

Product Description

Litz wire 7 cores can be used for MAXI-TERMI-POINT® wiring; Data cable with low capacitance, pair screening and overall copper braiding



Application range

- UNITRONIC® Li2YCY PiMF with individual screening of the pairs is particularly suitable for wiring data systems and controls in large industrial plants, for the transmission of sensitive signals and high bit rates for enhanced requirements in near-end cross-talk attenuation and high electrical interference in the circuits
- For measurement value transmission and serial 2-wire interfaces
- Cables of this type are intended for limited flexible use, and for fixed installation in dry and damp interiors

Benefits

- Litz wire 7 cores can be used for MAXI-TERMI-POINT® wiring
- Data cable with low capacitance, pair screening and overall copper braiding

Design

- Stranded 7-wire bare copper conductor
- PE core insulation
- Foil wrapping, static screening of aluminium-laminated plastic film with drain wire
- PVC outer sheath
- Colour: pebble grey (RAL 7032)

Product features

- Flame retardant according to IEC 60332-1-2

Technical Data
Core identification code

0.22 mm²-0.5 mm²: according to DIN 47100, see Appendix T9 1.0 mm² see structure data

Mutual capacitance

At 800 Hz: 0.22 mm² max. 70 nF/km 0.34 mm² max. 70 nF/km 0.5 mm² max. 75 nF/km 1.0 mm² max. 85 nF/km

Peak working voltage

(not for power applications) 250 V

Inductivity

Approx. 0.4 mH/km

Insulation resistance

> 5 GOhm x km

Conductor stranding

7 or fine wired strand according to VDE 0881

Minimum bending radius

Fixed installation: 10 x cable diameter

Short-range crosstalk attenuation

Up to 1 MHz min. 80 dB

Test voltage

C/C: 2000 V

C/S: 1000 V

Range of temperature

Static: -30°C up to +80°C

Flexing: -5°C up to +70°C

Characteristic impedance

at f > 1 MHz: approx. 85 Ohm

Article List

Part number	Number of pairs and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
UNITRONIC® Li2YCY PiMF 7-wire				
0034040	2 x 2 x 0,22	7.7	33.0	75.4
0034041	3 x 2 x 0,22	8.1	42.0	86
0034042	4 x 2 x 0,22	8.7	50.0	99
0034043	8 x 2 x 0,22	10.9	85.0	161.4
0034044	10 x 2 x 0,22	12.0	100.0	186.4
0034045	2 x 2 x 0,34	9.0	43.0	70
0034046	3 x 2 x 0,34	9.4	55.0	85
0034047	4 x 2 x 0,34	9.8	64.0	103
0034048	8 x 2 x 0,34	12.9	127.0	191
0034049	10 x 2 x 0,34	14.9	150.0	230
7-wire				
0034060	2 x 2 x 0,5	9.9	51.0	96
0034061	3 x 2 x 0,5	10.4	66.0	116
0034062	4 x 2 x 0,5	11.3	71.0	141
0034063	5 x 2 x 0,5	11.8	92.0	180



0034064	8 x 2 x 0,5	14.5	153.0	271
0034065	10 x 2 x 0,5	16.6	182.0	327
Fine wire				
0034070	2 x 2 x 1	11.7	82.0	126
0034071	3 x 2 x 1	11.8	109.0	156
0034072	4 x 2 x 1	12.7	133.0	193
0034073	10 x 2 x 1	19.7	326.0	492

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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