

UNITRONIC® Li2YCY (TP)



UNITRONIC® Li2YCY (TP) extra fine-wired



UNITRONIC® Li2YCYv (TP)



Benefits

UNITRONIC® Li2YCY (TP)

- Litz wire 7 cores can be used for MAXI-TERMI-POINT® wiring

Application range

- UNITRONIC® Li2YCYv (TP) model with reinforced black outer sheath (Yv) is suitable for inside and outside use as well as burial in the ground.
- UNITRONIC® Li2YCY (TP) is particularly suitable for wiring from data systems at transmission rates up to 10 Megabit per second and is qualified for the serial interfaces RS422 and RS485.
- Cables of this kind are designed for fixed installation in dry and damp interiors and for conditional flexible use.

Product features

- Flame retardant according to IEC 60332-1-2

Design

UNITRONIC® Li2YCY (TP)

- Stranded conductor, 7-wire, bare
- PE core insulation
- Screen braiding made from copper wire
- PVC outer sheath
- Colour: pebble grey (RAL 7032)

UNITRONIC® Li2YCY (TP) extra fine-wired

- As UNITRONIC® Li2YCY (TP) however with fine-wired conductor design.

UNITRONIC® Li2YCYv (TP)

- As UNITRONIC® Li2YCY (TP), however with reinforced Yv PVC outer sheath
- Colour: black (RAL 9005)

Technical data

Core identification code
DIN 47100, see Appendix T9

Mutual capacitance
UNITRONIC® Li2YCY (TP)
At 800 Hz: max. 60 nF/km (valid starting at 4 pair)

Peak working voltage
(not for power applications)
at 0.14 mm²: 350 V
at >= 0.25 mm²: 500 V

Based on
UNITRONIC® Li2YCY (TP)
VDE 0812

Insulation resistance
> 5 GOhm x km

Inductivity
UNITRONIC® Li2YCY (TP)
approx. 0.65 mH/km

Conductor stranding
UNITRONIC® Li2YCY (TP)
UNITRONIC® Li2YCYv (TP)
Stranded copper conductor, based on VDE 0881,
7-wire

UNITRONIC® Li2YCY (TP) fine wire
Stranded copper conductor, fine

Minimum bending radius
Fixed installation: 7.5 x cable diameter
Short-range crosstalk attenuation
Up to 1 MHz min. 50 dB
Up to 10 MHz min. 40 dB

Test voltage
UNITRONIC® Li2YCY (TP)
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
100 Ohm +/- 15

Part number	Number of pairs and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
UNITRONIC® Li2YCY (TP)				
0031320	2 x 2 x 0,22	7.0	24.2	59.0
0031321	3 x 2 x 0,22	6.6	28.6	66.0
0031322	4 x 2 x 0,22	7.2	34.2	78.0
0031323	8 x 2 x 0,22	8.9	54.0	125.0
0031324	10 x 2 x 0,22	10.4	76.0	143.0
0031335	1 x 2 x 0,34	5.8	20.0	44.0
0031325	2 x 2 x 0,34	7.5	34.1	79.0
0031326	3 x 2 x 0,34	7.9	43.0	89.0
0031327	4 x 2 x 0,34	8.5	52.8	101.0
0031328	8 x 2 x 0,34	11.0	85.8	176.0
0031336	1 x 2 x 0,5	6.3	29.0	53.0
0031330	2 x 2 x 0,5	8.3	37.0	85.0
0031331	3 x 2 x 0,5	8.7	56.0	105.0
0031332	4 x 2 x 0,5	9.5	60.0	122.0
0031333	8 x 2 x 0,5	12.3	113.3	213.0
0031334	10 x 2 x 0,5	14.6	154.0	261.0
UNITRONIC® Li2YCY (TP) fine wire				
0031370	1 x 2 x 0,25	5.1	14.0	38.0

Part number	Number of pairs and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
0031371	2 x 2 x 0,25	6.3	28.0	56.0
0031372	3 x 2 x 0,25	6.7	39.6	64.0
0031373	5 x 2 x 0,25	8.1	50.0	93.0
UNITRONIC® Li2YCYv (TP) black for outdoor installation and direct burial				
0031350	2 x 2 x 0,22	7.9	24.2	79.0
0031351	3 x 2 x 0,22	8.2	28.6	93.0
0031352	4 x 2 x 0,22	8.8	34.2	100.0
0031353	8 x 2 x 0,22	10.5	54.0	156.0
0031354	10 x 2 x 0,22	12.0	76.0	185.0
0031365	1 x 2 x 0,34	7.4	20.0	69.0
0031355	2 x 2 x 0,34	9.1	34.1	102.0
0031356	3 x 2 x 0,34	9.5	43.0	117.0
0031357	4 x 2 x 0,34	10.1	52.8	130.0
0031358	8 x 2 x 0,34	12.6	85.5	206.0
0031366	1 x 2 x 0,5	7.9	29.0	79.0
0031360	2 x 2 x 0,5	9.9	37.0	120.0
0031361	3 x 2 x 0,5	10.3	55.0	142.0
0031362	4 x 2 x 0,5	11.1	60.0	160.0
0031363	8 x 2 x 0,5	13.9	113.0	251.0
0031364	10 x 2 x 0,5	15.8	148.0	303.0

■ Accessories

- SKINTOP® MS-SC-M see page 657
- Multipurpose shears A and B see page 902
- STAR STRIP stripping tool see page 908
- STEEL GUN HT-338 cable tie pliers see page 971
- LS steel cable ties see page 969