

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

Cross Section (mm ²)	Outer Diameter Approx (mm)	Cable Weight Approx (kg/km)
2 x 0.5	5.7	46
3 x 0.5	6.2	59
4 x 0.5	6.6	69
5 x 0.5	7.1	82
6 x 0.5	7.5	101
7 x 0.5	7.9	104
8 x 0.5	8.4	117
10 x 0.5	9.9	154
12 x 0.5	10.3	167
14 x 0.5	10.9	189
15 x 0.5	11.5	210
16 x 0.5	11.5	213
18 x 0.5	12.1	243
19 x 0.5	12.3	247
20 x 0.5	12.6	262
21 x 0.5	12.8	265
24 x 0.5	14.4	325
25 x 0.5	14.6	329
30 x 0.5	15.2	372
32 x 0.5	15.7	398
34 x 0.5	16.3	435
37 x 0.5	16.5	446
40 x 0.5	17.1	479
42 x 0.5	17.8	516
50 x 0.5	19.5	603
61 x 0.5	20.7	699
2 x 0.75	6.3	58
3 x 0.75	6.6	70
4 x 0.75	7.1	84
5 x 0.75	7.9	105
6 x 0.75	8.3	122
7 x 0.75	8.5	128
8 x 0.75	9.3	150
10 x 0.75	11.0	197
12 x 0.75	11.4	213
14 x 0.75	12.1	244
15 x 0.75	12.5	268
16 x 0.75	12.7	273
18 x 0.75	13.3	312
19 x 0.75	13.5	317
20 x 0.75	13.9	342

Cross Section (mm ²)	Outer Diameter Approx (mm)	Cable Weight Approx (kg/km)
21 x 0.75	14.1	347
24 x 0.75	15.8	415
25 x 0.75	16.0	421
30 x 0.75	16.8	479
32 x 0.75	17.3	510
34 x 0.75	17.9	554
37 x 0.75	18.1	570
40 x 0.75	18.7	611
42 x 0.75	19.6	662
50 x 0.75	21.4	772
61 x 0.75	22.7	897
2 x 1	6.7	66
3 x 1	7.0	81
4 x 1	7.8	102
5 x 1	8.4	123
7 x 1	9.3	157
8 x 1	9.9	177
10 x 1	12.1	243
12 x 1	12.4	260
14 x 1	13.0	292
15 x 1	13.7	332
16 x 1	13.9	339
18 x 1	14.2	373
19 x 1	14.5	381
20 x 1	15.2	416
21 x 1	15.4	422
24 x 1	17.3	510
25 x 1	17.5	517
30 x 1	18.2	583
32 x 1	18.9	628
34 x 1	19.5	678
37 x 1	19.7	699
40 x 1	20.4	752
42 x 1	21.3	810
50 x 1	23.2	942
61 x 1	24.7	1103
2 x 1.5	7.9	91
3 x 1.5	8.3	112
4 x 1.5	9.2	142
5 x 1.5	10.0	173
6 x 1.5	11.1	211

Cross Section (mm ²)	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 ²)	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