

DATA CABLES

LIYDY-CY TP Multipair signal and control cable overall braid DIN Color code



Marking for LIYDY-CY TP 03410425:
SAB BRÖCKSKES · D-VIERSEN · LIYDY-CY TP 4 x 2 x 0.25 mm² CE

LIYDY-CY TP is a multi-paired, individually spiral shielded and overall braided shield and jacketed signal and control cable recommended for use in European designed computer, data transmission and office equipment, process control and instrumentation, where maximum EMI protection is required. Twisting the conductors in paired assemblies provides interference suppression in analog or digital signals. The additional braiding on the individual pairs prevents interference between transmission circuits.

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:	2 conductors together (twisted to pairs)
Screen:	wrapped pair-wise with tinned copper wires
Inner jacket:	pair-wise PVC, YM1 acc. to DIN VDE 0207 part 5
Stranding:	pairs in concentric layers
Wrapping:	PETP foil
Screen:	tinned copper braiding with a tinned copper drain wire (equal to conductor section)
Jacket material:	PVC, YM1 acc. to DIN VDE 0207 part 5
Jacket color:	gray

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

Outstanding features:

- very good EMC characteristic
- flexible

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item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft					
▶ 26 AWG (≈18/38) • 0.14 mm ²					▶ 22 AWG (≈7/30) • 0.34 mm ²					▶ 20 AWG (≈ 16/32) • 0.50 mm ²									
03410214	2	0.319	8.1	55	03410234	2	0.417	10.6	89	03410250	2	0.425	10.8	95					
03410314	3	0.362	9.2	75	03410334	3	0.441	11.2	102	03410350	3	0.441	11.2	112					
03410414	4	0.390	9.9	85	03410434	4	0.480	12.2	133	03410450	4	0.528	13.4	157					
03410614	6	0.465	11.8	126	03410634	6	0.575	14.6	188	03410650	6	0.591	15.0	216					
03410814	8	0.543	13.8	165	03410834	8	0.673	17.1	257	03410850	8	0.717	18.2	291					
03411014	10	0.583	14.8	200	03411034	10	0.724	18.4	288	03411050	10	0.783	19.9	339					
03411214	12	0.614	15.6	222	03411234	12	0.740	18.8	319	03411250	12	0.819	20.8	373					
03411414	14	0.618	15.7	237	03411434	14	0.811	20.6	386	03411450	14	0.843	21.4	408					
03411614	16	0.681	17.3	279	03411634	16	0.823	20.9	421	03411650	16	0.909	23.1	468					
03412414	24	0.803	20.4	384	03412434	24	0.976	24.8	572	03412450	24	1.043	26.5	645					
▶ 24 AWG (≈14/34) • 0.25 mm ²																			
03410225	2	0.331	8.4	62															
03410325	3	0.370	9.4	82															
03410425	4	0.457	11.6	118															
03410625	6	0.547	13.9	162															
03410825	8	0.594	15.1	210															
03411025	10	0.650	16.5	238															
03411225	12	0.665	16.9	261															
03411425	14	0.685	17.4	286															
03411625	16	0.736	18.7	323															
03412425	24	0.933	23.7	476															

Other dimensions and colors are possible on request.