



TEKAB



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MULTICORE CONTROL CABLE - LIYY

DESCRIPTION

- **Conductor:** Flexible bare copper class 5 to IEC 60228
- **Insulation:** PVC type T12
- **Identification:** colour coded to **DIN 47100**, **JB, OB, JZ, OZ**,
- **Assembly:** in concentric layers
- **Jacket:** overall PVC type TM2

SPECIFICATION: Generally to VDE 0245,0812

CHARACTERISTICS

- Min. **Insulation Resistance** at 20°C: 200MΩ.km

	0.14 mm ²	=>0.25 mm ²
- Test Voltage :	1200 V	2500 V
- Rated Voltage:	350 V	500 V

- **Conductor Resistance:** refer to technical section

Conductor: 0.14mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 0.14	3.2	2.7	13
3 X 0.14	3.3	4.1	16
4 X 0.14	3.6	5.5	19
5 X 0.14	3.9	6.8	23
6 X 0.14	4.3	8.2	27
7 X 0.14	4.3	9.6	29
8 X 0.14	4.6	11.0	32
10 X 0.14	5.0	13.7	39
12 X 0.14	5.4	16.4	45
14 X 0.14	5.7	19.2	51
16 X 0.14	6.0	21.9	57
18 X 0.14	6.3	24.6	65
19 X 0.14	6.5	26.0	67
20 X 0.14	6.6	27.4	70
21 X 0.14	6.8	28.8	73
25 X 0.14	7.3	34.2	85
27 X 0.14	7.5	37.0	91
29 X 0.14	7.8	39.7	97
30 X 0.14	7.9	41.1	100
36 X 0.14	8.5	49.3	117
37 X 0.14	9.2	50.7	135
61 X 0.14	11.4	83.5	208

Conductor: 0.25mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 0.25	3.5	4.8	16
3 X 0.25	3.7	7.2	21
4 X 0.25	4.0	9.6	25
5 X 0.25	4.4	12.0	31
6 X 0.25	4.7	14.4	37
7 X 0.25	4.7	16.8	39
8 X 0.25	5.1	19.2	44
10 X 0.25	5.5	24.0	53
12 X 0.25	6.0	28.8	63
14 X 0.25	6.4	33.5	72
16 X 0.25	6.8	38.3	80
18 X 0.25	7.1	43.1	91
19 X 0.25	7.3	45.5	94
20 X 0.25	7.4	47.9	98
21 X 0.25	7.6	50.3	103
25 X 0.25	8.2	59.9	120
27 X 0.25	8.5	64.7	129
29 X 0.25	9.3	69.5	152
30 X 0.25	9.5	71.9	157
36 X 0.25	10.2	86.3	184
37 X 0.25	10.3	88.7	188
61 X 0.25	13.2	146.2	309

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Conductor: 0.34mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 0.34	4.1	6.7	22
3 X 0.34	4.4	10.0	28
4 X 0.34	4.7	13.3	35
5 X 0.34	5.2	16.6	44
6 X 0.34	5.7	20.0	52
7 X 0.34	5.7	23.3	55
8 X 0.34	6.1	26.6	62
10 X 0.34	6.7	33.3	76
12 X 0.34	7.2	39.9	89
14 X 0.34	7.7	46.6	102
16 X 0.34	8.2	53.2	115
18 X 0.34	8.6	59.9	131
19 X 0.34	9.5	63.2	149
20 X 0.34	9.7	66.6	156
21 X 0.34	9.9	69.9	163
25 X 0.34	10.6	83.2	189
27 X 0.34	11.0	89.9	203
29 X 0.34	11.3	96.5	216
30 X 0.34	11.5	99.8	223
36 X 0.34	12.8	119.8	276
37 X 0.34	13.0	123.1	282
61 X 0.34	16.1	203.0	440

Conductor: 0.75mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 0.75	4.8	14.6	33
3 X 0.75	5.2	21.9	45
4 X 0.75	5.6	29.2	57
5 X 0.75	6.2	36.5	72
6 X 0.75	6.8	43.8	86
7 X 0.75	6.8	51.1	93
8 X 0.75	7.3	58.4	105
10 X 0.75	8.0	73.0	128
12 X 0.75	9.3	87.6	167
14 X 0.75	9.9	102.2	191
16 X 0.75	10.5	116.8	215
18 X 0.75	11.0	131.4	243
19 X 0.75	11.3	138.7	251
20 X 0.75	11.5	146.0	263
21 X 0.75	12.2	153.4	288
25 X 0.75	13.1	182.6	336
27 X 0.75	13.6	197.2	360
29 X 0.75	14.0	211.8	384
30 X 0.75	14.2	219.1	396
36 X 0.75	15.3	262.9	467
37 X 0.75	15.5	270.2	479
61 X 0.75	19.8	445.5	780

