

	  	Adapted to DIN VDE 285, DIN EN 50525
		PVC insulated and PVC sheathed flexible control cable

Construction:

Conductors:	annealed copper flexible conductor, class 5 acc. to DIN VDE 0295
Insulation:	special PVC compound
Core identification:	-JZ: one core green-yellow, all other cores black with continuous white numbering to DIN VDE 0293 -OZ: all cores black with continuous white numbering to DIN VDE 0293 -JB: one core green yellow, all other cores coloured acc. Voltrim JB/OB colour code -OB: all cores colours acc. acc. Voltrim JB/OB colour code
Outer sheath:	special PVC compound
Colour of outer sheath:	grey RAL 7001

Characteristic:

Nominal Voltage:	300/500 V
Test voltage 50Hz:	4000 V
Temperature range:	flexing: -15°C to +80°C fixed: -40°C to +80°C
Minimum bending radius:	free movement: 7,5 x cable Ø fixed installation: 4 x cable Ø
Flame propagation:	acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
Standard length cable packing:	500 m or 1000 m on drums. Other forms of packing and delivery are available on request.

Application:

Cables are used as measuring and control cables in tool machines, in the machinery and tool-making industries in conveyor belts and similar applications. The cables are suitable for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not for open air.

Number and nominal cross-sectional area of conductors	Approximate overall diameter	Approximate net weight of copper	Approximate net weight of cables
n x mm ²	mm	kg/km	kg/km
2 x 0.5	4,8	9,6	40,0
3 x 0.5	5,1	14,4	46,0
4 x 0.5	5,5	19,0	56,0
5 x 0.5	6,2	24,0	65,0
6 x 0.5	6,7	29,0	75,0
7 x 0.5	6,7	33,6	80,0
8 x 0.5	7,4	38,0	97,0
10 x 0.5	8,3	48,0	116,0

12	x	0.5	8,7	58,0	135,0
14	x	0.5	9,5	67,0	150,0
16	x	0.5	10,0	76,0	175,0
18	x	0.5	10,7	86,0	196,0
20	x	0.5	11,3	96,0	215,0
25	x	0.5	12,6	120,0	270,0
30	x	0.5	13,5	144,0	310,0
32	x	0.5	14,0	154,0	323,0
34	x	0.5	14,3	163,0	362,0
2	x	0.75	5,3	14,4	46,0
3	x	0.75	5,6	21,6	54,0
4	x	0.75	6,3	29,0	66,0
5	x	0.75	6,9	36,0	80,0
6	x	0.75	7,5	43,0	99,0
7	x	0.75	7,5	50,0	110,0
9	x	0.75	8,9	65,0	153,0
10	x	0.75	9,2	72,0	162,0
12	x	0.75	9,8	86,0	179,0
14	x	0.75	10,6	101,0	214,0
15	x	0.75	11,4	108,0	218,0
18	x	0.75	12,2	130,0	257,0
19	x	0.75	12,7	137,0	264,0
20	x	0.75	12,7	144,0	286,0
25	x	0.75	14,3	180,0	365,0
27	x	0.75	14,6	195,0	382,0
32	x	0.75	15,9	230,0	455,0
34	x	0.75	16,5	245,0	510,0
37	x	0.75	16,7	266,0	537,0
2	x	1	5,6	19,2	60,0
3	x	1	5,9	29,0	72,0
4	x	1	6,6	38,4	86,0
5	x	1	7,3	48,0	104,0
6	x	1	8,1	58,0	125,0
7	x	1	8,1	67,0	141,0
8	x	1	8,8	77,0	175,0
9	x	1	9,7	86,0	200,0
10	x	1	9,8	96,0	217,0
12	x	1	10,4	115,0	230,0
14	x	1	11,4	134,0	271,0
16	x	1	12,3	154,0	300,0
18	x	1	12,9	173,0	343,0
19	x	1	12,9	182,0	355,0
20	x	1	13,8	192,0	375,0
24	x	1	15,1	230,0	440,0
25	x	1	15,4	240,0	485,0
26	x	1	15,5	252,0	500,0
27	x	1	15,6	259,0	534,0
30	x	1	16,4	308,0	550,0
34	x	1	17,7	326,0	650,0
36	x	1	17,9	346,0	668,0
37	x	1	17,9	355,0	701,0
40	x	1	18,5	384,0	755,0
2	x	1.5	6,4	29,0	70,0
3	x	1.5	6,8	43,0	90,0
4	x	1.5	7,4	58,0	109,0
5	x	1.5	8,3	72,0	131,0
6	x	1.5	9,2	86,0	157,0
7	x	1.5	9,2	101,0	184,0
8	x	1.5	10,0	115,0	216,0
9	x	1.5	10,9	129,0	259,0
10	x	1.5	10,9	144,0	275,0
11	x	1.5	11,6	158,0	300,0
12	x	1.5	11,8	173,0	309,0
14	x	1.5	13,0	202,0	345,0
16	x	1.5	13,9	230,0	386,0

18	x	1.5	14,6	259,0	440,0
19	x	1.5	14,6	279,0	445,0
20	x	1.5	15,6	288,0	490,0
21	x	1.5	15,6	302,0	555,0
25	x	1.5	17,4	360,0	620,0
27	x	1.5	17,5	389,0	670,0
32	x	1.5	19,5	461,0	790,0
34	x	1.5	20,0	490,0	830,0
37	x	1.5	20,2	533,0	892,0
2	x	2.5	7,8	48,0	112,0
3	x	2.5	8,3	72,0	148,0
4	x	2.5	9,2	96,0	178,0
5	x	2.5	10,1	120,0	221,0
7	x	2.5	11,2	168,0	306,0
8	x	2.5	12,3	192,0	363,0
10	x	2.5	14,1	240,0	429,0
12	x	2.5	14,8	288,0	498,0
14	x	2.5	16,0	336,0	569,0
18	x	2.5	18,2	432,0	764,0
21	x	2.5	19,2	504,0	914,0
25	x	2.5	21,6	600,0	1044,0
34	x	2.5	24,8	816,0	1470,0
2	x	4	9,2	77,0	195,0
3	x	4	9,8	115,0	230,0
4	x	4	10,9	154,0	295,0
5	x	4	12,1	192,0	361,0
7	x	4	13,2	269,0	458,0
8	x	4	14,7	307,0	590,0
10	x	4	16,8	384,0	687,0
12	x	4	17,7	461,0	790,0
3	x	6	11,9	173,0	355,0
4	x	6	13,0	230,0	424,0
5	x	6	14,5	288,0	525,0
7	x	6	16,2	403,0	625,0
3	x	10	14,9	288,0	540,0
4	x	10	16,5	384,0	701,0
5	x	10	18,3	480,0	858,0
7	x	10	20,2	672,0	1106,0
3	x	16	18,3	461,0	827,0
4	x	16	20,1	614,0	1035,0
5	x	16	22,6	768,0	1259,0
7	x	16	24,8	1075,0	1780,0
3	x	25	22,3	720,0	1186,0
4	x	25	25,0	960,0	1582,0
5	x	25	27,7	1200,0	1999,0
7	x	25	30,6	1680,0	2825,0
3	x	35	25,9	1008,0	1585,0
4	x	35	28,7	1344,0	2105,0
5	x	35	31,9	1680,0	2633,0
3	x	50	30,8	1440,0	2550,0
4	x	50	34,1	1920,0	2940,0
5	x	50	38,1	2400,0	2936,0
3	x	70	36,4	2016,0	3180,0
4	x	70	40,2	2688,0	4090,0
5	x	70	44,7	3360,0	5443,0
3	x	95	41,3	2736,0	4680,0