

JZ-500

flexible, number coded, meter marking

Technical data

- PVC cable adapted to
DIN VDE 0285-525-2-51 /
DIN EN 50525-2-51
- **Temperature range**
flexing -15°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage**
4000 V
- **Breakdown voltage**
min. 8000 V
- **Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø

Cable structure

- Bare copper conductor, fine wire
acc. to DIN VDE 0295 cl.5 /
IEC 60228 cl.5
- Core insulation of PVC
compound type Z 7225
- 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 PVC
compound type TM2 to
DIN VDE 0207-363-4-1 /
DIN EN 50363-4-1
- Sheath colour: grey (RAL 7001)
- With meter marking

Properties

- Extensively oil resistant,
oil-/chemical resistance
see "Technical Information"
- Conditional drag chain compatible
- Conditional suitability for torsion
- 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

Note

- G = with GN-YE conductor
x = without GN-YE conductor (OZ)
- Please note "cleanroom qualified"
when ordering.
- AWG sizes are approximate equivalent
values. The actual cross section is in mm².
- Screened analogue type:

**F-CY-JZ,
F-CY-OZ (LiY-CY),
Y-CY-JB,
Y-CY-JZ**

Application

These cables are appropriate for flexible use with medium mechanical stresses, and free movement without tensile stress or forced movements in dry, moist and wet rooms but not open air. Suitable to be used as connecting and control cables in tool machines, conveyor belts, assembly lines, plant engineering, AC technology, steel production and other manufacturing environments. Selected PVC compounds guarantee good flexibility as well as an economic and fast installation.

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

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
10001	2 x 0,5	4,8	9,6	40,0	20
10002	3 G 0,5	5,1	14,4	46,0	20
10003	3 x 0,5	5,1	14,4	46,0	20
10004	4 G 0,5	5,5	19,0	56,0	20
10005	4 x 0,5	5,5	19,0	56,0	20
10006	5 G 0,5	6,2	24,0	65,0	20
10007	5 x 0,5	6,2	24,0	65,0	20
10008	6 G 0,5	6,7	29,0	75,0	20
10009	7 G 0,5	6,7	33,6	80,0	20
10010	7 x 0,5	6,7	33,6	80,0	20
10011	8 G 0,5	7,4	38,0	97,0	20
10172	8 x 0,5	7,4	38,0	97,0	20
10012	10 G 0,5	8,6	48,0	116,0	20
10013	12 G 0,5	9,1	58,0	135,0	20
10014	12 x 0,5	9,1	58,0	135,0	20
10015	14 G 0,5	9,5	67,0	150,0	20

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
10183	16 G 0,5	10,0	76,0	175,0	20
10016	18 G 0,5	10,7	86,0	196,0	20
10017	20 G 0,5	11,3	96,0	215,0	20
10018	21 G 0,5	11,3	101,0	240,0	20
10019	25 G 0,5	12,6	120,0	270,0	20
10020	30 G 0,5	13,5	144,0	310,0	20
10021	32 G 0,5	14,0	154,0	323,0	20
10022	34 G 0,5	14,7	163,0	362,0	20
10023	40 G 0,5	15,3	192,0	434,0	20
10024	42 G 0,5	15,8	202,0	449,0	20
10025	50 G 0,5	17,3	240,0	513,0	20
10169	52 G 0,5	17,3	252,0	534,0	20
10026	61 G 0,5	18,5	293,0	625,0	20
10027	65 G 0,5	19,2	312,0	682,0	20
10028	80 G 0,5	21,3	384,0	780,0	20
10029	100 G 0,5	23,8	480,0	980,0	20

