JZ-500 COLD

flexible at low temperature, number coded, meter marking

Technical data

- Special-PVC control cable adapted to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51
- **Temperature range**
  flexing -30°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 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)

Cable structure

- Bare copper conductor, to DIN VDE 0295 cl.5, fine wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of special PVC compound type YI4
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay length
- Outer sheath of cold flexible special PVC
- Sheath colour: black (RAL 9005)
- With meter marking

Properties

- Extensively oil resistant, oil-/chemical resistance see "Technical Infromations"
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2 (equivalent DIN VDE 0472 part 804 test method B)

Note

- G = with GN-YE conductor
  x = without GN-YE conductor (OZ)
- AWG sizes are approximate equivalent values. The actual cross section is in mm².

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.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
10750	2 x 0,5	4,8	9,6	40,0	20
10751	3 G 0,75	5,6	21,6	54,0	19
10752	3 x 0,75	5,6	21,6	54,0	19
10753	4 G 0,75	6,3	28,8	66,0	19
10754	4 x 0,75	6,3	29,0	66,0	19
10755	5 G 0,75	6,9	36,0	80,0	19
10756	5 x 0,75	6,9	36,0	80,0	19
10757	7 G 0,75	7,5	50,0	110,0	19
10758	7 x 0,75	7,5	50,0	110,0	19
10759	12 G 0,75	9,8	86,0	179,0	19
10760	18 G 0,75	12,2	130,0	257,0	19
10761	25 G 0,75	14,3	180,0	365,0	19
10762	2 x 1	5,6	19,2	60,0	18
10763	3 G 1	5,9	29,0	72,0	18
10764	3 x 1	5,9	29,0	72,0	18
10765	4 G 1	6,6	38,4	86,0	18
10766	4 x 1	6,6	38,4	86,0	18
10767	5 G 1	7,3	48,0	104,0	18
10768	5 x 1	7,3	48,0	104,0	18
10769	7 G 1	8,1	67,0	141,0	18
10770	7 x 1	8,1	67,0	141,0	18
10771	12 G 1	10,4	115,0	230,0	18
10772	18 G 1	12,9	173,0	343,0	18
10773	25 G 1	15,4	240,0	485,0	18

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
10774	2 x 1,5	6,4	29,0	70,0	16
10775	3 G 1,5	6,8	43,0	90,0	16
10776	3 x 1,5	6,8	43,0	90,0	16
10777	4 G 1,5	7,4	58,0	109,0	16
10778	4 x 1,5	7,4	58,0	109,0	16
10779	5 G 1,5	8,3	72,0	131,0	16
10780	5 x 1,5	8,3	72,0	131,0	16
10781	6 G 1,5	9,2	86,0	157,0	16
10782	7 G 1,5	9,2	101,0	184,0	16
10783	7 x 1,5	9,2	101,0	184,0	16
10784	12 G 1,5	11,8	173,0	309,0	16
10785	18 G 1,5	14,6	259,0	440,0	16
10786	25 G 1,5	17,4	360,0	620,0	16
10787	2 x 2,5	7,8	48,0	112,0	14
10788	3 G 2,5	8,3	72,0	148,0	14
10789	3 x 2,5	8,3	72,0	148,0	14
10790	4 G 2,5	9,2	96,0	178,0	14
10791	4 x 2,5	9,2	96,0	178,0	14
10792	5 G 2,5	10,1	120,0	221,0	14
10793	5 x 2,5	10,1	120,0	221,0	14
10794	7 G 2,5	11,2	168,0	306,0	14
10795	7 x 2,5	11,2	168,0	306,0	14
10796	4 G 6	13,0	230,0	424,0	10
10797	5 G 6	14,5	288,0	525,0	10

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