

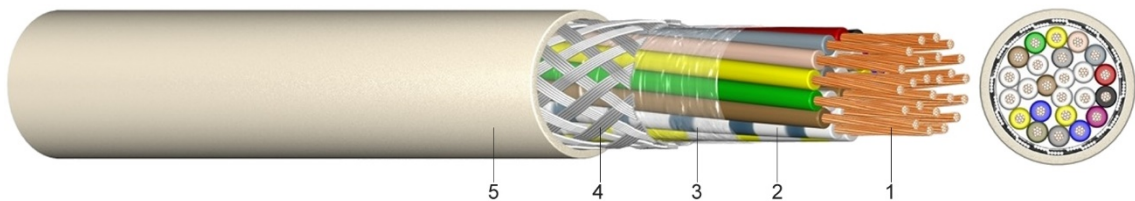
LiYCY DIN 47100

Electronic cable, 350 V
+70 °C service temperature, screened
adapted to DIN VDE 0812 and EN 50575

Application

Screened electronic cable for signal transmission between electronic devices, in computer systems or process control units with increased electromagnetic compatibility requirements.

Construction



- | | |
|----------------------|--|
| 1. Conductor: | Copper conductor, bare, flexible (class 5) |
| 2. Insulation: | PVC |
| Core identification: | Colour coded as per DIN 47100 |
| 3. Separator: | Plastic tape (optional) |
| 4. Screen: | Copper wire braid, tinned |
| 5. Outer sheath: | PVC, grey or blue |

Technical information

Peak operating voltage	350 V
Max. permissible temperature at conductor	70 °C
Min. operating temperature	fixed installation -30 °C
Min. temperature during installation	-5 °C

Safety parameters

Reaction to fire	EN 50399 E _{ca}
Flame spread	on request EN 50399 C _{ca} – s2, d0, a3
	single cable IEC 60332-1-2

Additional parameters

Largely oil resistant

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N° of cores and size mm ²	Outer-diameter approx. mm	Copper index approx. kg/km	Cable weight approx. kg/km
2 x 0,14	3,7	12,0	20
3 x 0,14	3,9	13,0	28
4 x 0,14	4,1	14,3	33
5 x 0,14	4,6	15,5	38
7 x 0,14	4,9	19,0	49
8 x 0,14	5,3	24,0	56
10 x 0,14	6,1	28,5	66
12 x 0,14	6,3	30,4	78
16 x 0,14	7,0	43,0	90
18 x 0,14	7,3	48,8	104
21 x 0,14	7,6	55,5	121
25 x 0,14	8,2	63,0	149
28 x 0,14	8,5	66,1	153
32 x 0,14	9,0	73,6	164
36 x 0,14	9,3	83,0	183
40 x 0,14	10,0	91,0	210
44 x 0,14	10,7	110,5	225
50 x 0,14	11,1	122,5	253
2 x 0,25	4,5	16,0	32
3 x 0,25	4,5	21,0	37
4 x 0,25	5,0	24,0	41
5 x 0,25	5,4	29,0	51
7 x 0,25	5,8	37,0	65
8 x 0,25	6,6	42,0	73
10 x 0,25	7,3	46,0	82
12 x 0,25	7,5	59,0	91
14 x 0,25	8,0	62,0	99
16 x 0,25	8,4	64,0	124
18 x 0,25	8,8	83,0	143
21 x 0,25	9,3	93,0	161
25 x 0,25	10,7	114,0	172
28 x 0,25	10,8	126,0	181
32 x 0,25	11,4	138,0	203
36 x 0,25	11,8	148,0	220
40 x 0,25	12,3	157,0	248
44 x 0,25	13,3	165,0	292
50 x 0,25	13,8	178,0	318
61 x 0,25	15,0	205,0	365

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2 x 0,34	4,9	21,0	37
3 x 0,34	5,1	27,0	49
4 x 0,34	5,5	28,0	59
5 x 0,34	6,2	30,0	66
6 x 0,34	6,6	45,0	79
7 x 0,34	6,8	48,0	83
8 x 0,34	7,3	52,0	94
10 x 0,34	8,1	74,0	129
12 x 0,34	8,5	80,0	142
14 x 0,34	8,9	86,0	154
16 x 0,34	9,4	94,0	160
18 x 0,34	10,0	103,0	173
21 x 0,34	10,7	116,0	199
25 x 0,34	11,9	135,0	259
28 x 0,34	12,0	153,0	280
32 x 0,34	13,0	165,0	305
36 x 0,34	13,4	179,0	331
40 x 0,34	14,2	200,0	365
44 x 0,34	15,3	215,0	314
50 x 0,34	15,9	235,0	431
2 x 0,50	5,4	29,0	54
3 x 0,50	5,7	38,0	67
4 x 0,50	6,3	43,0	77
5 x 0,50	6,8	51,0	90
6 x 0,50	7,4	59,0	104
7 x 0,50	7,4	65,0	112
8 x 0,50	8,1	70,0	135
10 x 0,50	9,1	88,0	160
12 x 0,50	9,4	99,0	177
18 x 0,50	11,3	134,0	239
20 x 0,50	11,9	149,0	276
25 x 0,50	13,7	211,0	352
30 x 0,50	14,5	230,0	397
2 x 0,75	6,0	38,0	64
3 x 0,75	6,3	49,0	76
4 x 0,75	7,0	58,0	92
5 x 0,75	7,6	67,0	109
7 x 0,75	8,2	100,0	156
10 x 0,75	10,5	130,0	187
12 x 0,75	10,8	154,0	218
18 x 0,75	12,6	195,0	327
25 x 0,75	15,3	280,0	454
30 x 0,75	15,8	312,0	486

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N° of cores and size mm ²	Outer-diameter approx. mm	Copper index approx. kg/km	Cable weight approx. kg/km
2 x 1,0	6,3	43,0	72
3 x 1,0	6,8	56,0	90
4 x 1,0	7,3	68,0	109
5 x 1,0	7,8	79,0	126
7 x 1,0	8,6	118,0	171
10 x 1,0	11,1	140,0	228
12 x 1,0	11,4	168,0	259
18 x 1,0	13,4	252,0	389
25 x 1,0	16,2	335,0	517
2 x 1,5	7,1	58,0	90
3 x 1,5	7,5	74,0	115
4 x 1,5	8,1	108,0	153
5 x 1,5	8,9	129,0	176
7 x 1,5	9,8	164,0	220
12 x 1,5	13,0	254,0	376
18 x 1,5	15,9	350,0	519
25 x 1,5	19,9	550,0	901
2 x 1,0	6,3	43,0	72
3 x 1,0	6,8	56,0	90
4 x 1,0	7,3	68,0	109
5 x 1,0	7,8	79,0	126
7 x 1,0	8,6	118,0	171
10 x 1,0	11,1	140,0	228
12 x 1,0	11,4	168,0	259
18 x 1,0	13,4	252,0	389
25 x 1,0	16,2	335,0	517

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.