

CONIX® Li-YCY (TP) SIGNAL TRANSMISSION CABLE



APPLICATION

CONIX® Li-YCY (TP) signal transmission cable was manufactured specially with short lay length of twisted pairs to prevent cross talk attenuation. It is suitable to be laid in dry and damp conditions. The overall tinned copper braided is designed to shield the external and electronic interface.

OUTSTANDING FEATURES

- Overall braided coverage approximately 85% to improve signal integrity
- Space Saving due to small cable diameter
- Flame-retardant according to IEC 60332-1-2
- Compatible for sensor with either analogue and digital signal that covers 0-20mA, 0-10v and other 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. 160 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

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.
25202PA14	2 x 2 x 0.14	5.5	5.4	39.1
25203PA14	3 x 2 x 0.14	5.8	8.1	46.5
25204PA14	4 x 2 x 0.14	6.4	10.8	55.7
25202PA25	2 x 2 x 0.25	6.1	9.4	48.6
25203PA25	3 x 2 x 0.25	6.5	14.2	59.0
25204PA25	4 x 2 x 0.25	7.1	18.9	71.5
25202PA5	2 x 2 x 0.5	7.9	19.2	78.1
25203PA5	3 x 2 x 0.5	8.4	28.8	97.4
25204PA5	4 x 2 x 0.5	9.2	38.3	120.2
25206PA5	6 x 2 x 0.5	11.1	57.5	169.1
25208PA5	8 x 2 x 0.5	12.0	76.7	209.4
25212PA5	12 x 2 x 0.5	14.8	115.0	302.2

Part no.	No. cores x cross - sec. mm²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
25216PA5	16 x 2 x 0.5	16.5	153.4	385.1
25202PA75	2 x 2 x 0.75	8.6	28.8	96.5
25203PA75	3 x 2 x 0.75	9.2	43.1	122.2
25204PA75	4 x 2 x 0.75	10.1	57.5	152.0
25205PA75	5 x 2 x 0.75	12.2	86.3	215.8
25206PA75	6 x 2 x 0.75	13.3	115.0	269.4
25208PA75	8 x 2 x 0.75	15.8	143.8	342.9
25212PA75	12 x 2 x 0.75	16.4	172.6	391.3
25202P1	2 x 2 x 1	9.3	38.3	113.7
25203P1	3 x 2 x 1	9.9	57.5	145.7
25204P1	4 x 2 x 1	10.9	76.7	182.2
25205P1	5 x 2 x 1	12.0	95.9	220.5

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