



Construction

- ① Electrolytic Stranded Copper Wire
- ② PVC Insulation
- ③ PVC Outer Sheath

Application

These types of cables are used in office equipment, electronic control systems, air condition systems, power stations, engineering projects for control, vision and measurement purposes. They can be used in wet or dry indoor applications but for outdoor use, UV protected PVC must be used where the cable is exposed to sunlight.

Technical Data

Conductor Resistance	0,50 mm ² = 79 Ω/km 0,75 mm ² = 56 Ω/km 1,00 mm ² = 39 Ω/km 1,5 mm ² = 13,3 Ω/km 2,5 mm ² = 7,98 Ω/km	Mutual Capacitance	0,22 mm ² = 110 pF/m 0,34 mm ² = 110 pF/m 0,50 mm ² = 120 pF/m 0,75 mm ² = 120 pF/m 1,0 mm ² = 130 pF/m 1,5 mm ² = 140 pF/m 2,5 mm ² = 150 pF/m	Current Carrying Capacity	0,50 mm ² = 6A 0,75 mm ² = 13A 1,0 mm ² = 16A 1,5 mm ² = 20A 2,5 mm ² = 25A
Insulation Resistance	0.22-0,34 mm ² = 200 MΩ.km ≥ 0.50 mm ² = 20 MΩ.km	Bending Min. Diameter	10XD	Insulator Colour No	DIN 47100
Test Voltage	0.22-0.34 mm ² = 1200 V ≥ 0.50 mm ² = 2000 V	Working Temperature	-30°C... +70°C	Outer Sheath Standard No	EN 50290-2-27
Insulator Standard No	EN 50290-2-26	Flame Test Standard	IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2	Outer Sheath Colour No	RAL 7001
Working Voltage	0.22-0.34 mm ² = 250 V > 0.50 mm ² = 300/500 V	Conductor Standard No	IEC 60228, VDE 0295, EN 60228		

Notes

With their flexible design they can easily be used in narrow spaces. These cables are not suitable for outdoor use.

OZ : Without Green/Yellow Earthing Core, Number Coded Cable

JZ : With Green/Yellow Earthing Core, Number Coded Cable

JB : With Green/Yellow Earthing Core, Colour Coded Cable

Visual Introduction



-30/+70 °C working temperature



flexible cable



flame test standard



reach compliance



rohs compliance



European conformity

Control Cables

DIMENSIONS AND WEIGHTS

NOMINAL CROSS SEC.	OVERALL D.(→)	COPPER WEIGHT (→)	CABLE WEIGHT (→)	STD. DELIVERY LENGTH
mm ²	mm	kg/km	kg/km	m
2x0,50	5,1	10	39	100/500/1000
3x0,50	5,4	15	46	100/500/1000
4x0,50	5,8	18	53	100/500/1000
5x0,50	6,4	23	65	100/500/1000
6x0,50	7,1	26	81	100/500/1000
7x0,50	7,1	30	90	100/500/1000
8x0,50	7,7	36	105	100/500/1000
10x0,50	9,1	45	135	100/500/1000
12x0,50	9,4	53	155	100/500/1000
14x0,50	10	60	170	100/500/1000
16x0,50	10,6	70	186	100/500/1000
18x0,50	11,1	76	208	100/500/1000
19X0,50	11,1	80	213	100/500/1000
21X0,50	11,9	90	244	100/500/1000
24X0,50	13,3	100	291	100/500/1000
30X0,50	14	126	333	100/500/1000
36X0,50	15,3	155	404	100/500/1000
2x0,75	5,5	14	47	100/500/1000
3x0,75	5,8	21	59	100/500/1000
4x0,75	6,3	27	73	100/500/1000
5x0,75	7,1	34	92	100/500/1000
6x0,75	7,7	41	108	100/500/1000
7x0,75	7,7	48	115	100/500/1000
8x0,75	8,5	54	132	100/500/1000
10x0,75	10,1	64	162	100/500/1000
12x0,75	10,4	77	194	100/500/1000
14x0,75	11,1	90	218	100/500/1000
16x0,75	11,7	103	240	100/500/1000
18x0,75	12,3	117	273	100/500/1000
19x0,75	12,3	124	280	100/500/1000
21x0,75	12,9	136	309	100/500/1000
24x0,75	14,5	156	370	100/500/1000
30x0,75	15,5	195	438	100/500/1000
36x0,75	16,9	230	504	100/500/1000
2x1	5,8	19	56	100/500/1000
3x1	6,1	28	68	100/500/1000
4x1	6,8	36	86	100/500/1000
5x1	7,5	45	110	100/500/1000
6x1	8,1	55	128	100/500/1000
7x1	8,1	61	138	100/500/1000

DIMENSIONS AND WEIGHTS

NOMINAL CROSS SEC.	OVERALL D.(→)	COPPER WEIGHT (→)	CABLE WEIGHT (→)	STD. DELIVERY LENGTH
mm ²	mm	kg/km	kg/km	m
8x1	9,4	70	165	100/500/1000
10x1	10,3	87	200	100/500/1000
12x1	10,6	105	225	100/500/1000
14x1	11,3	123	259	100/500/1000
16x1	11,9	140	285	100/500/1000
18x1	12,8	156	315	100/500/1000
19x1	12,8	165	328	100/500/1000
21x1	13,5	188	365	100/500/1000
24x1	14,6	206	419	100/500/1000
30x1	17	260	537	100/500/1000
36x1	17,5	310	635	100/500/1000
2x1,5	6,3	26	71	100/500/1000
3x1,5	6,9	39	89	100/500/1000
4x1,5	7,5	51	110	100/500/1000
5x1,5	8,5	63	137	100/500/1000
6x1,5	9,1	75	157	100/500/1000
7x1,5	9,1	88	173	100/500/1000
8x1,5	10	103	206	100/500/1000
10x1,5	11,9	128	258	100/500/1000
12x1,5	12,3	150	282	100/500/1000
14x1,5	13,1	175	338	100/500/1000
16x1,5	13,9	198	381	100/500/1000
18x1,5	14,7	223	414	100/500/1000
19x1,5	14,7	235	425	100/500/1000
21x1,5	15,4	256	487	100/500/1000
24x1,5	17,3	296	530	100/500/1000
30x1,5	18,5	368	660	100/500/1000
36x1,5	20,1	440	680	100/500/1000
2x2,5	7,9	43	113	100/500/1000
3x2,5	8,6	64	140	100/500/1000
4x2,5	9,4	84	174	100/500/1000
5x2,5	10,6	106	214	100/500/1000
6x2,5	11,6	127	263	100/500/1000
7x2,5	11,6	145	283	100/500/1000
8x2,5	12,5	166	318	100/500/1000
10x2,5	15,1	206	406	100/500/1000
12x2,5	15,6	246	465	100/500/1000
14x2,5	16,6	286	526	100/500/1000
16x2,5	17,6	327	594	100/500/1000