

CONIX® Li-YY SIGNAL TRANSMISSION CABLE



APPLICATION

CONIX® Li-YY signal transmission cable is suitable for flexible applications with free movement, without tensile stress and forced motion control in dry, damp and wet rooms. It is used where design or constructional measures in the outer diameter require the smallest possible control and signal cables, such as in machine, tool, and plant construction, as well as in electronic engineering. Additionally, it is utilized in computer systems, sensors, scales, and in measurement and control technology.

OUTSTANDING FEATURES

- Flexible
- Space Saving due to small cable diameter
- Flame-retardant according IEC 60332-1-2
- Compatible for sensor with digital signal that covers 24Volt on-off control and dry contact

CHARACTERISTIC

Peak Operating Voltage

250V (This cable is not suitable for power application)

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: 4 x overall diameter

Flexing: 15 x overall diameter

Mutual capacitance

C/C: approx. 120 nF/km (at 800 Hz)

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

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.
25802A14	2 x 0.14	3.3	2.7	15.2
25803A14	3 x 0.14	3.6	4.0	18.3
25804A14	4 x 0.14	4.0	5.4	22.0
25805A14	5 x 0.14	4.3	6.7	25.9
25806A14	6 x 0.14	4.7	8.1	30.1
25807A14	7 x 0.14	4.7	9.4	32.7
25808A14	8 x 0.14	5.1	10.8	36.9
25810A14	10 x 0.14	6.0	13.5	47.7
25802A25	2 x 0.25	3.7	4.6	19.7
25803A25	3 x 0.25	4.0	6.9	23.9
25804A25	4 x 0.25	4.4	9.3	29.1
25805A25	5 x 0.25	4.8	11.6	34.6
25806A25	6 x 0.25	5.3	13.9	40.3
25807A25	7 x 0.25	5.3	16.2	44.0
25808A25	8 x 0.25	5.7	18.5	49.9
25810A25	10 x 0.25	6.7	23.1	64.5
25802A34	2 x 0.34	3.9	6.3	23.3
25803A34	3 x 0.34	4.3	9.4	28.5
25804A34	4 x 0.34	4.7	12.6	34.7
25805A34	5 x 0.34	5.2	15.7	41.5
25806A34	6 x 0.34	5.6	18.8	48.5
25807A34	7 x 0.34	5.6	22.0	53.2
25808A34	8 x 0.34	6.1	25.1	60.4
25810A34	10 x 0.34	7.2	31.4	78.1
25812A34	12 x 0.34	7.4	37.7	88.2
25814A34	14 x 0.34	7.9	44.0	99.9

Part no.	No. cores x cross - sec. mm²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
25816A34	16 x 0.34	8.3	50.2	112.2
25818A34	18 x 0.34	8.8	56.5	124.8
25820A34	20 x 0.34	9.2	62.8	137.7
25821A34	21 x 0.34	9.2	65.9	142.4
25802A5	2 x 0.5	4.8	9.4	34.6
25803A5	3 x 0.5	5.2	14.1	42.3
25804A5	4 x 0.5	5.7	18.8	51.9
25805A5	5 x 0.5	6.3	23.5	62.2
25806A5	6 x 0.5	6.9	28.2	73.0
25807A5	7 x 0.5	6.9	32.9	80.2
25808A5	8 x 0.5	7.5	37.6	91.2
25810A5	10 x 0.5	8.9	47.0	118.5
25812A5	12 x 0.5	9.2	56.4	134.1
25816A5	16 x 0.5	10.3	75.2	171.2
25802A75	2 x 0.75	5.3	14.1	44.0
25803A75	3 x 0.75	5.7	21.2	54.4
25804A75	4 x 0.75	6.3	28.2	67.2
25805A75	5 x 0.75	7.0	35.3	80.9
25807A75	7 x 0.75	7.6	49.4	105.2
25808A75	8 x 0.75	8.3	56.4	119.7
25810A75	10 x 0.75	9.9	70.5	155.4
25812A75	12 x 0.75	10.2	84.6	176.7
258021	2 x 1	5.7	18.8	52.9
258031	3 x 1	6.2	28.2	66.0
258041	4 x 1	6.8	37.6	81.8
258021A5	2 x 1.5	7.3	27.5	83.8
258031A5	3 x 1.5	7.9	41.3	103.8

Photographs are not to scale and do not represent detailed images of the respective products.
- Other sizes upon request with MOQ required

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