Continuation ▶

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Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
10030	2 x 0,75	5,3	14,4	46,0	19
10031	3 G 0,75	5,6	21,6	54,0	19
10032	3 x 0,75	5,6	21,6	54,0	19
10033	4 G 0,75	6,3	28,8	66,0	19
10034	4 x 0,75	6,3	28,8	66,0	19
10035	5 G 0,75	6,9	36,0	80,0	19
10036	5 x 0,75	6,9	36,0	80,0	19
10037	6 G 0,75	7,7	43,0	99,0	19
10177	6 x 0,75	7,7	43,0	99,0	19
10038	7 G 0,75	7,7	50,0	110,0	19
10039	7 x 0,75	7,7	50,0	110,0	19
10040	8 G 0,75	8,3	58,0	130,0	19
10173	8 x 0,75	8,3	58,0	130,0	19
10041	9 G 0,75	9,1	65,0	153,0	19
10042	10 G 0,75	9,8	72,0	162,0	19
10043	12 G 0,75	10,1	86,0	179,0	19
10044	12 x 0,75	10,1	86,0	179,0	19
10045	14 G 0,75	10,8	101,0	214,0	19
10046	15 G 0,75	11,4	108,0	218,0	19
10047	18 G 0,75	12,2	130,0	257,0	19
10533	19 G 0,75	12,2	137,0	264,0	19
10048	20 G 0,75	12,8	144,0	286,0	19
10049	21 G 0,75	12,8	151,0	320,0	19
10050	25 G 0,75	14,3	180,0	365,0	19
10534	27 G 0,75	14,5	195,0	382,0	19
10051	32 G 0,75	15,9	230,0	455,0	19
10052	34 G 0,75	16,7	245,0	510,0	19
10182	37 G 0,75	16,7	266,0	537,0	19
10053	40 G 0,75	17,3	288,0	595,0	19
10054	41 G 0,75	18,1	296,0	607,0	19
10055	42 G 0,75	18,1	302,0	612,0	19
10056	50 G 0,75	19,8	360,0	735,0	19
10057	61 G 0,75	21,2	439,0	845,0	19
10178	65 G 0,75	22,0	468,0	895,0	19
10058	80 G 0,75	24,3	576,0	1070,0	19
10059	100 G 0,75	27,1	720,0	1322,0	19
10060	2 x 1	5,6	19,2	60,0	18
10061	3 G 1	6,1	29,0	72,0	18
10062	3 x 1	6,1	29,0	72,0	18
10063	4 G 1	6,6	38,0	86,0	18
10064	4 x 1	6,6	38,0	86,0	18
10065	5 G 1	7,5	48,0	104,0	18
10066	5 x 1	7,5	48,0	104,0	18
10067	6 G 1	8,1	58,0	125,0	18
10068	7 G 1	8,1	67,0	141,0	18
10069	7 x 1	8,1	67,0	141,0	18
10070	8 G 1	9,0	77,0	175,0	18
10071	9 G 1	9,8	86,0	200,0	18
10180	10 G 1	10,6	96,0	217,0	18
10170	10 x 1	10,6	96,0	217,0	18
10072	12 G 1	10,9	115,0	230,0	18
10073	12 x 1	10,9	115,0	230,0	18
10074	14 G 1	11,5	134,0	271,0	18
10075	16 G 1	12,3	154,0	300,0	18
10076	18 G 1	12,9	173,0	343,0	18
10174	18 x 1	12,9	173,0	343,0	18
10197	19 G 1	12,9	182,0	355,0	18
10077	20 G 1	13,8	192,0	375,0	18
10184	20 x 1	13,8	192,0	375,0	18
10179	21 G 1	13,8	205,0	420,0	18
10175	24 G 1	15,4	230,0	440,0	18
10078	25 G 1	15,4	240,0	485,0	18
10176	25 x 1	15,4	240,0	485,0	18
10196	26 G 1	15,4	252,0	500,0	18
10198	27 G 1	15,4	259,0	534,0	18
10168	30 x 1	16,5	288,0	550,0	18
10079	34 G 1	17,9	326,0	650,0	18
10080	36 G 1	17,9	346,0	668,0	18
10199	37 G 1	17,9	355,0	701,0	18
10081	40 G 1	18,6	384,0	755,0	18
10167	40 x 1	18,6	384,0	755,0	18
10082	41 G 1	19,4	394,0	770,0	18
10083	42 G 1	19,4	403,0	810,0	18
10084	50 G 1	21,3	480,0	936,0	18
10085	56 G 1	22,1	538,0	920,0	18
10086	61 G 1	22,7	586,0	1100,0	18
10087	65 G 1	23,6	628,0	1180,0	18
10088	80 G 1	26,3	768,0	1294,0	18
10089	100 G 1	29,3	960,0	1644,0	18
10090	2 x 1,5	6,4	29,0	70,0	16
10091	3 G 1,5	6,8	43,0	90,0	16
10092	3 x 1,5	6,8	43,0	90,0	16
10093	4 G 1,5	7,6	58,0	109,0	16
10094	4 x 1,5	7,6	58,0	109,0	16
10095	5 G 1,5	8,3	72,0	131,0	16
10096	5 x 1,5	8,3	72,0	131,0	16
10097	6 G 1,5	9,2	86,0	157,0	16
10098	7 G 1,5	9,2	101,0	184,0	16

