80,0	18	10780	5 x 1,5	8,3	72,0	131,0	16
10757	7 G 0,75	7,5	50,0	110,0	18	10781	6 G 1,5	9,2	86,0	157,0	16
10758	7 x 0,75	7,5	50,0	110,0	18	10782	7 G 1,5	9,2	101,0	184,0	16
10759	12 G 0,75	9,8	86,0	179,0	18	10783	7 x 1,5	9,2	101,0	184,0	16
10760	18 G 0,75	12,2	130,0	257,0	18	10784	12 G 1,5	12,0	173,0	309,0	16
10761	25 G 0,75	14,3	180,0	365,0	18	10785	18 G 1,5	14,6	259,0	440,0	16
10762	2 x 1	5,6	19,2	60,0	17	10786	25 G 1,5	17,4	360,0	620,0	16
10763	3 G 1	5,9	29,0	72,0	17	10787	2 x 2,5	7,8	48,0	112,0	14
10764	3 x 1	5,9	29,0	72,0	17	10788	3 G 2,5	8,3	72,0	148,0	14
10765	4 G 1	6,6	38,4	86,0	17	10789	3 x 2,5	8,3	72,0	148,0	14
10766	4 x 1	6,6	38,4	86,0	17	10790	4 G 2,5	9,2	96,0	178,0	14
10767	5 G 1	7,3	48,0	104,0	17	10791	4 x 2,5	9,2	96,0	178,0	14
10768	5 x 1	7,3	48,0	104,0	17	10792	5 G 2,5	10,1	120,0	221,0	14
10769	7 G 1	8,1	67,0	141,0	17	10793	5 x 2,5	10,1	120,0	221,0	14
10770	7 x 1	8,1	67,0	141,0	17	10794	7 G 2,5	11,2	168,0	306,0	14
10771	12 G 1	10,4	115,0	230,0	17	10795	7 x 2,5	11,2	168,0	306,0	14
10772	18 G 1	12,9	173,0	343,0	17	10796	4 G 6	13,0	230,0	424,0	10
10773	25 G 1	15,4	240,0	485,0	17	10797	5 G 6	14,5	288,0	525,0	10

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