



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
Seperator	Seperating foil (Polyster tape)
Screen	Tinned copper wire braiding
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 signal and 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. It's shielded for against electromagnetic disturbances.



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	5,50	39	28	39,00
2x0,75	5,90	46	30	26,00
2x1	6,30	53	32	19,50
2x1,5	6,70	62	34	13,30
2x2,5	7,38	84	37	7,98
2x4	8,98	127	45	4,95
2x6	10,38	173	52	3,30
2x10	13,58	310	81	1,91
3x0,50	5,80	48	29	39,00
3x0,75	6,30	56	32	26,00
3x1	6,70	67	34	19,50
3x1,5	7,18	82	36	13,30
3x2,5	8,08	114	40	7,98
3x4	9,58	169	48	4,95
3x6	11,28	240	56	3,30
3x10	14,48	394	87	1,91
4x0,50	6,30	57	32	39,00
4x0,75	6,70	68	34	26,00
4x1	7,28	83	36	19,50
4x1,5	7,78	101	39	13,30
4x2,5	8,68	142	43	7,98
4x4	10,38	212	52	4,95
4x6	12,28	304	74	3,30
4x10	15,88	499	95	1,91
5x0,50	6,80	69	34	39,00
5x0,75	7,38	85	37	26,00
5x1	8,18	107	41	19,50
5x1,5	8,68	128	43	13,30
5x2,5	9,48	175	47	7,98
5x4	11,58	269	58	4,95
5x6	13,68	384	82	3,30
5x10	17,68	635	106	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)
6x0,5	7,38	82	37	39,00
6x0,75	8,08	103	40	26,00
6x1	8,68	123	43	19,50
6x1,5	9,38	150	47	13,30
6x2,5	10,18	207	51	7,98
7x0,5	7,38	86	37	39,00
7x0,75	8,08	108	40	26,00
7x1	8,68	130	43	19,50
7x1,5	9,38	160	47	13,30
7x2,5	10,18	222	51	7,98
8x0,50	8,58	113	43	39,00
8x0,75	9,28	136	46	26,00
8x1	9,98	163	50	19,50
8x1,5	10,98	206	55	13,30
8x2,5	11,98	282	60	7,98
10x0,50	9,18	121	46	39,00
10x0,75	9,98	147	50	26,00
10x1	10,98	183	55	19,50
10x1,5	11,88	227	59	13,30
10x2,5	12,98	317	78	7,98
12x0,50	9,48	137	47	39,00
12x0,75	10,38	168	52	26,00
12x1	11,38	210	57	19,50
12x1,5	12,18	259	73	13,30
12x2,5	13,68	374	82	7,98
14x0,50	9,88	153	49	39,00
14x0,75	10,98	193	55	26,00
14x1	11,88	237	59	19,50
14x1,5	12,78	295	77	13,30
14x2,5	14,28	426	86	7,98
16x0,50	10,38	173	52	39,00
16x0,75	11,58	218	58	26,00

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)
16x1	12,48	267	75	19,50
16x1,5	13,68	340	82	13,30
16x2,5	15,08	484	90	7,98
18x0,50	11,08	197	55	39,00
18x0,75	12,08	242	72	26,00
18x1	13,08	297	78	19,50
18x1,5	14,38	378	86	13,30
18x2,5	15,78	539	95	7,98
19x0,50	11,08	200	55	39,00
19x0,75	12,08	246	72	26,00
19x1	13,08	304	78	19,50
19x1,5	14,38	388	86	13,30
19x2,5	15,78	556	95	7,98
24x0,50	12,78	247	77	39,00
24x0,75	14,18	312	85	26,00
24x1	15,38	385	92	19,50
24x1,5	16,88	490	101	13,30
24x2,5	18,90	723	113	7,98
25x0,50	13,08	263	78	39,00
25x0,75	14,58	333	87	26,00
25x1	15,78	409	95	19,50
25x1,5	17,18	520	103	13,30
25x2,5	19,40	766	116	7,98
30x0,50	13,68	300	82	39,00
30x0,75	14,98	372	90	26,00
30x1	16,48	469	99	19,50
30x1,5	17,78	590	107	13,30
30x2,5	20,00	874	120	7,98
32x0,50	14,18	319	85	39,00
32x0,75	15,58	397	93	26,00
32x1	17,08	500	102	19,50
32x1,5	18,60	637	112	13,30

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)
32x2,5	20,80	932	125	7,98
36x0,50	14,68	352	88	39,00
36x0,75	16,28	446	98	26,00
36x1	17,68	554	106	19,50
36x1,5	19,50	717	117	13,30
36x2,5	21,70	1048	130	7,98
40x0,50	15,28	390	92	39,00
40x0,75	16,98	495	102	26,00
40x1	18,50	623	111	19,50
40x1,5	20,20	795	121	13,30
40x2,5	22,60	1165	136	7,98