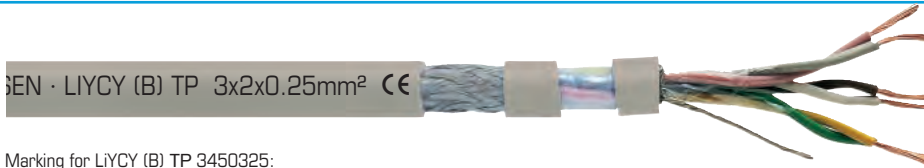


# Data Cables

## LiYCY (B) TP

Multi-pair signal and control cable with overall tinned copper braid and DIN color code



Marking for LiYCY (B) TP 3450325:

SAB BRÖCKSKES · D-VIERSEN · LiYCY (B) TP 3x2x0.25mm² CE

### Construction:

<b>Conductor:</b>	bare copper strands with reference to VDE 0812
<b>Insulation:</b>	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
<b>Color code:</b>	DIN 47100, see below
<b>Stranding:</b>	conductors twisted to pairs, pairs twisted in layers
<b>Wrapping:</b>	PETP foil
<b>Shielding:</b>	tinned copper braiding with a tinned copper drain wire (22 AWG)
<b>Jacket material:</b>	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Jacket color:</b>	grayish tan (RAL 7032)

### Technical data:

<b>Peak operating voltage:</b>	< 24 AWG = max. 350 V ≥ 24 AWG = max. 500 V
<b>Testing voltage:</b>	conductor/conductor: 1500 V conductor/shielding: 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 O/9
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b>	<i>static:</i> -30/+70°C <i>flexible:</i> -5/+70°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Oil resistance:</b>	acc. to internal standard, see page O/29
<b>Chemical resistance:</b>	see page O/11
<b>Approvals:</b>	CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### Outstanding features:



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

item no.	no. of pairs	outer-ø ± 10% inch	outer-ø ± 10% mm	cable weight ≈lbs/mft
<b>▶ 26 AWG (≈ 18/38) ▪ 0.14 mm<sup>2</sup></b>				
3450214	2	0.205	5.2	23
3450314	3	0.224	5.7	28
3450414	4	0.256	6.5	36
3450514	5	0.276	7.0	40
3450614	6	0.283	7.2	46
3450814	8	0.307	7.8	54
3451014	10	0.350	8.9	67
3451214	12	0.382	9.7	75
3451614	16	0.413	10.5	91
3451814	18	0.437	11.1	107
3452014	20	0.437	11.1	110
3452414	24	0.504	12.8	136
3452514	25	0.504	12.8	139
3452814	28	0.516	13.1	148
3453014	30	0.543	13.8	159
3453614	36	0.575	14.6	185
3454014	40	0.587	14.9	199
3454414	44	0.642	16.3	234
3455214	52	0.669	17.0	261
3456114	61	0.720	18.3	298

item no.	no. of pairs	outer-ø ± 10% inch	outer-ø ± 10% mm	cable weight ≈lbs/mft
<b>▶ 24 AWG (≈ 14/34) ▪ 0.25 mm<sup>2</sup></b>				
3450225	2	0.224	5.7	28
3450325	3	0.252	6.4	37
3450425	4	0.283	7.2	45
3450625	6	0.311	7.9	57
3450825	8	0.354	9.0	73
3451025	10	0.386	9.8	89
3451225	12	0.429	10.9	108
3451625	16	0.469	11.9	131
3451825	18	0.500	12.7	149
3452425	24	0.559	14.2	181
<b>▶ 22 AWG (≈ 7/30) ▪ 0.34 mm<sup>2</sup></b>				
3450234	2	0.268	6.8	38
3450334	3	0.291	7.4	48
3450434	4	0.346	8.8	67
3450534	5	0.374	9.5	78
3450634	6	0.382	9.7	86
3450834	8	0.417	10.6	97
3451234	12	0.528	13.4	151
3451634	16	0.575	14.6	188
3451834	18	0.594	15.1	206
3452434	24	0.693	17.6	279

item no.	no. of pairs	outer-ø ± 10% inch	outer-ø ± 10% mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm<sup>2</sup></b>				
3450250	2	0.283	7.2	44
3450350	3	0.311	7.9	56
3450450	4	0.370	9.4	75
3450650	6	0.409	10.4	98
3450850	8	0.429	10.9	112
3451050	10	0.520	13.2	154
3451250	12	0.567	14.4	180
3451650	16	0.642	16.3	247
3451850	18	0.665	16.9	268
3452050	20	0.665	16.9	281
3452450	24	0.748	19.0	330
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm<sup>2</sup></b>				
3450275	2	0.335	8.5	62
3450375	3	0.370	9.4	75
3450475	4	0.429	10.9	101
3450675	6	0.492	12.5	146
3451275	12	0.673	17.1	259
3451675	16	0.732	18.6	324
3451875	18	0.760	19.3	359
3452475	24	0.858	21.8	444

Other dimensions and colors are available on request

### DIN 47100 color code:

#1- white/brown, #2- green/yellow, #3- gray/pink, #4- blue/red, #5- black/purple, #6- gray-pink/red-blue, #7- white-green/brown-green, #8- white-yellow/yellow-brown, #9- white-gray/gray-brown, #10- white-pink/pink-brown, #11- white-blue/brown-blue, #12- white-red/brown-red, #13- white-black/brown-black, #14- gray-green/yellow-gray, #15- pink-green/yellow-pink, #16- green-blue/yellow-blue, #17- green-red/yellow-red, #18- green-black/yellow-black, #19- gray-blue/pink-blue, #20- gray-red/pink-red, #21- gray-black/pink-black, #22- blue-black, red-black, #23- white/brown, #24- green/yellow, #25- gray/pink, #26- blue/red, #27- black/purple, #28- gray-pink/red-blue, #29- white-green/brown-green, #30- white-yellow/yellow-brown, #31- white-gray/gray-brown, #32- white-pink/pink-brown, #33- white-blue/brown-blue, #34- white-red/brown-red, #35- white-black/brown-black, #36- gray-green/yellow-gray, #37- pink-green/yellow-pink, #38- green-blue/yellow-blue, #39- green-red/yellow-red, #40- green-black/yellow-black, #41- gray-blue/pink-blue, #42- gray-red/pink-red, #43- gray-black/pink-black, #44- blue-black, red-black, #45- white/brown, #46- green/yellow, #47- gray/pink, #48- blue/red, #49- black/purple, #50- gray-pink/red-blue, #51- white-green/brown-green, #52- white-yellow/yellow-brown, #53- white-gray/gray-brown, #54- white-pink/pink-brown, #55- white-blue/brown-blue, #56- white-red/brown-red, #57- white-black/brown-black, #58- gray-green/yellow-gray, #59- pink-green/yellow-pink, #60- green-blue/yellow-blue, #61- green-red/yellow-red

