

DATA CABLES



LIYCY (B) TP Multipair signal and control cable overall braid DIN Color code



Marking for LIYCY (B) TP 03450325:
SAB BRÖCKSKES · D-VIERSEN · LIYCY (B) TP 3 x 2 x 0.25 mm² CE

LIYCY (B) TP is a shielded, multi-paired signal and control cable recommended for use in European designed computers, data transmission and office equipment, process controls and instrumentation, where additional EMI protection is required. Twisting the conductors in special paired assemblies provides interference suppression in analog or digital signals.

Construction:

Conductor:	bare copper strands with reference to DIN VDE 0812
Insulation:	PVC, Y12 acc. to DIN VDE 0207 part 4
Color code:	with reference to DIN 47100
Stranding:	conductors twisted to pairs, pairs in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding with a tinned copper drain wire (22 AWG)
Jacket material:	PVC, YM1 acc. to DIN VDE 0207 part 5
Jacket color:	gray

Outstanding features:

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

Technical data:

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

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item no.	no. of pairs	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (≈18/38) • 0.14 mm²					▶ 24 AWG (≈14/34) • 0.25 mm²					▶ 20 AWG (≈ 16/32) • 0.50 mm²				
03450214	2	0.205	5.2	23	03450225	2	0.224	5.7	28	03450250	2	0.283	7.2	44
03450314	3	0.224	5.7	28	03450325	3	0.252	6.4	37	03450350	3	0.311	7.9	56
03450414	4	0.256	6.5	36	03450625	6	0.311	7.9	57	03450650	6	0.409	10.4	98
03450514	5	0.276	7.0	40	03450825	8	0.354	9.0	73	03450850	8	0.429	10.9	112
03450614	6	0.283	7.2	46	03451025	10	0.386	9.8	89	03451050	10	0.520	13.2	154
03450814	8	0.307	7.8	54	03451225	12	0.429	10.9	108	03451250	12	0.567	14.4	180
03451014	10	0.350	8.9	67	03451625	16	0.469	11.9	131	03451650	16	0.642	16.3	247
03451214	12	0.382	9.7	75	03451825	18	0.500	12.7	149	03451850	18	0.665	16.9	268
03451614	16	0.413	10.5	91	03452425	24	0.559	14.2	181	03452050	20	0.665	16.9	281
03451814	18	0.437	11.1	107	▶ 22 AWG (≈7/30) • 0.34 mm²					03452450	24	0.748	19.0	330
03452014	20	0.437	11.1	110	03450234	2	0.268	6.8	38	▶ 19 AWG (≈23/32) • 0.75 mm²				
03452414	24	0.504	12.8	136	03450334	3	0.291	7.4	48	03450275	2	0.335	8.5	62
03452514	25	0.504	12.8	139	03450434	4	0.346	8.8	67	03450375	3	0.370	9.4	75
03452814	28	0.516	13.1	149	03450534	5	0.374	9.5	78	03450675	6	0.492	12.5	146
03453014	30	0.543	13.8	159	03450634	6	0.382	9.7	86	03451275	12	0.673	17.1	259
03453614	36	0.575	14.6	185	03450834	8	0.417	10.6	97	03451675	16	0.732	18.6	324
03454014	40	0.587	14.9	199	03451234	12	0.528	13.4	151	03451875	18	0.760	19.3	360
03454414	44	0.642	16.3	234	03451634	16	0.575	14.6	188	03452475	24	0.858	21.8	444
03455214	52	0.669	17.0	261	03451834	18	0.594	15.1	206	Other dimensions and colors are possible on request.				
03456114	61	0.720	18.3	298	03452434	24	0.693	17.6	279					

