PURÖ-JZ, -OZ







Adapted to DIN VDE 285, DIN EN 50525





PVC insulated and fullpolyurethane sheathed, oilresistant flexible control cable

Construction:			
Conductors:	annealed copper flexible conductor, class 5 acc. to DIN VDE 0295		
Insulation:	special oil-resistant 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 		
Outer sheath:	special full-polyurethane		
Colour of outer sheath:	grey RAL 7001 (available in other colours)		

Characteristic:				
Nominal Voltage:	300/500 V			
Test voltage 50Hz:	4000 V			
Temperature range:	flexing: -20°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:

Extremely robust control cable with high abrasion and tear resistant properties. Due to its high resistance coolant emultions, it is especially suited for use in the machine, tool making and plant industries as well as in steel industry for difficult and problematic areas. The high flexibility of this cable makes it quick and easy to install. Suitable for outdoor lying. UV, Oxygene, Ozone and hydrolysis, microbes resistant.

Number and nominal cross- sectional area of conductors n x mm ²		irea	Approximate overall diameter	Approximate net weight of copper	Approximate net weight of cables
		1 ²	mm	kg/km	kg/km
2	Х	0.5	4,8	9,6	45,0
3	Х	0.5	5,1	14,4	55,0
4	Х	0.5	5,5	19,0	65,0
5	Х	0.5	6,2	24,0	75,0
7	Х	0.5	6,7	33,6	90,0
8	Х	0.5	7,4	38,0	105,0
10	Х	0.5	8,3	48,0	120,0
12	Х	0.5	8,7	58,0	135,0
14	Х	0.5	9,5	67,0	170,0

