

# Data & Sensor Cables

## LIYDY-CY TP

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



ÖCKSKES · D-VIERSEN · LIYDY-CY TP 6x2x0.25mm<sup>2</sup> CE



Marking for LIYDY-CY TP 3410625:

SAB BRÖCKSKES · D-VIERSEN · LIYDY-CY TP 6x2x0.25mm<sup>2</sup> 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 page O/26
<b>Stranding:</b>	2 cores twisted to pairs
<b>Shielding:</b>	wrapped pair-wise with tinned copper wires
<b>Inner jacket:</b>	pair-wise PVC, TM2 acc. to EN50363-4-1 + VDE 0207-363-4-1
<b>Stranding:</b>	pairs in concentric layers
<b>Wrapping:</b>	PETP foil
<b>Shielding:</b>	tinned copper braiding with a tinned copper drain wire (equal to conductor section)
<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

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12

### Outstanding features:



- very good EMC characteristics
- flexible

item no.	no. of pairs	nominal outer-ø ± 10% inch	± 10% mm	cable weight ≈lbs/mft
<b>▶ 26 AWG (≈ 18/38) ▪ 0.14 mm<sup>2</sup></b>				
3410214	2	0.319	8.1	55
3410314	3	0.362	9.2	75
3410414	4	0.390	9.9	85
3410614	6	0.465	11.8	126
3410814	8	0.543	13.8	165
3411014	10	0.583	14.8	200
3411214	12	0.614	15.6	222
3411414	14	0.618	15.7	237
3411614	16	0.681	17.3	279
3412414	24	0.803	20.4	384
<b>▶ 24 AWG (≈ 14/34) ▪ 0.25 mm<sup>2</sup></b>				
3410225	2	0.331	8.4	62
3410325	3	0.370	9.4	82
3410425	4	0.457	11.6	118
3410625	6	0.547	13.9	162
3410825	8	0.594	15.1	210
3411025	10	0.650	16.5	238
3411225	12	0.665	16.9	261
3411425	14	0.685	17.4	286
3411625	16	0.736	18.7	323
3412425	24	0.933	23.7	476

item no.	no. of pairs	nominal outer-ø ± 10% inch	± 10% mm	cable weight ≈lbs/mft
<b>▶ 22 AWG (≈ 7/30) ▪ 0.34 mm<sup>2</sup></b>				
3410234	2	0.417	10.6	89
3410334	3	0.441	11.2	102
3410434	4	0.480	12.2	133
3410634	6	0.575	14.6	188
3410834	8	0.673	17.1	257
3411034	10	0.724	18.4	288
3411234	12	0.740	18.8	318
3411434	14	0.811	20.6	386
3411634	16	0.823	20.9	421
3412434	24	0.976	24.8	572

item no.	no. of pairs	nominal outer-ø ± 10% inch	± 10% mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm<sup>2</sup></b>				
3410250	2	0.425	10.8	95
3410350	3	0.441	11.2	112
3410450	4	0.528	13.4	157
3410650	6	0.591	15.0	216
3410850	8	0.717	18.2	291
3411050	10	0.783	19.9	339
3411250	12	0.819	20.8	373
3411450	14	0.843	21.4	408
3411650	16	0.909	23.1	468
3412450	24	1.043	26.5	645

Other dimensions and colors are available on request