Conductor: 0.5mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 0.5	4.4	9.7	26
3 X 0.5	4.7	14.6	35
4 X 0.5	5.1	19.5	44
5 X 0.5	5.6	24.3	55
6 X 0.5	6.1	29.2	66
7 X 0.5	6.1	34.1	70
8 X 0.5	6.6	38.9	79
10 X 0.5	7.3	48.7	97
12 X 0.5	7.9	58.4	114
14 X 0.5	8.4	68.2	131
16 X 0.5	9.5	77.9	163
18 X 0.5	10.0	87.6	184
19 X 0.5	10.3	92.5	190
20 X 0.5	10.5	97.4	198
21 X 0.5	10.7	102.2	207
25 X 0.5	11.5	121.7	242
27 X 0.5	12.3	131.4	273
29 X 0.5	12.7	141.2	290
30 X 0.5	12.9	146.0	299
36 X 0.5	13.9	175.3	352
37 X 0.5	14.1	180.1	360
61 X 0.5	17.9	297.0	586

Conductor: 1mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 1	5.2	19.5	40
3 X 1	5.5	29.2	55
4 X 1	6.0	38.9	70
5 X 1	6.7	48.7	88
6 X 1	7.3	58.4	106
7 X 1	7.3	68.2	114
8 X 1	7.9	77.9	130
10 X 1	8.7	97.4	159
12 X 1	10.0	116.8	205
14 X 1	10.7	136.3	235
16 X 1	11.3	155.8	265
18 X 1	12.3	175.3	313
19 X 1	12.6	185.0	323
20 X 1	12.8	194.7	339
21 X 1	13.1	204.5	354
25 X 1	14.1	243.4	414
27 X 1	14.6	262.9	444
29 X 1	15.1	282.4	474
30 X 1	15.3	292.1	489
36 X 1	16.6	350.5	578
37 X 1	16.8	360.3	593
61 X 1	21.3	593.9	968



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Conductor: 1.5mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 1.5	6.1	28.5	56
3 X 1.5	6.5	42.8	77
4 X 1.5	7.2	57.1	99
5 X 1.5	7.9	71.3	126
6 X 1.5	9.3	85.6	166
7 X 1.5	9.3	99.8	179
8 X 1.5	10.0	114.1	202
10 X 1.5	11.4	142.6	259
12 X 1.5	12.3	171.2	305
14 X 1.5	13.1	199.7	350
16 X 1.5	13.9	228.2	395
18 X 1.5	14.6	256.7	447
19 X 1.5	15.0	271.0	462
20 X 1.5	15.3	285.3	484
21 X 1.5	15.6	299.5	506
25 X 1.5	18.1	356.6	617
27 X 1.5	17.8	385.1	657
29 X 1.5	18.4	413.6	701
30 X 1.5	18.7	427.9	723
36 X 1.5	20.2	513.5	855
37 X 1.5	20.5	527.7	877
61 X 1.5	26.0	870.0	1426

Conductor: 2.5mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2.5	7.4	47.5	87
3 X 2.5	8.3	71.3	130
4 X 2.5	9.1	95.1	165
5 X 2.5	10.0	118.9	207
6 X 2.5	11.4	142.6	261
7 X 2.5	11.4	166.4	282
8 X 2.5	12.2	190.2	319
10 X 2.5	13.4	237.7	390
12 X 2.5	14.5	285.3	461
14 X 2.5	15.9	332.8	548
16 X 2.5	16.9	380.3	618
18 X 2.5	17.7	427.9	700
20 X 2.5	18.6	475.4	759
21 X 2.5	19.0	499.2	793
25 X 2.5	20.9	594.3	955
27 X 2.5	21.6	641.8	1025
30 X 2.5	22.6	713.1	1129
36 X 2.5	24.5	855.8	1337
40 X 2.5	25.9	950.8	1489
61 X 2.5	31.2	1450.0	2211

Conductor: 4mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 4	9.9	76.7	148
3 X 4	10.6	115.0	205
4 X 4	12.0	153.4	276
5 X 4	13.3	191.7	347
6 X 4	14.5	230.0	419
7 X 4	14.5	268.4	452
8 X 4	15.7	306.7	513
10 X 4	17.7	383.4	649
12 X 4	19.1	460.1	767
14 X 4	20.5	536.7	884
16 X 4	21.7	613.4	1000
18 X 4	23.3	690.1	1162
20 X 4	24.4	766.8	1258

Conductor: 10mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 10	14.2	194.7	329
3 X 10	15.2	292.1	463
4 X 10	16.6	389.5	599
5 X 10	18.9	486.8	779
6 X 10	20.7	584.2	942
7 X 10	20.7	681.6	1027

Conductor: 6mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 6	11.1	115.0	198
3 X 6	12.3	172.5	291
4 X 6	13.4	230.0	374
5 X 6	14.8	287.5	471
6 X 6	16.2	345.0	569
7 X 6	16.2	402.5	620

Conductor: 16mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 16	18.1	306.7	523
3 X 16	19.4	460.1	738
4 X 16	21.3	613.4	957
5 X 16	24.0	766.8	1241
6 X 16	26.4	920.1	1503
7 X 16	26.4	1073.5	1637