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18	Х	0.5	10,7	86,0	205,0
21	Χ	0.5	11,3	96,0	225,0
25	Х	0.5	12,6	120,0	270,0
30	Х	0.5	13,5	144,0	315,0
34	Х	0.5	14,3	163,0	380,0
34	^	0.5	14,5	103,0	300,0
2		0.75	5,3	14,4	44,0
	Χ				
3	Х	0.75	5,6	21,6	53,0
4		0.75	6,3		
	Х			29,0	64,0
5	Х	0.75	6,9	36,0	76,0
7			7.5		
	Х	0.75	7,5	50,0	96,0
8	Х	0.75	8,3	58,0	111,0
10	Χ	0.75	9,2	72,0	140,0
12	Х	0.75	9,8	86,0	170,0
14	Χ	0.75	10,6	101,0	202,0
18	Х	0.75	12,2	130,0	260,0
21	Х	0.75	12,7	151,0	269,0
25	Х	0.75	14,3	180,0	282,0
30	Х	0.75	15,3	216,0	400,0
34	Х	0.75	16,5	245,0	475,0
34	۸	0.73	10,5	240,0	475,0
2		4	E C	40.0	E2.0
	Χ	1	5,6	19,0	53,0
3	Х	1	5,9	29,0	63,0
			0,0		
4	Χ	1	6,6	38,0	75,0
5	Х	1	7,3	48,0	89,0
7	Х	1	8,1	67,0	115,0
8	Х	1	8,8	77,0	131,0
			0,0		
10	Х	1	9,8	96,0	166,0
12	Х	1	10,4	115,0	201,0
14	Х	1	11,4	134,0	230,0
18		1	12,9		
	Х			173,0	289,0
		4	454	240.0	200.0
25	Х	1	15.4	Z4U.U	300.0
25	Х	1	15,4	240,0	380,0
32	Х	1	17,1	308,0	620,0
32	Х	1	17,1	308,0	620,0
32	Х	1	17,1	308,0	620,0
32 34	X X	1	17,1 17,7	308,0 326,0	620,0 645,0
32 34 2	X X	1 1 1.5	17,1 17,7 6,4	308,0 326,0 29,0	620,0 645,0 68,0
32 34	X X	1	17,1 17,7 6,4	308,0 326,0	620,0 645,0
32 34 2 3	X X X	1 1 1.5 1.5	17,1 17,7 6,4 6,8	308,0 326,0 29,0 43,0	620,0 645,0 68,0 87,0
32 34 2 3 4	X X X X	1 1 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4	308,0 326,0 29,0 43,0 58,0	620,0 645,0 68,0 87,0 106,0
32 34 2 3	X X X	1 1 1.5 1.5	17,1 17,7 6,4 6,8 7,4	308,0 326,0 29,0 43,0 58,0	620,0 645,0 68,0 87,0 106,0
32 34 2 3 4 5	x x x x x x	1 1 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3	308,0 326,0 29,0 43,0 58,0 72,0	620,0 645,0 68,0 87,0 106,0 131,0
32 34 2 3 4 5 7	X X X X X X	1 1.5 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3 9,2	308,0 326,0 29,0 43,0 58,0 72,0 101,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0
32 34 2 3 4 5	x x x x x x	1 1 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3	308,0 326,0 29,0 43,0 58,0 72,0	620,0 645,0 68,0 87,0 106,0 131,0
32 34 2 3 4 5 7 8	x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0
32 34 2 3 4 5 7 8	x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0
32 34 2 3 4 5 7 8	x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0
32 34 2 3 4 5 7 8 10	x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0
32 34 2 3 4 5 7 8 10 12	x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0
32 34 2 3 4 5 7 8 10	x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0
32 34 2 3 4 5 7 8 10 12 14	x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0
32 34 2 3 4 5 7 8 10 12 14 18 25	x x x x x x x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0
32 34 2 3 4 5 7 8 10 12 14	x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0
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32 34 2 3 4 5 7 8 10 12 14 18 25 34	x x x x x x x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4 20,0	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0 490,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0 945,0
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32 34 2 3 4 5 7 8 10 12 14 18 25 34 2 3	x x x x x x x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4 20,0	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0 490,0 48,0 72,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0 945,0
32 34 2 3 4 5 7 8 10 12 14 18 25 34 2 3 4	X X X X X X X X X X X X X X X X X X X	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4 20,0 7,8 8,3 9,2	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0 490,0 48,0 72,0 96,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0 945,0 110,0 146,0 183,0
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32 34 2 3 4 5 7 8 10 12 14 18 25 34 2 3 4 5	x x x x x x x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4 20,0 7,8 8,3 9,2 10,1 11,2	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0 490,0 48,0 72,0 96,0 120,0 168,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0 945,0 110,0 146,0 183,0 222,0 293,0
32 34 2 3 4 5 7 8 10 12 14 18 25 34 2 3 4 5 7	x x x x x x x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4 20,0 7,8 8,3 9,2 10,1 11,2 14,8	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0 490,0 48,0 72,0 96,0 120,0 168,0 288,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0 945,0 110,0 146,0 183,0 222,0 293,0 512,0
32 34 2 3 4 5 7 8 10 12 14 18 25 34 2 3 4 5 7	x x x x x x x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4 20,0 7,8 8,3 9,2 10,1 11,2 14,8	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0 490,0 48,0 72,0 96,0 120,0 168,0 288,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0 945,0 110,0 146,0 183,0 222,0 293,0 512,0
32 34 2 3 4 5 7 8 10 12 14 18 25 34 2 3 4 5 7 18	x x x x x x x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4 20,0 7,8 8,3 9,2 10,1 11,2 14,8 18,2	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0 490,0 48,0 72,0 96,0 120,0 168,0 288,0 432,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0 945,0 110,0 146,0 183,0 222,0 293,0 512,0 740,0
32 34 2 3 4 5 7 8 10 12 14 18 25 34 2 3 4 5 7	x x x x x x x x x x x x x x x x x x x	1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	17,1 17,7 6,4 6,8 7,4 8,3 9,2 10,0 10,9 11,8 13,0 14,6 17,4 20,0 7,8 8,3 9,2 10,1 11,2 14,8	308,0 326,0 29,0 43,0 58,0 72,0 101,0 115,0 144,0 173,0 202,0 259,0 360,0 490,0 48,0 72,0 96,0 120,0 168,0 288,0	620,0 645,0 68,0 87,0 106,0 131,0 173,0 199,0 245,0 293,0 347,0 454,0 641,0 945,0 110,0 146,0 183,0 222,0 293,0 512,0
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