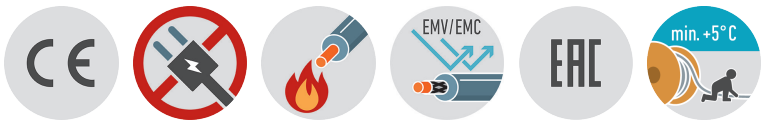
Screened electronic cable
LiYCY

Application: For signal transmission between electronic devices, in computer systems, process control units or office equipment with increased electromagnetic compatibility requirements.

Construction and technical data:

Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	PVC
Screen:	tinned copper braid
Screen coverage:	70 %
Sheathing material:	PVC (tube extrusion)
Colour of outer sheath:	grey RAL 7032
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed, °C:	-30 - +80 °C
Permitted outer cable temperature, moved, °C:	5 - 70 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	15 x Ø
Insulation resistance:	100 MOhmxkm
Specific inductivity:	0.65 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.

LiYCY

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

part no.	part name	RI [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
030253	02X0.14	138	2	3.8	12,4	21

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
030254	03X0.14	138	2	4	14,1	40
030255	04X0.14	138	2	4.1	15,8	43
030256	05X0.14	138	2	4.8	19,6	47
030257	06X0.14	138	2	4.9	22,2	52
030258	07X0.14	138	2	5	23,5	54
030259	08X0.14	138	2	5.3	25,2	58
030260	10X0.14	138	2	6.4	28,3	76
030261	12X0.14	138	2	6.7	31,4	81
030262	14X0.14	138	2	6.9	34,9	89
030263	16X0.14	138	2	7.3	48	97
030264	18X0.14	138	2	7.5	51,5	100
030926	20X0.14	138	2	7.8	58,3	116
030266	21X0.14	138	2	7.9	60,2	131
030267	24X0.14	138	2	9.1	74,3	158
031382	25X0.14	138	2	9.2	76,2	165
030268	27X0.14	138	2	9.4	84,3	179
030269	30X0.14	138	2	9.5	97,6	194
030270	32X0.14	138	2	10	105,2	198
030271	36X0.14	138	2	10.2	116,4	231
030272	40X0.14	138	2	10.5	126	252
030274	44X0.14	138	2	11.2	138,2	276
031383	48X0.14	138	2	11.7	145,8	301
030538	50X0.14	138	2	12	155	327
031384	52X0.14	138	2	12.3	157,4	340
031385	56X0.14	138	2	12.7	166,5	366
030278	61X0.14	138	2	12.8	176,5	377
030280	02X0.25	79	4	3.9	16	28
030281	03X0.25	79	4	4.3	21	34
030282	04X0.25	79	4	4.5	24	40
030283	05X0.25	79	4	5.1	29	47
030284	06X0.25	79	4	5.5	32,4	54
030285	07X0.25	79	4	5.9	37	61
030286	08X0.25	79	4	5.9	42,1	66
030287	10X0.25	79	4	6.4	49,9	80
030288	12X0.25	79	4	6.5	59	91
030289	14X0.25	79	4	8	64,2	120
031386	15X0.25	79	4	9.4	67,5	127
030290	16X0.25	79	4	9.6	70,8	135
030291	18X0.25	79	4	10	83	150
030927	20X0.25	79	4	10.2	88	157
030292	21X0.25	79	4	10.5	93	163
030293	24X0.25	79	4	12.1	114,2	212
031387	25X0.25	79	4	12.1	116,7	220
030294	27X0.25	79	4	12.2	122	226
030295	30X0.25	79	4	12.6	132,3	243
030296	32X0.25	79	4	13	137,8	256
030297	36X0.25	79	4	13.6	152	280
030298	40X0.25	79	4	14.1	163,5	302
030300	44X0.25	79	4	14.7	179	329
031388	48X0.25	79	4	14.8	192	444
030459	50X0.25	79	4	16	203	461
031389	52X0.25	79	4	16.2	233,1	479
031390	56X0.25	79	4	16.6	237	516
030304	61X0.25	79	4	20	287,2	593
030305	02X0.34	57	6	4.6	21	31

