



LiYCY

Application and Description

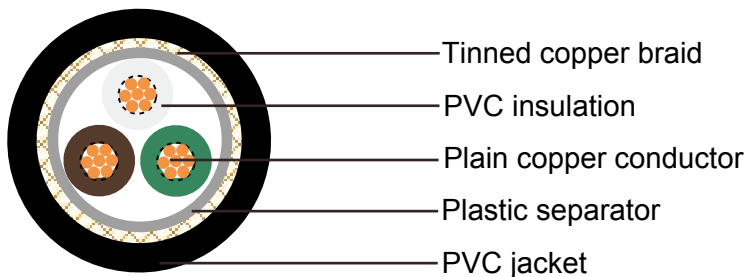
LiYCY screened cables are suitable for flexible use with free movement, but without tensile stress or forced movements in dry wet and moist areas but are not suitable for open air application. LiYCY cables are ideal whenever construction requirements call for minimal outer diameter such as areas of tool making, machine industry, eletrotechnics, computers, measuring and controlling technics. The extremely small outer diameter makes the cable also suitable for miniature plugs.

Standard and Approval

VDE 0245, VDE 0812, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

Cable Construction

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- Cores twisted into layers
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket to DIN VDE 0281 part 1



LiYCY



German Standard (VDE)

Technical Characteristics

- Working voltage: 250 volts
- Test voltage: 1200/1500 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km



Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Copper Weight kg / km	Cable Weight kg / km
26(18/38)	2X0.14	3.9	12	20
26(18/38)	3X0.14	4.1	13	28
26(18/38)	4X0.14	4.3	14.3	33
26(18/38)	5X0.14	4.6	15.5	38
26(18/38)	6X0.14	4.8	22	38
26(18/38)	7X0.14	4.9	19	49
26(18/38)	8X0.14	5.3	21.2	56
26(18/38)	10X0.14	5.9	28.5	66
26(18/38)	12X0.14	6.3	30.4	78
26(18/38)	14X0.14	6.5	32	80
26(18/38)	15X0.14	6.7	37.8	86
26(18/38)	16X0.14	6.8	43	90
26(18/38)	18X0.14	7.1	48.8	104
26(18/38)	20X0.14	7.6	53.9	116
26(18/38)	21X0.14	7.7	55.5	121
26(18/38)	25X0.14	8.5	63	149
26(18/38)	28X0.14	8.5	66.1	153
26(18/38)	30X0.14	8.7	69	158
26(18/38)	32X0.14	9	73.6	164
26(18/38)	36X0.14	9.3	83	183
26(18/38)	40X0.14	9.7	87.5	210
26(18/38)	44X0.14	10.3	110.5	225
26(18/38)	50X0.14	11.1	122.5	253
24(14/34)	2X0.25	4.5	16	32
24(14/34)	3X0.25	4.7	21	37



Addison Industrial Cables

German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Copper Weight kg / km	Cable Weight kg / km
24(14/34)	4X0.25	5.1	24	41.3
24(14/34)	5X0.25	5.4	29	51.2
24(14/34)	6X0.25	5.8	30	58
24(14/34)	7X0.25	5.8	37	65
24(14/34)	8X0.25	6.5	42	73
24(14/34)	10X0.25	7.5	46	82
24(14/34)	12X0.25	7.7	59	145
24(14/34)	14X0.25	8.1	59	99
24(14/34)	15X0.25	8.4	61	111
24(14/34)	16X0.25	8.4	64	124
24(14/34)	18X0.25	8.8	83	143
24(14/34)	20X0.25	9.1	88	152.3
24(14/34)	21X0.25	9.3	93	161
24(14/34)	25X0.25	10.3	114	172
24(14/34)	28X0.25	10.8	126	181.1
24(14/34)	30X0.25	11.1	132	189
24(14/34)	32X0.25	11.4	138	203
24(14/34)	36X0.25	11.8	148	220
24(14/34)	40X0.25	12.3	157	248
24(14/34)	44X0.25	13.3	165	292.1
24(14/34)	50X0.25	13.9	178	318
24(14/34)	61X0.25	14.6	205	365.2
22(7/30)	2X0.34	4.9	21	37
22(7/30)	3X0.34	5.1	27	49
22(7/30)	4X0.34	5.5	33	59
22(7/30)	5X0.34	6.2	36	66
22(7/30)	6X0.34	6.8	36	64
22(7/30)	7X0.34	6.8	46	83
22(7/30)	8X0.34	7.3	52	94
22(7/30)	10X0.34	8.3	74	129.2
22(7/30)	12X0.34	8.5	80	142
22(7/30)	14X0.34	8.9	86	154
22(7/30)	15X0.34	9.2	90	155
22(7/30)	16X0.34	9.4	94	160
22(7/30)	18X0.34	9.8	103	173
22(7/30)	20X0.34	10.2	112	192
22(7/30)	21X0.34	10.3	116	199.2
22(7/30)	25X0.34	11.9	135	259
22(7/30)	28X0.34	12	153	280
22(7/30)	30X0.34	12.3	159	291.1
22(7/30)	32X0.34	13	165	305
22(7/30)	36X0.34	13.4	179	331
22(7/30)	40X0.34	13.9	200	365



German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Copper Weight kg / km	Cable Weight kg / km
22(7/30)	44X0.34	14.9	215	314.2
22(7/30)	50X0.34	15.9	235	431
20(16/32)	2X0.5	5.5	29	54
20(16/32)	3X0.5	5.8	38	67
20(16/32)	4X0.5	6.5	43	77
20(16/32)	5X0.5	7	51	90
20(16/32)	6X0.5	7.8	59	104
20(16/32)	7X0.5	7.8	65	112
20(16/32)	8X0.5	8.3	70	135
20(16/32)	10X0.5	9.5	88	160
20(16/32)	12X0.5	9.8	99	177
20(16/32)	18X0.5	11.8	134	239
20(16/32)	20X0.5	12.2	149	276
20(16/32)	25X0.5	14	211	352
20(16/32)	30X0.5	14.5	230	397
18(24/32)	2X0.75	5.9	38	64
18(24/32)	3X0.75	6.4	49	76
18(24/32)	4X0.75	7	58	92
18(24/32)	5X0.75	7.8	67	109
18(24/32)	7X0.75	8.4	100	156
18(24/32)	10X0.75	10.3	130	187
18(24/32)	12X0.75	11	154	218
18(24/32)	18X0.75	13	195	327
18(24/32)	25X0.75	15.6	280	454
18(24/32)	30X0.75	16.2	312	486
17(32/32)	2X1.0	6.5	43	72
17(32/32)	3X1.0	6.9	56	90
17(32/32)	4X1.0	7.6	68	109
17(32/32)	5X1.0	8.3	79	126
17(32/32)	7X1.0	9	118	171
17(32/32)	10X1.0	11.5	140	228
17(32/32)	12X1.0	11.9	168	259
17(32/32)	18X1.0	14	252	389
17(32/32)	25X1.0	16.7	335	517
16(30/30)	2X1.5	7.6	58	90
16(30/30)	3X1.5	8	74	115
16(30/30)	4X1.5	8.7	108	153
16(30/30)	5X1.5	9.5	129	176
16(30/30)	7X1.5	10.3	164	220
16(30/30)	12X1.5	13.9	254	376
16(30/30)	18X1.5	16.6	350	519
16(30/30)	25X1.5	20	550	901