
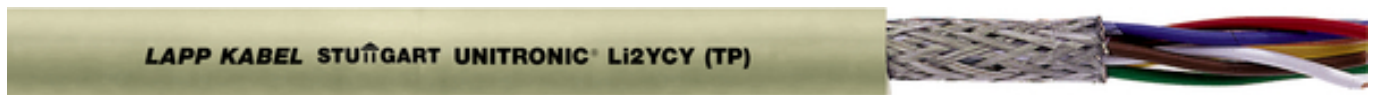


U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® Li2YCY (TP)	19.11.2014

Screened data transmission cable mit PE core insulation, 7-wire strands and twisted pairs
7-wire stranded conductor (UNITRONIC® Li2YCY (TP) and UNITRONIC® Li2YCYv (TP) can be used for Maxi TERMI-POINT® wiring

Overall braid minimises electrical interference

Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)



Interference signals

Info

Cables for RS485/RS422

Application range

Particularly suitable for wiring data systems with transmission rates up to 10 Megabits per second, and is qualified for the RS422 and RS485 interfaces.

For fixed and limited flexible installation

Can be used in dry or damp rooms

Signal-, control- and measuring cable, for transmission of low, sensitive signals and high bit rates

UNITRONIC® Li2YCYv (TP) with reinforced black outer sheath (Yv) is suitable for indoors and outdoors, as well as direct burial in the ground

Product Make-up

7-wire bare stranded copper conductor

Core insulation made of polyethylene (PE)

TP structure

Tinned-copper braiding

Outer sheath made of PVC

Outer sheath colour: pebble grey (RAL 7032)

Norm references / Approvals

Based on VDE 0812

Product features

Flame-retardant according IEC 60332-1-2

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths


Packaging size: coil \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

TERMI-POINT® is a registered trademark of AMP

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

Product Management	Document: LAPP_PRO242EN.pdf	1 / 3
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Technical Data

Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	At 800 Hz: max. 60 nF/km
Peak operating voltage:	(not for power applications) 250 V
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Stranded conductor, based on VDE 0881, 7-wire
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Short-range crosstalk attenuation:	Up to 1 MHz min. 50 dB Up to 10 MHz min. 40 dB
Test voltage:	Core/core: 2000 V Core/screen: 1000 V
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C
Characteristic impedance:	100 ± 15 Ohm (> 1 MHz)

Product Management	Document: LAPP_PRO242EN.pdf	2 / 3
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Part number	Number of pairs and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® Li2YCY (TP)				
0031320	2 x 2 x 0,22	6.5	24.2	59
0031321	3 x 2 x 0,22	7.1	28.6	66
0031322	4 x 2 x 0,22	7.3	34.2	78
0031323	8 x 2 x 0,22	9.1	70.0	125
0031324	10 x 2 x 0,22	10.4	76.0	143
0031335	1 x 2 x 0,34	5.8	20.0	44
0031325	2 x 2 x 0,34	7.7	34.1	79
0031326	3 x 2 x 0,34	8.4	43.0	89
0031327	4 x 2 x 0,34	8.7	47.0	101
0031328	8 x 2 x 0,34	11.0	85.8	176
0031336	1 x 2 x 0,5	6.3	29.0	53
0031330	2 x 2 x 0,5	8.5	37.0	85
0031331	3 x 2 x 0,5	9.3	55.0	105
0031332	4 x 2 x 0,5	9.6	60.0	122
0031333	8 x 2 x 0,5	12.7	113.3	213
0031334	10 x 2 x 0,5	14.8	154.0	261