

# DATA CABLES



## LIYCY Multiconductor signal and control cable overall braid DIN Color code



Marking for LIYCY 03150714:  
SAB BRÖCKSKES · D-VIERSEN · LIYCY 7 x 0.14 mm² CE

LIYCY is a shielded, multiconductor signal and control cable recommended for use in European designed computer, data transmission and office equipment, process control and instrumentation, where additional EMI protection is required.

### Construction:

<b>Conductor:</b>	bare copper strands with reference to DIN VDE 0812
<b>Insulation:</b>	PVC, YI2 acc. to DIN VDE 0207 part 4
<b>Color code:</b>	with reference to DIN 47100
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	PVC, YM1 acc. to DIN VDE 0207 part 5
<b>Jacket color:</b>	gray

### Outstanding features:

- good EMC characteristic
- flexible
- small outer diameter
- small bending radius

### Technical data:

<b>Peak operating voltage:</b>	< 24 AWG = max. 350 V ≥ 24 AWG = max. 500 V
<b>Testing voltage:</b>	< 24 AWG = 800 V ≥ 24 AWG = 1200 V
<b>Min. bending radius</b>	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
<b>Capacitance:</b>	see page N/8
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>static:</i>	-30/+70 °C
<i>flexing:</i>	-5/+70 °C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
<b>Oil resistance:</b>	acc. to internal standard, see page N/27
<b>Chem. resistance:</b>	see page N/9
<b>Color code:</b>	see see page N/24
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

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item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mt	item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mt	item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mt
<b>▶ 26 AWG (≈18/38) • 0.14 mm<sup>2</sup></b>					<b>▶ 24 AWG (≈14/34) • 0.25 mm<sup>2</sup></b>					<b>▶ 22 AWG (≈7/30) • 0.34 mm<sup>2</sup></b>				
03150214	2	0.142	3.6	12	03150125	1	0.106	2.7	9	03150234	2	0.177	4.5	19
03150314	3	0.150	3.8	14	03150225	2	0.154	3.9	15	03150334	3	0.193	4.9	24
03150414	4	0.157	4.0	16	03150325	3	0.161	4.1	17	03150434	4	0.209	5.3	29
03150514	5	0.169	4.3	19	03150425	4	0.173	4.4	21	03150534	5	0.224	5.7	35
03150614	6	0.181	4.6	22	03150525	5	0.193	4.9	26	03150634	6	0.252	6.4	43
03150714	7	0.181	4.6	22	03150625	6	0.209	5.3	30	03150734	7	0.252	6.4	44
03150814	8	0.213	5.4	30	03150725	7	0.209	5.3	31	03150834	8	0.283	7.2	54
03151014	10	0.228	5.8	32	03150825	8	0.240	6.1	40	03151034	10	0.307	7.8	60
03151214	12	0.244	6.2	37	03150925	9	0.256	6.5	45	03151234	12	0.315	8.0	67
03151414	14	0.252	6.4	41	03151025	10	0.260	6.6	44	03151434	14	0.346	8.8	81
03151614	16	0.264	6.7	46	03151225	12	0.268	6.8	49	03151634	16	0.362	9.2	90
03151814	18	0.276	7.0	50	03151425	14	0.280	7.1	54	03151834	18	0.382	9.7	101
03152014	20	0.287	7.3	55	03151525	15	0.291	7.4	60	03152034	20	0.398	10.1	110
03152114	21	0.299	7.6	58	03151625	16	0.291	7.4	61	03152134	21	0.421	10.7	124
03152414	24	0.315	8.0	62	03151825	18	0.307	7.8	69	03152434	24	0.445	11.3	134
03152514	25	0.339	8.6	69	03152025	20	0.335	8.5	79	03152734	27	0.453	11.5	145
03152714	27	0.339	8.6	71	03152125	21	0.346	8.8	84	03153034	30	0.469	11.9	157
03153014	30	0.346	8.8	78	03152425	24	0.366	9.3	89	03153234	32	0.500	12.7	173
03153214	32	0.358	9.1	82	03152525	25	0.374	9.5	93	03153634	36	0.520	13.2	192
03153614	36	0.370	9.4	89	03152725	27	0.374	9.5	97	03154034	40	0.551	14.0	212
03154014	40	0.394	10.0	99	03153025	30	0.386	9.8	106	03154234	42	0.551	14.0	219
03154414	44	0.417	10.6	113	03153225	32	0.398	10.1	112	03154434	44	0.575	14.6	224
03154814	48	0.425	10.8	119	03153625	36	0.421	10.7	131	03154834	48	0.583	14.8	239
03155014	50	0.433	11.0	123	03154025	40	0.445	11.3	146	03155034	50	0.622	15.8	270
03155214	52	0.433	11.0	126	03154425	44	0.465	11.8	154	03155234	52	0.622	15.8	277
03155614	56	0.445	11.3	136	03154825	48	0.488	12.4	171	03155634	56	0.638	16.2	294
03156114	61	0.457	11.6	143	03155025	50	0.500	12.7	176	03156134	61	0.657	16.7	312
					03155225	52	0.500	12.7	181					
					03155625	56	0.512	13.0	194					
					03156125	61	0.528	13.4	206					

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E-mail: [info@sabcable.com](mailto:info@sabcable.com)



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