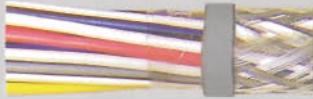




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BRAIDED MULTICORE CONTROL CABLES - LIYCY

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 & core wrapping tape
- **Screen:** tinned copper braid, 85% coverage
- **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 :	800 V	1200 V
- Rated Voltage:	350 V	500 V

	0.14 mm ²	≥ 0.25 mm ²
- Capacitance		
- core to core :	120 pF/m	150 pF/m

- **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	3.6	10.7	21
3 X 0.14	3.8	12.7	24
4 X 0.14	4.0	14.9	29
5 X 0.14	4.4	17.4	33
6 X 0.14	4.7	19.8	37
7 X 0.14	4.7	21.2	40
8 X 0.14	5.0	23.6	44
10 X 0.14	5.4	27.7	52
12 X 0.14	5.9	34.9	62
14 X 0.14	6.4	39.1	73
16 X 0.14	6.7	43.1	81
18 X 0.14	7.0	47.1	88
19 X 0.14	7.2	49.1	92
20 X 0.14	7.3	51.0	95
21 X 0.14	7.5	52.9	99
24 X 0.14	7.9	58.6	110
25 X 0.14	8.0	60.5	113
27 X 0.14	8.2	64.3	120
29 X 0.14	8.5	67.9	127
30 X 0.14	8.6	69.8	130
32 X 0.14	9.2	73.4	147
36 X 0.14	9.7	80.6	161
37 X 0.14	9.8	82.4	165
40 X 0.14	10.1	87.8	175
42 X 0.14	10.3	91.3	182
52 X 0.14	11.2	108.7	216
61 X 0.14	12.4	124.0	259
80 X 0.14	13.9	167.7	332
100 X 0.14	15.2	201.7	398

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	3.9	13.8	25
3 X 0.25	4.1	16.9	30
4 X 0.25	4.4	20.3	36
5 X 0.25	4.8	23.9	42
6 X 0.25	5.2	27.6	48
7 X 0.25	5.2	30.0	52
8 X 0.25	5.6	36.5	60
10 X 0.25	6.3	43.3	75
12 X 0.25	6.7	49.8	86
14 X 0.25	7.1	56.2	96
16 X 0.25	7.5	62.5	107
18 X 0.25	7.8	68.7	117
19 X 0.25	8.0	71.8	122
20 X 0.25	8.1	74.8	127
21 X 0.25	8.3	77.8	132
24 X 0.25	9.2	86.9	157
25 X 0.25	9.3	89.9	162
27 X 0.25	9.6	95.8	173
29 X 0.25	9.9	101.7	183
30 X 0.25	10.0	104.6	188
32 X 0.25	10.3	110.4	198
36 X 0.25	10.8	122.0	217
37 X 0.25	10.9	124.9	222
40 X 0.25	11.2	133.5	237
42 X 0.25	11.4	139.2	247
52 X 0.25	13.0	178.4	318
61 X 0.25	13.9	204.3	363
80 X 0.25	15.5	258.0	454
100 X 0.25	17.0	313.6	548

BRAIDED MULTICORE CONTROL CABLES - LiYCY

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	4.3	17.1	31
3 X 0.34	4.6	21.2	37
4 X 0.34	4.9	25.7	45
5 X 0.34	5.4	30.5	53
6 X 0.34	5.9	38.6	64
7 X 0.34	5.9	41.9	69
8 X 0.34	6.5	46.8	81
10 X 0.34	7.0	55.7	95
12 X 0.34	7.6	64.5	110
14 X 0.34	8.0	73.0	124
16 X 0.34	8.5	81.4	138
18 X 0.34	9.3	89.7	162
19 X 0.34	9.5	93.8	169
20 X 0.34	9.7	97.9	176
21 X 0.34	9.9	102.0	183
24 X 0.34	10.4	114.1	203
25 X 0.34	10.6	118.2	210
27 X 0.34	10.9	126.1	224
29 X 0.34	11.2	134.1	237
30 X 0.34	11.4	138.0	244
32 X 0.34	12.1	145.9	271
36 X 0.34	12.8	172.3	307
37 X 0.34	12.9	176.3	314
40 X 0.34	13.3	188.4	334
42 X 0.34	13.6	196.4	348
52 X 0.34	14.8	235.8	415
61 X 0.34	15.8	270.9	474
80 X 0.34	18.3	359.6	631
100 X 0.34	20.1	448.8	772

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	5.3	28.2	47
3 X 0.75	5.7	39.6	62
4 X 0.75	6.3	48.8	79
5 X 0.75	6.9	58.4	93
6 X 0.75	7.5	68.0	108
7 X 0.75	7.5	75.3	119
8 X 0.75	8.0	84.7	133
10 X 0.75	9.2	102.3	170
12 X 0.75	9.8	119.7	197
14 X 0.75	10.5	136.7	223
16 X 0.75	11.0	153.7	249
18 X 0.75	11.6	170.4	275
19 X 0.75	12.2	178.8	302
20 X 0.75	12.5	187.1	315
21 X 0.75	12.9	206.2	337
24 X 0.75	13.6	231.7	376
25 X 0.75	13.8	240.1	389
27 X 0.75	14.2	256.9	415
29 X 0.75	14.6	273.6	441
30 X 0.75	14.8	282.0	454
32 X 0.75	15.2	298.6	479
36 X 0.75	16.0	331.6	530
37 X 0.75	16.2	339.9	543
40 X 0.75	16.7	364.5	580
42 X 0.75	17.5	380.8	625
52 X 0.75	19.3	490.2	774
61 X 0.75	20.6	564.8	888
80 X 0.75	23.6	720.5	1150

