

# LIYCY

## Copper Braided Screen Cable *Suitable for EMC-sensitive Applications*



### Cores Colour

- 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

### Application

Use in instrumentation and control engineering where low current consumptions are required and transmission of the data must be continuous. These cables are ideal for voice communication in telecommunications system, for pulse, signal, data transmission application, in public address, two way intercom system and for all applications where high frequency interference can occur.

### Construction

- ▶ Stranded bare copper conductor, fine wire
- ▶ Strand structure as per IEC 60228, class 5
- ▶ PVC insulated cores
- ▶ Core twisted in layers
- ▶ Film wrapping
- ▶ Tinned copper braided screening approx. 85% coverage
- ▶ PVC outer sheath
- ▶ Sheath colour : grey, RAL7001

### Electrical & Technical Data

- ▶ Working voltage  $U_0/U$  : 300/500 V
- ▶ Test Voltage : 1000 VAC/1 min
- ▶ Insulation Resistance :  $\geq 20 \text{ M}\Omega \times \text{km}$
- ▶ Min. Bending Radius : approx. 15 x cable diameter
- ▶ Temperature range : -5°C to + 70°C (Moved)  
-30°C to + 70°C (Unmoved)
- ▶ Flame retardancy : IEC 60332-1

# LIYCY Copper Braided Screen Cable

Suitable for EMC-sensitive Applications

Cross Section (mm <sup>2</sup> )	Outer Diameter Approx (mm)	Cable Weight Approx (kg/km)	Cross Section (mm <sup>2</sup> )	Outer Diameter Approx (mm)	Cable Weight Approx (kg/km)
2 x 0.5	5.7	46	21 x 0.75	14.1	347
3 x 0.5	6.2	59	24 x 0.75	15.8	415
4 x 0.5	6.6	69	25 x 0.75	16.0	421
5 x 0.5	7.1	82	30 x 0.75	16.8	479
6 x 0.5	7.5	101	32 x 0.75	17.3	510
7 x 0.5	7.9	104	34 x 0.75	17.9	554
8 x 0.5	8.4	117	37 x 0.75	18.1	570
10 x 0.5	9.9	154			
12 x 0.5	10.3	167	40 x 0.75	18.7	611
14 x 0.5	10.9	189	42 x 0.75	19.6	662
15 x 0.5	11.5	210	50 x 0.75	21.4	772
16 x 0.5	11.5	213	61 x 0.75	22.7	897
18 x 0.5	12.1	243			
19 x 0.5	12.3	247	2 x 1	6.7	66
20 x 0.5	12.6	262	3 x 1	7.0	81
21 x 0.5	12.8	265	4 x 1	7.8	102
24 x 0.5	14.4	325	5 x 1	8.4	123
25 x 0.5	14.6	329	7 x 1	9.3	157
30 x 0.5	15.2	372	8 x 1	9.9	177
32 x 0.5	15.7	398	10 x 1	12.1	243
34 x 0.5	16.3	435	12 x 1	12.4	260
37 x 0.5	16.5	446	14 x 1	13.0	292
40 x 0.5	17.1	479	15 x 1	13.7	332
42 x 0.5	17.8	516	16 x 1	13.9	339
50 x 0.5	19.5	603	18 x 1	14.2	373
61 x 0.5	20.7	699	19 x 1	14.5	381
			20 x 1	15.2	416
2 x 0.75	6.3	58	21 x 1	15.4	422
3 x 0.75	6.6	70	24 x 1	17.3	510
4 x 0.75	7.1	84	25 x 1	17.5	517
5 x 0.75	7.9	105	30 x 1	18.2	583
6 x 0.75	8.3	122	32 x 1	18.9	628
7 x 0.75	8.5	128	34 x 1	19.5	678
8 x 0.75	9.3	150	37 x 1	19.7	699
10 x 0.75	11.0	197	40 x 1	20.4	752
12 x 0.75	11.4	213	42 x 1	21.3	810
14 x 0.75	12.1	244	50 x 1	23.2	942
15 x 0.75	12.5	268	61 x 1	24.7	1103
16 x 0.75	12.7	273			
18 x 0.75	13.3	312	2 x 1.5	7.9	91
19 x 0.75	13.5	317	3 x 1.5	8.3	112
20 x 0.75	13.9	342	4 x 1.5	9.2	142
			5 x 1.5	10.0	173
			6 x 1.5	11.1	211

Cross Section (mm <sup>2</sup> )	Outer Diameter Approx (mm)	Cable Weight Approx (kg/km)
7 x 1.5	11.1	222
8 x 1.5	12.2	261
10 x 1.5	14.3	343
12 x 1.5	15.0	379
14 x 1.5	15.7	425
15 x 1.5	16.4	472
16 x 1.5	16.6	482
18 x 1.5	17.2	543
19 x 1.5	17.4	544
20 x 1.5	18.2	597
21 x 1.5	18.4	606
24 x 1.5	21.0	740
25 x 1.5	21.2	750
30 x 1.5	21.9	838
32 x 1.5	22.8	907
34 x 1.5	23.6	981
37 x 1.5	23.8	1013
40 x 1.5	24.6	1087
42 x 1.5	25.9	1192
50 x 1.5	28.4	1398
61 x 1.5	30.2	1634
2 x 2.5	8.7	116
3 x 2.5	9.4	154
4 x 2.5	10.3	192
5 x 2.5	11.4	240
7 x 2.5	12.6	309
8 x 2.5	13.8	366
10 x 2.5	16.1	470
12 x 2.5	16.8	520
14 x 2.5	17.8	596

Cross Section (mm <sup>2</sup> )	Outer Diameter Approx (mm)	Cable Weight Approx (kg/km)
15 x 2.5	18.7	653
18 x 2.5	19.6	753
19 x 2.5	19.8	771
20 x 2.5	20.8	846
21 x 2.5	21.0	861
24 x 2.5	23.8	1033
25 x 2.5	24.0	1051
30 x 2.5	24.8	1183
32 x 2.5	26.1	1304
34 x 2.5	26.9	1405
37 x 2.5	27.2	1458
40 x 2.5	28.3	1578
50 x 2.5	32.0	1961
61 x 2.5	33.8	2285
2 x 4	10.8	177
3 x 4	11.5	232
4 x 4	12.7	293
5 x 4	14.1	373
7 x 4	15.4	474
2 x 6	12.3	237
3 x 6	13.0	309
4 x 6	14.4	398
5 x 6	15.9	498
7 x 6	17.4	639
2 x 10	15.5	377
3 x 10	16.6	506
4 x 10	18.4	655
5 x 10	20.3	812
7 x 10	22.4	1057