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
10099	7 x 1,5	9,2	101,0	184,0	16
10100	8 G 1,5	10,1	115,0	216,0	16
11007735	8 x 1,5	10,1	115,0	216,0	16
10101	9 G 1,5	11,1	129,0	259,0	16
10181	10 G 1,5	12,0	144,0	275,0	16
10102	11 G 1,5	12,0	158,0	300,0	16
10103	12 G 1,5	12,4	173,0	309,0	16
10104	12 x 1,5	12,4	173,0	309,0	16
10105	14 G 1,5	13,0	202,0	345,0	16
10106	16 G 1,5	13,9	230,0	386,0	16
10107	18 G 1,5	14,8	259,0	440,0	16
10185	19 G 1,5	14,8	279,0	445,0	16
10108	20 G 1,5	15,6	288,0	490,0	16
10109	21 G 1,5	15,6	302,0	555,0	16
10110	25 G 1,5	17,6	360,0	620,0	16
10535	27 G 1,5	17,6	389,0	670,0	16
10111	32 G 1,5	19,5	461,0	790,0	16
10112	34 G 1,5	20,2	490,0	830,0	16
10536	37 G 1,5	20,2	533,0	892,0	16
10113	41 G 1,5	22,1	591,0	996,0	16
10114	42 G 1,5	22,1	605,0	1007,0	16
10115	50 G 1,5	24,2	720,0	1250,0	16
10116	56 G 1,5	25,1	806,0	1332,0	16
10117	61 G 1,5	25,8	878,0	1440,0	16
10187	65 G 1,5	26,9	936,0	1602,0	16
10118	80 G 1,5	29,8	1152,0	1871,0	16
10119	100 G 1,5	33,2	1440,0	2353,0	16
10120	2 x 2,5	7,8	48,0	112,0	14
10121	3 G 2,5	8,3	72,0	148,0	14
10122	3 x 2,5	8,3	72,0	148,0	14
10123	4 G 2,5	9,2	96,0	178,0	14
10124	4 x 2,5	9,2	96,0	178,0	14
10125	5 G 2,5	10,1	120,0	221,0	14
10126	5 x 2,5	10,1	120,0	221,0	14
10127	7 G 2,5	11,2	168,0	306,0	14
10128	7 x 2,5	11,2	168,0	306,0	14
10129	8 G 2,5	12,3	192,0	363,0	14
11007736	8 x 2,5	12,3	192,0	363,0	14
10548	10 G 2,5	14,8	240,0	429,0	14
10130	12 G 2,5	15,3	288,0	498,0	14
10131	14 G 2,5	16,2	336,0	569,0	14
10132	18 G 2,5	18,2	432,0	764,0	14
10133	21 G 2,5	19,4	504,0	914,0	14
10134	25 G 2,5	21,6	600,0	1044,0	14
10135	34 G 2,5	25,2	816,0	1470,0	14
10136	42 G 2,5	27,3	1008,0	1790,0	14
10137	50 G 2,5	30,0	1200,0	2095,0	14
10138	61 G 2,5	32,2	1464,0	2750,0	14
10139	100 G 2,5	41,4	2400,0	4450,0	14
10140	2 x 4	9,2	77,0	195,0	12
10141	3 G 4	9,7	115,0	230,0	12
10142	4 G 4	10,8	154,0	295,0	12
10143	5 G 4	12,1	192,0	361,0	12
10144	7 G 4	13,4	269,0	458,0	12
10145	8 G 4	14,7	307,0	590,0	12
10549	10 G 4	17,6	384,0	687,0	12
10146	12 G 4	18,2	461,0	790,0	12
10147	3 G 6	11,9	173,0	355,0	10
10148	4 G 6	13,2	230,0	424,0	10
10149	5 G 6	14,7	288,0	525,0	10
10150	7 G 6	16,2	403,0	625,0	10
10151	3 G 10	14,8	288,0	540,0	8
10152	4 G 10	16,4	384,0	701,0	8
10153	5 G 10	18,3	480,0	858,0	8
10154	7 G 10	20,2	672,0	1106,0	8
10190	3 G 16	18,4	461,0	827,0	6
10155	4 G 16	20,4	614,0	1035,0	6
10156	5 G 16	22,8	768,0	1259,0	6
10157	7 G 16	25,2	1075,0	1780,0	6
10191	3 G 25	22,4	720,0	1186,0	4
10158	4 G 25	25,1	960,0	1582,0	4
10159	5 G 25	27,9	1200,0	1999,0	4
10160	7 G 25	30,8	1680,0	2825,0	4
10192	3 G 35	25,2	1008,0	1585,0	2
10161	4 G 35	27,9	1344,0	2105,0	2
10162	5 G 35	31,0	1680,0	2633,0	2
10193	3 G 50	29,9	1440,0	2550,0	1
10163	4 G 50	33,0	1920,0	2940,0	1
10188	5 G 50	37,0	2400,0	2936,0	1
10194	3 G 70	34,1	2016,0	3180,0	2/0
10164	4 G 70	37,9	2688,0	4090,0	2/0
10189	5 G 70	42,4	3360,0	5443,0	2/0
10195	3 G 95	39,6	2736,0	4680,0	3/0
10165	4 G 95	43,9	3648,0	5540,0	3/0
10333	5 G 95	49,0	4560,0	6931,0	3/0
10166	4 G 120	48,8	4608,0	7000,0	4/0
13139	4 G 150	54,4	5760,0	8340,0	300 kcmil
13140	4 G 185	62,3	7104,0	9904,0	350 kcmil

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