UNITRONIC® Li2YCY (TP)

Screened data transmission cable mit PE core insulation, 7-wire strands and twisted pairs

UNITRONIC® Li2YCY (TP): Low-frequency low-capacitance screened PVC data cable with DIN 47100 coded Twisted PE single core pairs, RS422/ RS485 interface wiring

Info
Cables for RS485/RS422



Interference signals

Benefits
Overall braid minimises electrical interference
Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

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 its reinforced, nominal/ minimum average wall thickness of at least 1.8 mm of the black outer sheath (Yv) is designed for indoor and outdoor use as well as for applications where a reinforced outer sheath may turn out to be advantageous

Product features
Flame-retardant according IEC 60332-1-2

Norm references / Approvals
Based on VDE 0812

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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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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: grey (similar to pebble grey/ RAL 7032)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	At 800 Hz: max. 60 nF/km
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
Characteristic impedance:	100 ± 15 Ohm (> 1 MHz)
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

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 ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
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Prices are net prices without VAT and surcharges. Sale to business customers only.

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PRODUCT INFORMATION

Article number	Number of pairs and mm² 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	125
0031324	10 x 2 x 0.22	10.4	76	143
0031335	1 x 2 x 0.34	5.8	20	44
0031325	2 x 2 x 0.34	7.7	34.1	79
0031326	3 x 2 x 0.34	8.4	43	89
0031327	4 x 2 x 0.34	8.7	47	101
0031328	8 x 2 x 0.34	11	85.8	176
0031336	1 x 2 x 0.5	6.3	29	53
0031330	2 x 2 x 0.5	8.5	37	85
0031331	3 x 2 x 0.5	9.3	55	105
0031332	4 x 2 x 0.5	9.6	60	122
0031333	8 x 2 x 0.5	12.7	113.3	213
0031334	10 x 2 x 0.5	14.8	154	261

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