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
030306	03X0.34	57	6	4.7	27	38
030307	04X0.34	57	6	5.2	33	46
030308	05X0.34	57	6	5.6	36	54
030571	06X0.34	57	6	5.8	45	62
030309	07X0.34	57	6	5.9	51	70
030310	08X0.34	57	6	6.2	54	76
030311	10X0.34	57	6	8.9	74	114
030312	12X0.34	57	6	7.2	80	128
030460	14X0.34	57	6	9.5	86	141
030313	16X0.34	57	6	10	94	155
030314	18X0.34	57	6	10.7	107,5	186
030928	20X0.34	57	6	10.9	115,3	195
030315	21X0.34	57	6	11.2	119	201
030316	24X0.34	57	6	13	139	244
030317	27X0.34	57	6	13.1	149	261
030462	30X0.34	57	6	13.3	161,5	282
030318	32X0.34	57	6	13.8	170,8	298
030319	36X0.34	57	6	14.3	188,3	325
030320	40X0.34	57	6	14.8	203,5	352
030322	44X0.34	57	6	16.3	223,5	399
031391	48X0.34	57	6	16.8	264,8	544
030463	50X0.34	57	6	17.1	268	566
031392	52X0.34	57	6	17.4	269,6	589
031393	56X0.34	57	6	17.6	292	634
030323	61X0.34	57	6	18	418	736
030325	02X0.5	39	9	5	29	36
030326	03X0.5	39	9	5.4	39	45
030327	04X0.5	39	9	5.9	46	54
030328	05X0.5	39	9	6.6	57	67
030564	06X0.5	39	9	7.1	68,6	76
030330	07X0.5	39	9	7.2	80	84
030883	08X0.5	39	9	7.6	91,4	107
030332	10X0.5	39	9	8.8	100	134
030333	12X0.5	39	9	8.9	117	155
030565	16X0.5	39	9	10.7	129	186
030464	18X0.5	39	9	11	152	217
030933	20X0.5	39	9	11.6	165	239
030410	21X0.5	39	9	11.7	171	251
030566	24X0.5	39	9	13.3	236	300
031394	25X0.5	39	9	13.4	250	313
031395	27X0.5	39	9	13.6	265	338
030465	30X0.5	39	9	14	297	348
031396	32X0.5	39	9	14.5	301	363
031397	42X0.5	39	9	16.6	304,6	525
030550	50X0.5	39	9	18	407	625
031398	61X0.5	39	9	19	580	764
030511	02X0.75	26	12	5.6	38	62
030512	03X0.75	26	12	6	50	73
030513	04X0.75	26	12	6.6	58	92
030514	05X0.75	26	12	7	70	110
030572	06X0.75	26	12	7.7	87	128
030515	07X0.75	26	12	7.8	100	145
031678	08X0.75	26	12	9.8	110	151
030471	10X0.75	26	12	9.4	140	182
030472	12X0.75	26	12	9.9	154	216

