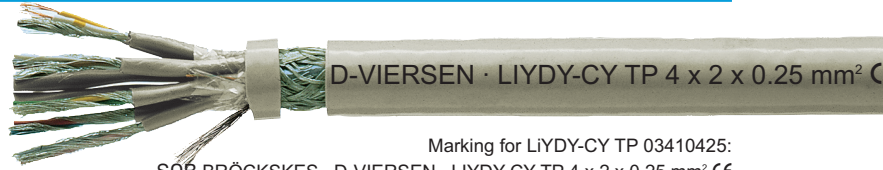


DATA CABLES

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

Outstanding features:

- very good EMC characteristic
- flexible

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/25
Chem. resistance:	see page N/9
Color code:	see page N/22
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

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 mm²					▶ 22 AWG (7/30) • 0.34 mm²					▶ 20 AWG (15/32) • 0.50 mm²				
03410214	2	0.319	8.1	52	03410234	2	0.417	10.6	85	03410250	2	0.425	10.8	91
03410314	3	0.362	9.2	70	03410334	3	0.441	11.2	103	03410350	3	0.441	11.2	107
03410414	4	0.390	9.9	80	03410434	4	0.480	12.2	127	03410450	4	0.528	13.4	149
03410614	6	0.425	10.8	120	03410634	6	0.575	14.6	179	03410650	6	0.583	14.8	206
03410814	8	0.539	13.7	157	03410834	8	0.673	17.1	247	03410850	8	0.717	18.2	279
03411014	10	0.583	14.8	190	03411034	10	0.724	18.4	275	03411050	10	0.783	19.9	324
03411214	12	0.614	15.6	212	03411234	12	0.740	18.8	304	03411250	12	0.819	20.8	356
03411414	14	0.618	15.7	226	03411434	14	0.811	20.6	368	03411450	14	0.843	21.4	390
03411614	16	0.681	17.3	265	03411634	16	0.823	20.9	402	03411650	16	0.909	23.1	454
03412414	24	0.807	20.5	366	03412434	24	0.976	24.8	571	03412450	24	1.043	26.5	616
▶ 24 AWG (14/34) • 0.25 mm²														
03410225	2	0.331	8.4	57										
03410325	3	0.370	9.4	77										
03410425	4	0.457	11.6	112										
03410625	6	0.547	13.9	154										
03410825	8	0.594	15.1	201										
03411025	10	0.650	16.5	226										
03411225	12	0.665	16.9	249										
03411425	14	0.685	17.4	248										
03411625	16	0.736	18.7	308										
03412425	24	0.933	23.7	453										

Other dimensions and colors are possible on request.