

LIYCY 300/500V

Copper braided screen cable

Suitable for EMC-sensitive applications



LIYCY

Coloured cores according to DIN 47100

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

Conductor	: Stranded bare Cu conductor, fine wire
Conductor structure	: Stranding according to IEC 60228, Class 5
Insulation	: PVC core twisted in layers, film wrapping, Tinned copper wire braided screening, approx. 85% coverage
Insulation color	: DIN 47100
Sheath	: PVC outer sheath
Sheath color	: Grey color, RAL7001
Rated voltage	: 300/500 V
Test voltage	: 2500 VAC / 5 min.
Insulation resistance	: $\geq 20\text{M}\Omega \times \text{Km}$
Temp. range	: Moved = -5°C to 70°C : Unmove = -30°C to 70°C
Bending radius	: 15 x cable diameter
Flame retardant	: IEC-60332-1

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Cross Section	Outer Diameter approx.	Cable Weight approx.
(mm ²)	(mm)	(kg/km)
2 x 0,22	4,10	25
3 x 0,22	4,30	28
4 x 0,22	4,70	37
5 x 0,22	5,00	42
6 x 0,22	5,30	48
8 x 0,22	5,60	58
10 x 0,22	6,60	75
12 x 0,22	7,10	86
14 x 0,22	7,40	91
16 x 0,22	7,70	103
18 x 0,22	8,00	110
20 x 0,22	8,20	120
2 x 0,34	4,60	29
3 x 0,34	4,80	34
4 x 0,34	5,10	44
5 x 0,34	5,60	53
6 x 0,34	5,90	60
8 x 0,34	6,20	72
10 x 0,34	7,60	87
12 x 0,34	7,90	100
14 x 0,34	8,30	116
16 x 0,34	8,70	128
18 x 0,34	9,20	140
20 x 0,34	9,70	153
2 x 0,50	5,40	31
3 x 0,50	5,60	51
4 x 0,50	6,10	64
5 x 0,50	6,90	74
6 x 0,50	7,40	86
7 x 0,50	7,40	93
8 x 0,50	7,70	105
10 x 0,50	9,40	129
12 x 0,50	9,60	140
14 x 0,50	10,10	160
16 x 0,50	10,70	180
18 x 0,50	11,20	196
20 x 0,50	11,60	215
2 x 0,75	5,80	53
3 x 0,75	6,10	64
4 x 0,75	6,70	77
5 x 0,75	7,40	94
6 x 0,75	8,00	110
7 x 0,75	8,00	113
8 x 0,75	8,40	125
10 x 0,75	10,20	155
12 x 0,75	10,50	176

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Cross Section	Outer Diameter approx.	Cable Weight approx.
(mm ²)	(mm)	(kg/km)
14 x 0,75	11,00	200
16 x 0,75	11,60	225
18 x 0,75	12,60	261
20 x 0,75	13,00	280
2 x 1	6,20	61
3 x 1	6,70	76
4 x 1	7,20	91
5 x 1	7,90	109
6 x 1	8,50	127
7 x 1	8,50	136
8 x 1	9,20	153
10 x 1	10,90	190
12 x 1	11,30	215
14 x 1	12,20	254
16 x 1	12,50	282
18 x 1	13,60	317
20 x 1	14,00	339
2 x 1,5	6,80	79
3 x 1,5	7,10	99
4 x 1,5	7,70	108
5 x 1,5	8,50	135
6 x 1,5	9,30	160
7 x 1,5	9,30	170
8 x 1,5	9,80	190
10 x 1,5	12,20	245
12 x 1,5	12,50	280
14 x 1,5	13,10	313
16 x 1,5	13,90	353
18 x 1,5	14,50	392
20 x 1,5	15,50	426
2 x 2,5	8,20	102
3 x 2,5	8,40	135
4 x 2,5	9,60	169
5 x 2,5	10,60	201
6 x 2,5	11,50	244
7 x 2,5	11,50	260
8 x 2,5	12,50	305
10 x 2,5	15,00	371
12 x 2,5	15,40	422
14 x 2,5	16,40	502
16 x 2,5	17,40	561
18 x 2,5	18,30	625
20 x 2,5	18,90	676
12x4	20.9	798.4

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Core no.		Color
1	white	
2	brown	
3	green	
4	yellow	
5	grey	
6	pink	
7	blue	
8	red	
9	black	
10	violet	
11	grey / pink	
12	red / blue	
13	white / green	
14	brown / green	
15	white / yellow	

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Core no.	Color	
16	yellow / brown	
17	white / grey	
18	grey / brown	
19	white / pink	
20	pink / brown	
21	white / blue	
22	brown / blue	
23	white / red	
24	brown / red	
25	white / black	
26	brown / black	
27	grey / green	
28	yellow / grey	
29	pink / green	
30	yellow / pink	

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Core no.	Color	
31	green / blue	
32	yellow / blue	
33	green / red	
34	yellow / red	
35	green / black	
36	yellow / black	
37	grey / blue	
38	pink / blue	
39	grey / red	
40	pink / red	
41	grey / black	
42	pink / black	
43	blue / black	
44	red / black	
45	white / brown / black	

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Core no.	Color	
46	yellow / green / black	
47	grey / pink / black	
48	red / blue / black	
49	white / green / black	
50	brown / green / black	
51	white / yellow / black	
52	yellow / brown / black	
53	white / grey / black	
54	grey / brown / black	
55	white / pink / black	
56	pink / brown / black	
57	white / blue / black	
58	brown / blue / black	
59	white / red / black	
60	brown / red / black	

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Core no.	Color	
61	black / white	 A diagram showing a sequence of eight colored segments: black, white, black, white, black, white, black, white.