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
037643	16X0.75	26	12	14.5	183	300
030473	18X0.75	26	12	13.9	207	311
030583	20X0.75	26	12	14.9	238	332
034913	24X0.75	26	12	15	270	390
030474	25X0.75	26	12	16.6	280,8	404
030475	30X0.75	26	12	18	318,7	497
030736	32X0.75	26	12	18.2	330	520
033873	40X0.75	26	12	20.9	480	676
030705	02X1	19.5	19	6	46	74
030672	03X1	19.5	19	6.4	56	89
030673	04X1	19.5	19	6.9	69	107
030670	05X1	19.5	19	7.5	89	132
036800	06X1	19.5	19	8.1	105	147
031154	07X1	19.5	19	8.3	118	158
031256	08X1	19.5	19	9.8	130	179
030671	10X1	19.5	19	8.5	145	215
031257	12X1	19.5	19	10.4	168	254
031258	16X1	19.5	19	13.1	220	330
031259	18X1	19.5	19	14.4	252	366
031260	20X1	19.5	19	14.5	269	399
034862	24X1 BK	19.5	19	16.2	344	440
031261	25X1	19.5	19	16	335	478
036801	30X1	19.5	19	15.9	430	502
030584	02X1.5	13.3	24	6.6	63	86
030586	03X1.5	13.3	24	7	76	107
030558	04X1.5	13.3	24	7.9	108	129
031155	05X1.5	13.3	24	8.9	129	150
031156	07X1.5	13.3	24	9.3	164	192
031262	08X1.5	13.3	24	12.5	172	219
031263	10X1.5	13.3	24	12.5	195	274
031264	12X1.5	13.3	24	13	254	315
031265	18X1.5	13.3	24	15.5	350	450
031266	20X1.5	13.3	24	17	375	500
031267	25X1.5	13.3	24	18.5	550	618
036692	32X1.5	13.3	24	19.3	575	925
035605	08X2.5	7.98	32	12.8	282	319
030360	02X2X0.14	138	2	5	22,6	44
030361	03X2X0.14	138	2	5.6	25,7	53
030362	04X2X0.14	138	2	6.1	39,3	60
030363	05X2X0.14	138	2	6.5	44,5	80
030364	06X2X0.14	138	2	7.2	51,4	85
030366	08X2X0.14	138	2	8.3	56,9	115
030367	10X2X0.14	138	2	9	65,3	130
030368	12X2X0.14	138	2	9.4	78,4	160
030369	14X2X0.14	138	2	11	84,3	180
030370	16X2X0.14	138	2	11.3	93,4	220
030371	18X2X0.14	138	2	11.9	99,4	240
030372	20X2X0.14	138	2	12.2	104,8	260
030374	25X2X0.14	138	2	13.4	127,7	315
030376	30X2X0.14	138	2	14.6	142,8	375
030476	32X2X0.14	138	2	14.6	148,8	390
030377	36X2X0.14	138	2	15.4	185,5	435
030378	44X2X0.14	138	2	17.1	210,5	530
030536	50X2X0.14	138	2	17.8	244,9	590
030537	55X2X0.14	138	2	18.8	260,7	620

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
030379	02X2X0.25	79	4	5.5	28	54
030516	03X2X0.25	79	4	6.2	39,6	66
030380	04X2X0.25	79	4	6.5	44,9	81
030381	05X2X0.25	79	4	9.4	55	98
030517	06X2X0.25	79	4	7.2	69,5	115
030518	08X2X0.25	79	4	10.5	76,9	130
030382	10X2X0.25	79	4	11.8	110	158
030383	12X2X0.25	79	4	11	121,5	190
030480	16X2X0.25	79	4	15.1	146,5	238
030481	25X2X0.25	79	4	19.4	233	344
030878	02X2X0.34	57	6	6.3	40,5	74
030879	03X2X0.34	57	6	8	49,8	98
030880	04X2X0.34	57	6	8.3	62,9	114
030881	06X2X0.34	57	6	10.6	84,1	157
030687	08X2X0.34	57	6	10.9	97,5	195
031271	12X2X0.34	57	6	14.3	138,3	272
030887	16X2X0.34	57	6	15.4	166,2	349
031269	18X2X0.34	57	6	16.6	205,6	399
031270	24X2X0.34	57	6	18.6	266,1	464
030392	02X2X0.5	39	9	7.1	54	93
030519	03X2X0.5	39	9	7.9	73,7	129
030393	04X2X0.5	39	9	8.9	91	146
030520	06X2X0.5	39	9	10.8	120	198
030521	08X2X0.5	39	9	11.7	144	259
030394	12X2X0.5	39	9	13.8	199	354
030485	16X2X0.5	39	9	17.3	254	459
034976	32X2X0.5	39	9	23.3	477	786
030522	02X2X0.75	26	12	7.7	58	106
030414	03X2X0.75	26	12	8.6	85	140
030523	04X2X0.75	26	12	9.6	108	179
035203	05X2X0.75	26	12	11.8	128	208
030524	06X2X0.75	26	12	11.9	146	246
034855	08X2X0.75	26	12	14.7	180	306
035704	10X2X0.75	26	12	15.5	220	312
031745	12X2X0.75	26	12	15.8	261	390
035705	20X2X0.75	26	12	19.2	392	615
037091	24X2X0.75	26	12	20.3	376	693
031322	02X2X1	19.5	19	8.5	84	136
031327	03X2X1	19.5	19	8.6	103	174
031189	04X2X1	19.5	19	10.4	132	226
037699	06X2X1	19.5	19	13.4	188	295
036690	08X2X1	19.5	19	14.1	240	385
032132	02X2X1.5	13.3	24	11.3	116	168

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000

