



Application

This cable is used as control and connecting cables for tooling machinery, production lines, conveyor and assembly line as well as in construction plant.

This cable is ideal for medium loads and flexible application for free movements without forced movement and tensile load. Suitable to use for installation in dry, moist and wet rooms, indoor.

Cores Color

- JZ** Black cores with white numbering + yellow + green
- OZ** Black cores with white numbering
- JB** Coloured cores according to VDE-0293 + yellow + green
- OB** Coloured cores according to VDE-0293

Construction

- Stranded bare Cu conductor, fine wire
- Strand structure as per IEC-60228, class 5
- Insulation: Special quality PVC
- Sheath : PVC, grey colour,
flame retardant to IEC-60332-1

Electrical and Technical Data

Rated Voltage	300/500V
Test Voltage	1000VAC/1min
Insulation Resistance	≥ 20 MΩ x Km
Bending Radius	15 x cable diameter
Max. Working Temperature	70°C
Min. Laying Temperature	-5°C



Cross Section (mm ²)	Outer Diameter (approx.) (mm)	Cable Weight (approx.) (kg/km)	Cross Section (mm ²)	Outer Diameter (approx.) (mm)	Cable Weight (approx.) (kg/km)
2 x 0.5	4.7	36	2 x 1	6.3	63
3 x 0.5	5.0	43	3 x 1	6.6	74
4 x 0.5	5.6	54	4 x 1	7.2	90
5 x 0.5	6.1	66	5 x 1	7.8	108
7 x 0.5	6.6	81	7 x 1	8.7	140
8 x 0.5	7.8	100	8 x 1	9.4	160
10 x 0.5	9.5	134	10 x 1	11.2	210
12 x 0.5	9.6	141	12 x 1	11.5	225
14 x 0.5	10	161	14 x 1	12.1	262
16 x 0.5	10.7	186	16 x 1	12.7	293
18 x 0.5	11.4	211	18 x 1	13.4	328
21 x 0.5	12	224	20 x 1	14.1	352
25 x 0.5	13.6	271	21 x 1	14.3	358
34 x 0.5	14.5	325	24 x 1	16.0	427
40 x 0.5	15.3	395	25 x 1	16.3	434
42 x 0.5	15.8	432	32 x 1	17.7	538
50 x 0.5	16.6	501	34 x 1	18.4	579
61 x 0.5	19.4	595	42 x 1	19.9	698
			50 x 1	21.7	813
			61 x 1	23.2	966
2 x 0.75	5.9	54	2 x 1.5	7.3	87
3 x 0.75	6.2	63	3 x 1.5	7.7	104
4 x 0.75	6.7	75	4 x 1.5	8.6	130
5 x 0.75	7.3	91	5 x 1.5	9.4	158
7 x 0.75	7.9	112	7 x 1.5	10.3	199
8 x 0.75	8.7	132	8 x 1.5	11.3	233
10 x 0.75	10.4	170	10 x 1.5	13.2	296
12 x 0.75	10.6	181	12 x 1.5	13.6	318
14 x 0.75	11.2	215	14 x 1.5	14.5	378
16 x 0.75	11.8	242	16 x 1.5	15.3	427
18 x 0.75	12.4	268	18 x 1.5	16.1	476
21 x 0.75	13.1	288	21 x 1.5	17.3	523
25 x 0.75	15	353	25 x 1.5	19.8	638
34 x 0.75	17	472	32 x 1.5	21.2	776
42 x 0.75	18.2	560	34 x 1.5	22.3	849
50 x 0.75	20	660	37 x 1.5	22.7	881
61 x 0.75	21.2	772	42 x 1.5	23.9	1011
			50 x 1.5	26.4	1199
			61 x 1.5	28.2	1422

Cross Section (mm ²)	Outer Diameter (approx.) (mm)	Cable Weight (approx.) (kg/km)
2 x 2.5	8.1	115
3 x 2.5	8.8	146
4 x 2.5	9.6	179
5 x 2.5	10.6	221
7 x 2.5	11.7	284
8 x 2.5	12.6	323
10 x 2.5	15.0	419
12 x 2.5	15.5	458
14 x 2.5	16.3	534
16 x 2.5	17.4	613
18 x 2.5	18.3	682
21 x 2.5	19.6	750
25 x 2.5	22.4	912
34 x 2.5	25.4	1227
42 x 2.5	27.5	1486
50 x 2.5	30	1727
61 x 2.5	32	2061

Cross Section (mm ²)	Outer Diameter (approx.) (mm)	Cable Weight (approx.) (kg/km)
3 x 4	10.6	221
4 x 4	11.8	277
5 x 4	12.9	339
6 x 4	14.3	410
7 x 4	14.7	438
3 x 6	12.1	302
4 x 6	13.3	374
5 x 6	14.8	468
7 x 6	16.1	596
3 x 10	15.3	495
4 x 10	17.0	629
5 x 10	18.7	767
7 x 10	20.7	998
3 x 16	17.9	725
4 x 16	19.9	925
5 x 16	22.1	1142
7 x 16	24.2	1476

