



SENCONIX

CONIX®



CONIX® Li-YCY SIGNAL TRANSMISSION CABLE



APPLICATION

CONIX® Li-YCY signal transmission cable is suitable for flexible applications with free movement, without tensile stress and forced motion control in dry, damp and wet rooms. The overall braided screen can minimize electrical interference, and it is used where design or constructional measures in the outer diameter require the smallest possible control and signal cables. It is applicable in machine, tools, and plant construction, as well as in electronic engineering. It is also used in computer systems, sensors, scales, and in measurement and control technology.

OUTSTANDING FEATURES

- Overall braided coverage approximately 85% to improve signal integrity
- Space Saving due to small cable diameter
- Flame-retardant according IEC 60332-1-2
- Compatible for sensor with analogue signal that covers 4-20mA, 0-10V and similar applications.

CHARACTERISTIC

Peak Operating Voltage

250V

This cable is not suitable for power applications

Temperature Rating

Fixed: -20°C to +70°C

Flexing: -5°C to +70°C

*Upon Request Temperature Range

Fixed: -40°C to +105°C

Flexing: -10°C to +90°C

Minimum Bending Radius

Fixed: 6 x overall diameter

Flexing: 20 x overall diameter

Mutual capacitance

C/C: approx. 120 nF/km

C/S: approx. 160nF/km (at 800Hz)

Inductance

approx. 0.65 mH/km

CONSTRUCTION

- Conductor** : Bare copper wire, finely stranded
acc. to IEC 60228, VDE 0295, class 5
- Insulation** : PVC
- Color code** : DIN 47100 (stripe printing for cores with dual color)
*Other color printing is available upon request
- Wrapper** : Polyester Tape
- Screen** : Tinned copper wire braiding
- Jacket materials** : PVC
- Jacket color** : Grey (RAL 7001)

Part no.	No. cores x cross - sec. mm²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
25102A14	2 x 0.14	4.0	2.6	23.2
25103A14	3 x 0.14	4.2	4.0	27.0
25104A14	4 x 0.14	4.5	5.3	31.7
25105A14	5 x 0.14	4.9	6.6	36.7
25106A14	6 x 0.14	5.3	7.9	42.0
25107A14	7 x 0.14	5.3	9.3	44.4
25108A14	8 x 0.14	5.6	10.6	49.8
25110A14	10 x 0.14	6.5	13.2	61.7
25102A25	2 x 0.25	4.4	4.6	28.1
25103A25	3 x 0.25	4.6	6.9	33.4
25104A25	4 x 0.25	5.0	9.3	39.7
25105A25	5 x 0.25	5.4	11.6	46.5
25106A25	6 x 0.25	5.8	13.9	53.5
25107A25	7 x 0.25	5.8	16.2	57.2
25108A25	8 x 0.25	6.3	18.5	64.3
25110A25	10 x 0.25	7.3	23.1	80.1
25102A34	2 x 0.34	4.6	6.3	31.8
25103A34	3 x 0.34	4.9	9.4	38.2
25104A34	4 x 0.34	5.3	12.6	45.9
25105A34	5 x 0.34	5.7	15.7	53.9
25106A34	6 x 0.34	6.2	18.8	62.3
25107A34	7 x 0.34	6.2	22.0	67.0
25108A34	8 x 0.34	6.7	25.1	75.5

Part no.	No. cores x cross - sec. mm²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
25110A34	10 x 0.34	7.8	31.4	94.3
25112A34	12 x 0.34	8.0	37.7	105.9
25114A34	14 x 0.34	8.4	44.0	119.0
25116A34	16 x 0.34	8.9	50.2	132.6
25118A34	18 x 0.34	9.3	56.5	146.5
25119A34	19 x 0.34	9.3	59.7	151.2
25120A34	20 x 0.34	9.8	62.8	160.6
25121A34	21 x 0.34	9.8	65.9	165.3
25124A34	24 x 0.34	10.9	75.4	190.8
25125A34	25 x 0.34	10.9	78.5	195.5
25127A34	27 x 0.34	11.1	84.8	207.5
25130A34	30 x 0.34	11.6	94.2	226.1
25132A34	32 x 0.34	12.0	100.5	240.5
25102A5	2 x 0.5	5.5	9.4	43.2
25103A5	3 x 0.5	5.8	14.1	52.9
25104A5	4 x 0.5	6.3	18.8	64.3
25105A5	5 x 0.5	6.9	23.5	76.2
25106A5	6 x 0.5	7.5	28.2	88.6
25107A5	7 x 0.5	7.5	32.9	95.9
25108A5	8 x 0.5	8.1	37.6	108.5
25110A5	10 x 0.5	9.5	47.0	136.4
25112A5	12 x 0.5	9.8	56.4	154.1
25114A5	14 x 0.5	10.3	65.8	174.0

CONIX® Li-YCY SIGNAL TRANSMISSION CABLE

Part no.	No. cores x cross - sec. mm ²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	Part no.	No. cores x cross - sec. mm ²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
25116A5	16 x 0.5	10.9	75.2	194.6	251041	4 x 1	7.4	37.6	95.0
25118A5	18 x 0.5	11.5	84.6	215.7	251051	5 x 1	8.1	47.0	113.9
25119A5	19 x 0.5	11.5	89.3	223.0	251061	6 x 1	8.8	56.4	133.5
25120A5	20 x 0.5	12.1	94.0	237.0	251071	7 x 1	8.8	65.8	146.2
25124A5	24 x 0.5	13.5	112.8	282.8	251081	8 x 1	9.5	75.2	166.1
25102A75	2 x 0.75	6.0	14.1	52.5	251101	10 x 1	11.2	94.0	209.5
25103A75	3 x 0.75	6.3	21.2	65.2	251121	12 x 1	11.6	112.8	239.2
25104A75	4 x 0.75	6.9	28.2	80.1	251141	14 x 1	12.3	131.6	271.9
25105A75	5 x 0.75	7.5	35.3	95.6	251161	16 x 1	13.0	150.4	305.5
25106A75	6 x 0.75	8.2	42.3	111.7	251191	19 x 1	13.7	178.6	352.7
25107A75	7 x 0.75	8.2	49.4	121.7	251021A5	2 x 1.5	7.9	27.5	89.3
25108A75	8 x 0.75	8.9	56.4	138.0	251031A5	3 x 1.5	8.4	41.3	114.0
25110A75	10 x 0.75	10.4	70.5	173.9	251041A5	4 x 1.5	9.3	55.1	142.2
25112A75	12 x 0.75	10.8	84.6	197.6	251051A5	5 x 1.5	10.2	68.9	171.6
25114A75	14 x 0.75	11.4	98.7	224.0	251061A5	6 x 1.5	11.2	82.6	202.1
25116A75	16 x 0.75	12.0	112.8	251.3	251071A5	7 x 1.5	11.2	96.4	222.2
25118A75	18 x 0.75	12.7	126.9	279.2	251081A5	8 x 1.5	12.1	110.2	253.2
25119A75	19 x 0.75	12.7	134.0	289.2	251101A5	10 x 1.5	14.4	137.7	321.1
25120A75	20 x 0.75	13.3	141.0	307.3	251121A5	12 x 1.5	14.9	165.3	367.8
251021	2 x 1	6.4	18.8	61.1	251141A5	14 x 1.5	15.7	192.8	419.3
251031	3 x 1	6.7	28.2	76.9	251161A5	16 x 1.5	16.6	220.4	472.4

Photographs are not to scale and do not represent detailed images of the respective products.

– Other sizes upon request with MOQ required