

LIYCY 300/500V

Copper braided screen cable

Suitable for EMC-sensitive applications



LIYCY UV RESISTANT

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	: FR-PVC core , film wrapping, Tinned copper wire braided screening, approx. 75% coverage
Insulation color	: DIN 47100, VDE
Sheath	: FR-PVC UV Resistant
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
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