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	4.9	21.9	38
3 X 0.5	5.1	27.7	48
4 X 0.5	5.6	37.0	61
5 X 0.5	6.3	44.0	75
6 X 0.5	6.9	50.9	86
7 X 0.5	6.9	55.8	94
8 X 0.5	7.3	62.6	105
10 X 0.5	8.0	75.0	125
12 X 0.5	8.6	87.1	145
14 X 0.5	9.6	99.1	175
16 X 0.5	10.1	110.9	194
18 X 0.5	10.6	122.6	214
19 X 0.5	10.8	128.4	223
20 X 0.5	11.0	134.1	233
21 X 0.5	11.2	139.9	242
24 X 0.5	12.3	157.0	284
25 X 0.5	12.5	162.7	294
27 X 0.5	13.0	184.9	323
29 X 0.5	13.4	196.6	342
30 X 0.5	13.5	202.4	352
32 X 0.5	13.9	213.9	371
36 X 0.5	14.6	236.8	409
37 X 0.5	14.7	242.5	418
40 X 0.5	15.2	259.5	446
42 X 0.5	15.5	270.8	465
52 X 0.5	17.0	326.8	557
61 X 0.5	18.7	392.9	674
80 X 0.5	21.0	511.5	860
100 X 0.5	23.5	622.9	1068

Conductor: 1mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 1	5.7	37.3	57
3 X 1	6.2	48.4	76
4 X 1	6.7	60.2	93
5 X 1	7.4	72.4	111
6 X 1	8.0	84.7	129
7 X 1	8.0	94.5	143
8 X 1	8.6	106.5	161
10 X 1	9.8	129.2	204
12 X 1	10.5	151.7	237
14 X 1	11.2	173.9	270
16 X 1	12.2	195.8	316
18 X 1	12.9	228.6	358
19 X 1	13.2	239.8	375
20 X 1	13.5	250.9	391
21 X 1	13.8	262.0	407
24 X 1	14.5	295.0	456
25 X 1	14.8	306.0	472
27 X 1	15.3	327.9	504
29 X 1	15.7	349.7	536
30 X 1	15.9	360.5	552
32 X 1	16.4	382.2	584
36 X 1	17.6	425.3	666
37 X 1	17.8	436.1	682
61 X 1	22.2	723.8	1085



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Conductor: 1.5mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 1.5	6.9	50.2	80
3 X 1.5	7.3	66.1	103
4 X 1.5	7.9	82.9	127
5 X 1.5	8.6	100.2	153
6 X 1.5	9.8	117.6	189
7 X 1.5	9.8	131.8	209
8 X 1.5	10.5	148.9	235
10 X 1.5	11.5	181.5	284
12 X 1.5	13.0	224.5	355
14 X 1.5	13.8	257.2	404
16 X 1.5	14.5	289.6	452
18 X 1.5	15.3	321.8	499
19 X 1.5	15.6	337.8	523
20 X 1.5	16.0	353.7	547
21 X 1.5	16.3	369.6	570
24 X 1.5	17.6	417.2	660
25 X 1.5	17.9	432.9	683
27 X 1.5	18.6	480.6	744
29 X 1.5	19.3	523.8	801
30 X 1.5	19.5	539.9	825
32 X 1.5	20.1	572.0	872
36 X 1.5	21.1	635.9	966
37 X 1.5	21.3	651.8	989

Conductor: 2.5mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2.5	8.0	73.7	111
3 X 2.5	8.5	99.5	147
4 X 2.5	9.6	126.3	195
5 X 2.5	10.6	153.8	234
6 X 2.5	11.5	181.4	274
7 X 2.5	11.5	205.1	306
8 X 2.5	12.9	243.2	369
10 X 2.5	14.1	296.8	445
12 X 2.5	15.2	349.9	520

Conductor: 4mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 4	9.7	108.0	166
3 X 4	10.3	148.8	221
4 X 4	11.2	190.8	278
5 X 4	12.8	244.5	360
6 X 4	14.0	288.5	422
7 X 4	14.0	326.8	472

Conductor: 6mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 6	10.8	151.0	219
3 X 6	11.5	211.3	297
4 X 6	13.1	284.1	401
5 X 6	14.4	348.2	485
6 X 6	15.7	412.3	570
7 X 6	15.7	469.8	642

Conductor: 10mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 10	14.0	253.6	367
3 X 10	15.0	355.6	498
4 X 10	16.3	459.8	634
5 X 10	18.6	582.0	808
6 X 10	20.4	701.6	961
7 X 10	20.4	799.0	1083

