FLEX-CY-JZ, -OZ

voltrim

Adapted to DIN VDE 0285, DIN EN 50525

PVC insulated and oil-resistant PVC sheathed extremely flexible copper screened control cable

Construction:

Conductors:	annealed copper flexible conductor, class 6 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 PVC fleece and tinned copper wire screen (min. 85% coverage)
Outer sheath:	special oil-resistant PVC compound
Colour of outer sheath:	grey RAL 7001

Characteristic:

Nominal Voltage:	300/500 V
Test voltage 50Hz:	4000 V
Temperature range:	flexing: -10°C to +80°C fixed: -40°C to +80°C
Minimum bending radius:	free movement: 7,5 x cable ∅ fixed installation: 4 x cable ∅
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 flexible wires used in machine industry, robotics, manufacturing and other applications where extreme flexibility is required. For laying in cable trays. Can be used with medium mechanical stresses with free movement without tensile stress. Copper shielding provides increased electromagnetic compatibility and signal transmission without interference.

Number and nominal cross-sectional area of conductors	Approximate overall diameter	Approximate net weight of copper	Approximate net weight of cables
n x mm²	**mm**	**kg/km**	**kg/km**
2 x 0,5	7,2	30,0	90,0
3 x 0,5	7,5	38,0	115,0
4 x 0,5	8,1	48,0	140,0
5 x 0,5	8,6	64,0	168,0
7 x 0,5	9,9	70,0	217,0
12 x 0,5	11,6	100,0	274,0
14 x 0,5	12,2	135,0	332,0
16 x 0,5	13,0	145,0	388,0
18 x 0,5	13,8	154,0	445,0
20 x 0,5	14,3	160,0	497,0

21	x	0,5	14,8	175,0	500,0
25	x	0,5	16,1	240,0	505,0
30	x	0,5	16,6	280,0	515,0
34	x	0,5	17,7	290,0	530,0
36	x	0,5	17,7	300,0	572,0
2	x	0,75	7,6	39,0	105,0
3	x	0,75	8,1	49,0	128,0
4	x	0,75	8,6	60,0	184,0
5	x	0,75	9,4	70,0	200,0
7	x	0,75	10,5	95,0	269,0
10	x	0,75	12,6	110,0	327,0
12	x	0,75	12,9	140,0	366,0
14	x	0,75	13,4	163,0	426,0
16	x	0,75	14,2	187,0	487,0
18	x	0,75	14,8	211,0	547,0
20	x	0,75	15,5	216,0	551,0
21	x	0,75	16,2	272,0	590,0
25	x	0,75	17,7	322,0	600,0
30	x	0,75	18,2	414,0	650,0
34	x	0,75	19,8	473,0	685,0
36	x	0,75	19,8	500,0	720,0
2	x	1	8,1	50,0	115,0
3	x	1	8,4	60,0	142,0
4	x	1	9,0	73,0	196,0
5	x	1	9,8	81,0	271,0
7	x	1	11,2	114,0	307,0
12	x	1	13,4	186,0	474,0
18	x	1	15,7	254,0	622,0
25	x	1	19,0	365,0	828,0
34	x	1	21,0	500,0	1049,0
2	x	1,5	8,6	64,0	170,0
3	x	1,5	9,0	84,0	203,0
4	x	1,5	9,8	99,0	243,0
5	x	1,5	10,5	120,0	288,0
7	x	1,5	12,5	148,0	403,0
12	x	1,5	14,8	274,0	592,0
18	x	1,5	17,3	386,0	844,0
25	x	1,5	21,0	584,0	1155,0
3	x	2,5	10,8	140,0	215,0
4	x	2,5	11,5	159,0	264,0
5	x	2,5	12,9	194,0	344,0
7	x	2,5	15,1	234,0	410,0
12	x	2,5	18,4	390,0	721,0
3	x	4	13,0	178,0	292,0
4	x	4	14,2	222,0	372,0
5	x	4	15,6	328,0	448,0
4	x	6	16,0	305,0	526,0
5	x	6	17,5	441,0	632,0
4	x	10	21,2	485,0	838,0
5	x	10	23,2	610,0	998,0
4	x	16	24,1	840,0	1225,0
5	x	16	27,0	1050,0	1560,0