

Data Cables

LIYDY-CY TP

PVC data cable, twisted pairs with pair-wise and overall copper screen

very good
EMC

SAB Data



BRÜCKSKES · D-VIERSEN · LIYDY-CY TP 6x2x0,25mm² CE



marking example:

SAB BRÜCKSKES · D-VIERSEN · LIYDY-CY TP 6x2x0,25mm² CE

Construction:

Conductor:	bare copper strands with reference to VDE 0812
Insulation:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Colour code:	with reference to DIN 47100
Stranding:	2 cores twisted to pairs
Screen:	wrapped pair-wise with tinned copper wires
Sheath:	pair-wise PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Stranding:	pairs in concentric layers
Wrapping:	PETP foil
Screen:	tinned copper braiding with a tinned copper drain wire (equal to conductor section)
Sheath material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Sheath colour:	grey (RAL 7032)

Technical data:

Peak operating voltage:	< 0,25 mm ² = max. 350 V ≥ 0,25 mm ² = max. 500 V
Testing voltage:	core/core 1500 V core/screen 1200 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
Capacitance:	see chapter N „Technical data“
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range	
fixed laying:	-30/+70 °C
flexible application:	-5/+70 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	acc. to internal standard, see chapter N „Technical data“
Chem. resistance:	see chapter N „Technical data“
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Outstanding features:

- » very good EMC characteristic
- » flexible

item no.	no. of pairs x cross section n x 2 x mm ²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
03410214	2 x 2 x 0,14	8,1	35,6	82
03410314	3 x 2 x 0,14	9,2	45,4	111
03410414	4 x 2 x 0,14	9,9	55,4	127
03410614	6 x 2 x 0,14	11,8	95,0	187
03410814	8 x 2 x 0,14	13,8	115,6	245
03411014	10 x 2 x 0,14	14,8	153,9	297
03411214	12 x 2 x 0,14	15,6	179,5	331
03411414	14 x 2 x 0,14	15,7	189,7	352
03411614	16 x 2 x 0,14	17,3	221,7	415
03412414	24 x 2 x 0,14	20,4	297,4	571
03410225	2 x 2 x 0,25	8,4	41,2	92
03410325	3 x 2 x 0,25	9,4	53,2	122
03410425	4 x 2 x 0,25	11,6	89,2	176
03410625	6 x 2 x 0,25	13,9	114,5	241
03410825	8 x 2 x 0,25	15,1	157,2	313
03411025	10 x 2 x 0,25	16,5	187,7	354
03411225	12 x 2 x 0,25	16,9	208,1	389
03411425	14 x 2 x 0,25	17,4	238,2	426
03411625	16 x 2 x 0,25	18,7	259,7	480
03412425	24 x 2 x 0,25	23,7	365,9	709

item no.	no. of pairs x cross section n x 2 x mm ²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
03410234	2 x 2 x 0,34	10,6	57,4	133
03410334	3 x 2 x 0,34	11,2	70,9	152
03410434	4 x 2 x 0,34	12,2	99,9	198
03410634	6 x 2 x 0,34	14,6	142,0	280
03410834	8 x 2 x 0,34	17,1	201,3	382
03411034	10 x 2 x 0,34	18,4	223,9	429
03411234	12 x 2 x 0,34	18,8	249,2	474
03411434	14 x 2 x 0,34	20,6	316,6	574
03411634	16 x 2 x 0,34	20,9	343,2	626
03412434	24 x 2 x 0,34	24,8	446,5	851
03410250	2 x 2 x 0,50	10,8	61,8	142
03410350	3 x 2 x 0,50	11,2	77,8	167
03410450	4 x 2 x 0,50	13,4	115,6	233
03410650	6 x 2 x 0,50	15,0	174,3	322
03410850	8 x 2 x 0,50	18,2	227,8	433
03411050	10 x 2 x 0,50	19,9	270,8	505
03411250	12 x 2 x 0,50	20,8	303,7	555
03411450	14 x 2 x 0,50	21,4	336,2	607
03411650	16 x 2 x 0,50	23,1	393,7	696
03412450	24 x 2 x 0,50	26,5	533,9	960

Other dimensions and colours are possible on request.