



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, TI2 type (EN 50363-3)
Core Identification	JZ: Black cores with a green yellow core OZ: Black cores without a green yellow core
Sheath	PVC compound, TM2 type (EN 50363-4-1)
Color	Grey

MAIN CHARACTERISTICS

Construction	Based on EN 50525-2-11 and BA 14112019
General Requirements	EN 50525-1/2, VDE 0245-201, EN 50575
Guide to Use	EN 50565-1/2, TSE K 373
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2

OPERATING CHARACTERISTICS

Rated Voltage	300/500 V (U ₀ /U)
AC Test Voltage	2 kV
Working Temperature	
<i>In Flexing Use</i>	-5°C to +70°C
<i>In Fixed Use</i>	-30°C to +70°C
Conductor Short-Circuit Temp.	150°C (Max. 5 sec)
Min. Installation Temp.	-5 °C
Min. Bending Radius	Based on EN 50565-1 Tab. 3
Current Carrying Capacities	Based on VDE 0298-4 Tab.11

APPLICATIONS

These flexible cables are used as control cables for machines, production lines, control systems, assembly lines, measuring systems and data processing where there is low mechanical stress exist. They can be used in dry, wet and damp places inside and also outdoor if protected from UV.



Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
2x0,50	5,00	37	25	39,00
2x0,75	5,40	44	27	26,00
2x1	5,80	52	29	19,50
2x1,5	6,20	63	31	13,30
2x2,5	6,81	85	34	7,98
2x4	8,39	133	42	4,95
2x6	10,00	193	50	3,30
2x10	13,20	330	79	1,91
3x0,50	5,29	45	26	39,00
3x0,75	5,70	52	29	26,00
3x1	6,15	64	31	19,50
3x1,5	6,55	78	33	13,30
3x2,5	7,39	111	37	7,98
3x4	8,92	170	45	4,95
3x6	10,62	246	53	3,30
3x10	15,25	466	92	1,91
3x16	16,73	637	100	1,21
3x16+10	18,40	769	110	1,21
3x25+16	23,76	1213	143	0,780
3x35+16	26,20	1539	157	0,554
3x50+25	31,90	2240	191	0,386
3x50+35	32,60	2354	196	0,386
3x70+35	35,00	2969	210	0,272
3x95+50	44,80	4510	269	0,206
4x0,50	5,75	54	29	39,00
4x0,75	6,20	64	31	26,00
4x1	6,70	79	34	19,50
4x1,5	7,40	101	37	13,30
4x2,5	8,10	140	41	7,98
4x4	10,01	219	50	4,95
4x6	11,71	312	59	3,30
4x10	17,10	599	103	1,91

Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
4x16	18,82	818	113	1,21
4x25	24,94	1312	150	0,780
5x0,50	6,30	63	32	39,00
5x0,75	6,80	77	34	26,00
5x1	7,51	97	38	19,50
5x1,5	8,10	119	41	13,30
5x2,5	8,90	168	45	7,98
5x4	11,00	263	55	4,95
5x6	13,10	383	79	3,30
6x0,5	6,70	73	34	39,00
6x0,75	7,50	93	38	26,00
6x1	8,10	114	41	19,50
6x1,5	8,80	142	44	13,30
6x2,5	9,80	204	49	7,98
7x0,5	6,70	77	34	39,00
7x0,75	7,50	98	38	26,00
7x1	8,10	120	41	19,50
7x1,5	8,80	151	44	13,30
7x2,5	9,80	219	49	7,98
8x0,50	7,70	98	39	39,00
8x0,75	8,60	125	43	26,00
8x1	9,30	153	47	19,50
8x1,5	10,60	205	53	13,30
8x2,5	11,50	280	58	7,98
10x0,50	8,60	112	43	39,00
10x0,75	9,40	138	47	26,00
10x1	10,40	175	52	19,50
10x1,5	11,30	218	57	13,30
10x2,5	12,60	317	76	7,98
12x0,50	8,90	127	45	39,00
12x0,75	10,00	162	50	26,00
12x1	10,80	200	54	19,50

Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
12x1,5	11,60	250	58	13,30
12x2,5	13,10	368	79	7,98
14x0,50	9,36	143	47	39,00
14x0,75	10,40	182	52	26,00
14x1	11,30	226	57	19,50
14x1,5	12,80	302	77	13,30
14x2,5	13,70	419	82	7,98
16x0,50	10,00	166	50	39,00
16x0,75	11,00	207	55	26,00
16x1	11,90	256	60	19,50
16x1,5	13,50	342	81	13,30
16x2,5	14,70	483	88	7,98
18x0,50	10,50	184	53	39,00
18x0,75	11,50	230	58	26,00
18x1	12,70	291	76	19,50
18x1,5	14,20	381	85	13,30
18x2,5	15,40	538	92	7,98
19x0,50	10,50	187	53	39,00
19x0,75	11,50	234	58	26,00
19x1	12,70	298	76	19,50
19x1,5	14,20	391	85	13,30
19x2,5	15,40	554	92	7,98
24x0,50	12,40	240	74	39,00
24x0,75	13,60	299	82	26,00
24x1	15,00	379	90	19,50
24x1,5	16,80	499	101	13,30
24x2,5	18,20	706	109	7,98
25x0,50	12,70	256	76	39,00
25x0,75	14,00	320	84	26,00
25x1	15,40	404	92	19,50
25x1,5	17,40	540	104	13,30
25x2,5	18,70	751	112	7,98

Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
30x0,50	13,10	286	79	39,00
30x0,75	14,40	358	86	26,00
30x1	15,90	455	95	19,50
30x1,5	18,00	609	108	13,30
30x2,5	19,50	865	117	7,98
32x0,50	13,60	307	82	39,00
32x0,75	15,20	393	91	26,00
32x1	16,50	490	99	19,50
32x1,5	18,70	655	112	13,30
32x2,5	20,20	929	121	7,98
36x0,50	14,10	338	85	39,00
36x0,75	15,70	431	94	26,00
36x1	17,30	547	104	19,50
36x1,5	19,60	731	118	13,30
36x2,5	21,00	1028	126	7,98
40x0,50	14,90	391	89	39,00
40x0,75	16,40	490	98	26,00
40x1	18,00	621	108	19,50
40x1,5	20,40	830	122	13,30
40x2,5	22,10	1176	133	7,98