

	  	Adapted to DIN VDE 285, DIN EN 50525
		PVC insulated and PVC sheathed screened 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
Taping and screening:	stranding wrapped in polyester foil, special aluminium/polyester foil and tinned copper braided screen (approx. 85% coverage)
Outer sheath:	special PVC compound
Colour of outer sheath:	grey RAL 7001

Characteristic:	
Nominal Voltage:	300/500 V
Test voltage 50Hz:	core/core: 4000 V core/screen: 2000 V
Temperature range:	flexing: -10°C to +80°C fixed: -40°C to +80°C
Minimum bending radius:	free movement: 10 x cable Ø fixed installation: 5 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:
For use as a data cable in control circuits in industrial installations as well as in electronics as a signal line. The insulating foil allows a significant reduction in the outer diameter of the wire and its weight.

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	5,7	35,0	45,0
3 x 0,5	5,9	42,0	55,0
4 x 0,5	6,4	47,0	61,0
5 x 0,5	6,9	56,0	74,0
6 x 0,5	7,6	67,0	89,0
7 x 0,5	7,6	69,0	98,0
8 x 0,5	8,1	80,0	117,0
10 x 0,5	9,6	94,0	135,0

12	x	0,5	9,7	108,0	157,0
14	x	0,5	10,2	116,0	190,0
16	x	0,5	11,0	129,0	210,0
18	x	0,5	11,5	145,0	217,0
20	x	0,5	12,3	172,0	240,0
21	x	0,5	12,3	188,0	250,0
24	x	0,5	13,6	235,0	300,0
25	x	0,5	13,7	240,0	314,0
30	x	0,5	14,4	295,0	360,0
32	x	0,5	14,9	301,0	425,0
34	x	0,5	15,6	312,0	433,0
36	x	0,5	15,6	318,0	446,0
2	x	0,75	6,1	40,0	59,0
3	x	0,75	6,3	52,0	66,0
4	x	0,75	6,8	60,0	77,0
5	x	0,75	7,4	71,0	93,0
6	x	0,75	8,2	80,0	113,0
7	x	0,75	8,2	91,0	130,0
8	x	0,75	9,0	110,0	145,0
10	x	0,75	10,3	137,0	180,0
12	x	0,75	10,5	142,0	202,0
14	x	0,75	11,3	180,0	225,0
16	x	0,75	11,9	200,0	275,0
18	x	0,75	12,7	212,0	292,0
19	x	0,75	12,7	230,0	308,0
20	x	0,75	13,6	238,0	320,0
21	x	0,75	13,6	246,0	378,0
24	x	0,75	14,9	270,0	435,0
25	x	0,75	15,0	281,0	435,0
27	x	0,75	15,0	304,0	435,0
30	x	0,75	16,0	320,0	450,0
32	x	0,75	16,7	342,0	484,0
34	x	0,75	17,2	345,0	502,0
36	x	0,75	17,4	350,0	535,0
37	x	0,75	17,4	361,0	592,0
2	x	1	6,4	50,0	65,0
3	x	1	6,7	60,0	81,0
4	x	1	7,2	71,0	98,0
5	x	1	8,0	88,0	127,0
6	x	1	8,7	97,0	144,0
7	x	1	8,7	111,0	158,0
8	x	1	9,6	127,0	197,0
10	x	1	11,2	150,0	232,0
12	x	1	11,4	184,0	260,0
14	x	1	12,0	196,0	302,0
16	x	1	12,8	209,0	345,0
18	x	1	13,6	260,0	380,0
19	x	1	13,6	280,0	412,0
20	x	1	14,3	317,0	440,0
24	x	1	16,0	320,0	493,0
25	x	1	16,2	349,0	534,0
27	x	1	16,4	400,0	562,0
28	x	1	17,0	408,0	595,0
30	x	1	17,6	441,0	616,0
34	x	1	18,5	486,0	741,0
2	x	1,5	7,0	63,0	88,0
3	x	1,5	7,4	80,0	100,0
4	x	1,5	8,1	97,0	126,0
5	x	1,5	9,0	119,0	160,0
7	x	1,5	9,8	147,0	208,0
8	x	1,5	10,8	170,0	244,0
10	x	1,5	12,6	193,0	316,0
12	x	1,5	12,8	267,0	338,0
14	x	1,5	13,5	283,0	383,0
16	x	1,5	14,6	315,0	424,0
18	x	1,5	15,6	374,0	479,0
19	x	1,5	15,6	386,0	508,0

20	x	1,5	16,6	396,0	545,0
24	x	1,5	18,1	458,0	690,0
25	x	1,5	18,4	526,0	705,0
27	x	1,5	18,5	531,0	774,0
28	x	1,5	19,6	541,0	810,0
30	x	1,5	19,6	555,0	830,0
35	x	1,5	21,4	645,0	890,0
37	x	1,5	21,4	674,0	945,0
2	x	2,5	8,4	96,0	130,0
3	x	2,5	8,8	144,0	167,0
4	x	2,5	9,8	148,0	195,0
5	x	2,5	10,8	181,0	223,0
7	x	2,5	11,9	255,0	344,0
12	x	2,5	15,8	441,0	570,0
18	x	2,5	19,0	570,0	681,0
2	x	4	10,0	120,0	185,0
3	x	4	10,6	174,0	240,0
4	x	4	11,6	230,0	310,0
5	x	4	12,8	273,0	385,0
7	x	4	14,2	316,0	500,0
2	x	6	11,7	173,0	268,0
3	x	6	12,5	240,0	330,0
4	x	6	13,8	305,0	415,0
5	x	6	15,4	439,0	509,0
7	x	6	17,0	505,0	672,0
2	x	10	14,5	255,0	425,0
3	x	10	15,6	350,0	500,0
4	x	10	17,2	535,0	783,0
5	x	10	19,1	592,0	856,0
7	x	10	21,2	810,0	1305,0