



Becatech

Interconnective Power



**Flexible shielded data cable
(LIYCY DIN 47100)**

Cable Structure :

Conductor: flexible bare copper according to IEC 60228 (class 5).

Insulation: PVC.

Shielding: copper braid tinned, coverage 85%.

Outer sheath: PVC.

Technical Specification :

Rated temperature fixed installation: -30°C to 80°C.

Rated temperature flexible installation: -5°C to 70°C.

Flame retardant and self-extinguishing according to IEC 60332-1.

Rated bending radius:

- Fixed installation: up to 12mm: 5 x ϕ .
- Fixed installation: up to 20mm: 7.5 x ϕ .
- Fixed installation: > 20mm: 10 x ϕ .
- Flexible installation: up to 12mm: 10 x ϕ .
- Flexible installation: up to 20mm: 15 x ϕ .
- Flexible installation: > 20mm: 20 x ϕ .

Application :

For transmission of analog and digital signals in process controlled facilities in measurements and control technology for lossless transmission of data and signal.

Suitable for use in dry and humid rooms, outdoor use only with UV-protection, no laying underground.

Core x mm ²	Overall Diameter mm	Cu Weight (kg/km)	Weight (kg/km)
2x0.14	3.7	12.0	18
3x0.14	3.8	13.0	22
4x0.14	4.1	14.3	25

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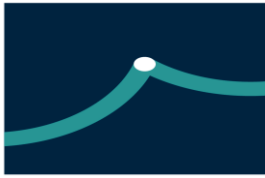
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5x0.14	4.6	15.5	31
6x0.14	4.8	18.2	34
7x0.14	4.9	19.0	38
8x0.14	5.3	24.0	41
10x0.14	5.9	29.0	49
12x0.14	6.1	32.1	54
14x0.14	6.4	35.0	63
16x0.14	7.0	43.0	68
21x0.14	7.5	55.5	80
25x0.14	8.2	63.0	103
27x0.14	8.3	65.0	104
36x0.14	9.3	85.0	131
40x0.14	10.0	101.0	152
50x0.14	11.1	123.0	183
61x0.14	12.4	142.0	232
2x0.25	4.3	16.0	27
3x0.25	4.4	21.0	30
4x0.25	4.8	24.0	35
5x0.25	5.3	29.0	44
6x0.25	5.7	30.0	49
7x0.25	5.8	37.0	52
8x0.25	6.2	42.0	59
10x0.25	7.1	46.0	71
12x0.25	7.3	59.0	79
14x0.25	7.7	62.0	88
16x0.25	8.1	64.0	105
18x0.25	8.5	83.0	114
21x0.25	9.0	93.0	126
24x0.25	10.4	112.0	156
25x0.25	10.5	114.0	164
36x0.25	11.8	148.0	210
40x0.25	12.3	157.0	229
50x0.25	13.8	178.0	298
61x0.25	15.0	205.0	347
2x0.34	4.7	21.0	31
3x0.34	4.9	27.0	40
4x0.34	5.4	28.0	48
5x0.34	5.8	30.0	53
6x0.34	6.3	45.0	60

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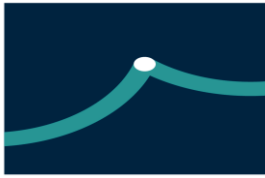
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7x0.34	6.4	48.0	65
8x0.34	7.0	52.0	75
10x0.34	7.9	74.0	89
12x0.34	8.2	80.0	113
14x0.34	8.6	86.0	120
16x0.34	9.0	94.0	132
18x0.34	9.8	103.0	144
20x0.34	10.5	112.0	169
21x0.34	10.7	116.0	172
24x0.34	11.7	132.0	199
25x.034	11.7	135.0	209
27x0.34	11.8	148.0	217
36x0.34	13.2	179.0	277
40x0.34	14.1	200.0	316
50x0.34	15.9	235.0	387
61x0.34	16.8	298.0	423
2x0.5	5.2	29.0	40
3x0.5	5.5	38.0	46
4x0.5	6.0	43.0	54
5x0.5	6.3	51.0	63
6x0.5	7.0	59.0	75
7x0.5	7.2	65.0	82
8x0.5	7.7	70.0	92
10x0.5	8.8	88.0	118
12x0.5	9.1	99.0	132
16x0.5	10.6	125.0	175
18x0.5	11.1	134.0	195
20x0.5	11.9	149.0	212
24x0.5	12.8	189.0	254
25x0.5	13.3	211.0	266
2x0.75	5.9	38.0	48
3x0.75	6.1	49.0	57
4x0.75	6.7	58.0	77
5x0.75	7.3	67.0	98
6x0.75	7.9	85.0	115
7x0.75	8.1	100.0	120
8x0.75	8.4	118.0	139
10x0.75	10.5	130.0	164

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12x0.75	10.8	154.0	196
18x0.75	12.6	195.0	284
25x0.75	15.2	280.0	361
2x1	6.1	43.0	55
3x1	6.5	56.0	80
4x1	7.0	68.0	97
5x1	7.6	79.0	116
7x1	8.4	118.0	136
8x1	9.0	135.0	155
9x1	9.3	136.0	176
10x1	10.9	140.0	197
12x1	11.4	168.0	227
18x1	13.4	252.0	325
20x1	14.5	290.0	361
24x1	15.6	320.0	469
2x1.5	7.1	58.0	86
3x1.5	7.4	74.0	107
4x1.5	8.1	108.0	119
5x1.5	8.9	129.0	142
7x1.5	9.8	164.0	193
12x1.5	13.0	254.0	312
18x1.5	15.9	350.0	465
Single core grey			
1x0.14	2.6	6.0	12.8
1x0.25	3.0	7.5	17.5
1x0.5	3.4	10.2	20
1x0.75	3.6	15.7	31
1x1	3.7	23.8	32
1x1.5	4.0	25.2	39
1x2.5	5.8	37.6	55.3
Single core transparent			
1x0.14	2.6	6.0	12.8
1x0.25	3.0	7.5	17.5
1x0.5	3.4	10.2	20
1x0.75	3.6	15.7	31
1x1	3.7	23.8	32
1x1.5	4.0	25.2	39
1x2.5	5.8	37.6	55.3

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