

# Electronic cable

## LiYY



**Application:** For signal transmission between electronic devices, in computer systems, process control units or office equipment.

### Construction and technical data:

<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	PVC
<b>Sheathing material:</b>	PVC (tube extrusion)
<b>Colour of outer sheath:</b>	grey RAL 7032
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Permitted outer cable temperature, fixed, °C:</b>	-30 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	5 - 70 °C
<b>Impedance:</b>	85 Ohm
<b>Insulation resistance:</b>	100 MOhm $\times$ km
<b>Specific inductivity:</b>	0.7 mH/km



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

### LiYY

<b>Maximum operating capacity:</b>	120 nF/km
<b>Test voltage:</b>	1.2 kV
<b>Core identification:</b>	colours acc. to DIN 47100
<b>peak operating voltage, V:</b>	250 V

part no.	part name	RI [Ohm/km]	Ibl [A]	Rbv [mm]	Rbb [mm]	Ø [mm]	Cu	G [kg]
030174	02X0.14	138	2	19.2	48	3.2	2,7	12
030175	03X0.14	138	2	20.4	51	3.4	4,1	17
030395	04X0.14	138	2	22.2	55.5	3.7	5,4	19
030177	05X0.14	138	2	24	60	4	6,8	22
030178	06X0.14	138	2	26.4	66	4.4	8,1	25

part no.	part name	RI [Ohm/km]	Ibl [A]	Rbv [mm]	Rbb [mm]	Ø [mm]	Cu	G [kg]
030179	07X0.14	138	2	28.2	70.5	4.7	9,5	27
030180	08X0.14	138	2	31.8	79.5	5.3	10,8	30
030181	10X0.14	138	2	33.6	84	5.6	13,5	41
030182	12X0.14	138	2	34.8	87	5.8	16,2	48
030183	14X0.14	138	2	36.6	91.5	6.1	18,9	54
030184	16X0.14	138	2	38.4	96	6.4	21,6	60
030575	18X0.14	138	2	40.2	100.5	6.7	24,1	72
031374	20X0.14	138	2	44.4	111	7.4	26,9	73
030186	21X0.14	138	2	45	112.5	7.5	28,4	77
030187	24X0.14	138	2	46.8	117	7.8	32,3	94
030603	25X0.14	138	2	47.4	118.5	7.9	34,3	100
030188	27X0.14	138	2	52.2	130.5	8.7	36,3	107
030198	02X0.25	79	4	21.6	54	3.6	4,8	17
030199	03X0.25	79	4	22.8	57	3.8	7,2	21
030200	04X0.25	79	4	24.6	61.5	4.1	9,6	27
030201	05X0.25	79	4	27	67.5	4.5	12	32
030202	06X0.25	79	4	30	75	5	14,4	40
030203	07X0.25	79	4	32.4	81	5.4	16,8	42
030204	08X0.25	79	4	36.6	91.5	6.1	19,2	51
030205	10X0.25	79	4	38.4	96	6.4	24	61
030206	12X0.25	79	4	39.6	99	6.6	28,8	71
030207	14X0.25	79	4	41.4	103.5	6.9	33,6	81
036703	37X0.25	79	4	58.2	145.5	9.7	89	157
030218	61X0.25	79	4	82.2	205.5	13.7	146,4	398
030219	02X0.34	57	6	25.2	63	4.2	6,5	19
030220	03X0.34	57	6	27	67.5	4.5	9,8	25
030221	04X0.34	57	6	29.4	73.5	4.9	13,1	32
030222	05X0.34	57	6	33.6	84	5.6	16,3	38
030223	06X0.34	57	6	36.6	91.5	6.1	19,6	44
030224	07X0.34	57	6	39.6	99	6.6	22,8	50
030574	08X0.34	57	6	43.2	108	7.2	26	61
030225	10X0.34	57	6	45.6	114	7.6	32,6	73
030573	12X0.34	57	6	47.4	118.5	7.9	39,2	85
030226	14X0.34	57	6	52.2	130.5	8.7	45,7	104
030228	18X0.34	57	6	57.6	144	9.6	58,8	131
030230	24X0.34	57	6	67.2	168	11.2	78,4	167
030233	32X0.34	57	6	76.8	192	12.8	104,4	225
037759	37X0,34	57	6	61.2	153	10.2	120,8	212
030241	02X0.5	39	9	33.6	84	5.6	9,6	23
030242	03X0.5	39	9	35.4	88.5	5.9	14,4	31
030243	04X0.5	39	9	38.4	96	6.4	19,2	39
030244	05X0.5	39	9	42	105	7	24	47
030246	07X0.5	39	9	45.6	114	7.6	33,6	65
030587	08X0.5	39	9	47.4	118.5	7.9	38,4	75
030248	10X0.5	39	9	56.4	141	9.4	48	92
030567	12X0.5	39	9	58.2	145.5	9.7	57,6	121
030250	16X0.5	39	9	64.8	162	10.8	76,8	146
030545	21X0.5	39	9	75.6	189	12.6	100,8	184
030527	02X0.75	26	12	35.4	88.5	5.9	14,4	48
030528	03X0.75	26	12	36	90	6	21,6	57
030529	04X0.75	26	12	39	97.5	6.5	28,8	69
037486	05X0.75	26	12	36	90	6	36	64
037031	07X0.75	26	12	43.2	108.5	7.2	50,4	83
036146	08X0.75	26	12	45	113	7.5	57,6	92
035105	12X0.75	26	12	65	151.5	10.1	86,4	179

part no.	part name	RI [Ohm/km]	Ibl [A]	Rbv [mm]	Rbb [mm]	Ø [mm]	Cu	G [kg]
031308	02X1	19.5	19	36	90	6	19,2	61
037043	04X2.5	7.98	32	58.2	145.5	9.7	96	142
030337	02X2X0.14	138	2	30.6	76.5	5.1	5,4	19
030338	03X2X0.14	138	2	34.8	87	5.8	8	26
030339	04X2X0.14	138	2	38.4	96	6.4	10,7	34
030340	05X2X0.14	138	2	40.2	100.5	6.7	13,4	42
030341	06X2X0.14	138	2	43.2	108	7.2	16,1	48
030342	08X2X0.14	138	2	46.5	115.5	7.7	21,5	62
035595	16X2X0.14	138	2	58.8	147	9.8	43	110
037105	16X2X0.5	39	9	111.6	279	18.6	153,6	400

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Rbv	Bending radius, fixed installation
Rbb	Bending radius, moving application
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000