Product Description

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 tp 10 Megabit per second.
- Cables of this kind are designed for fixed installation in dry and damp interiors and for conditional flexible use.

Design

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

Product features

- Flame retardant according to IEC 60332-1-2

Cross-References

UNITRONIC® Li2YCY (TP) fine wire, UNITRONIC® Li2YCYv (TP)

Accessories
SKINTOP® MS-SC-M, Multipurpose shears A and B, STAR STRIP stripping tool, STEEL GUN HT-338 cable tie pliers, LS steel cable ties

Technical Data

Core identification code
DIN 47100, see Appendix T9
Mutual capacitance
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
Inductivity
approx. 0.65 mH/km
Based on
VDE 0812
Insulation resistance
> 5 GOhm x km
Conductor stranding
UNITRONIC® Li2YCYv (TP) Stranded copper conductor, based on VDE 0881, 7-wire
UNITRONIC® Li2YCY (TP) fine wire Stranded copper conductor, fine

Cable attenuation / attenuation
UNITRONIC® Li2YCYv (TP) (recommended values):0.22mm²: 100 kHz 9.0 dB/km 1 MHz 25.0 dB/km (recommended values):0.34mm²: 100 kHz 6.6 dB/km 1 MHz 20.0 dB/km (recommended values): 0.5mm² 100 kHz 6.0 dB/km 1 MHz 18.0 dB/km
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
C/C: 2000 V
C/S: 1000 V
Loop resistance
UNITRONIC® Li2YCYv (TP) 0.22 mm² max. 186 Ohm/km 0.34 mm² max. 115 Ohm/km 0.5 mm² max. 78.4 Ohm/km
Range of temperature
Fixed installation: -30°C up to +70°C
Characteristic impedance
100 Ohm +- 15

Article List

Part number	Number of pairs and mm² 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	20	41
0031321	3 x 2 x 0,22	7.1	26	61
0031322	4 x 2 x 0,22	7.3	31	76
0031323	8 x 2 x 0,22	9.1	54	118
0031324	10 x 2 x 0,22	10.4	65	149
0031335	1 x 2 x 0,34	5.8	18	40
0031325	2 x 2 x 0,34	8.3	29	62
0031326	3 x 2 x 0,34	8.4	38	72
0031327	4 x 2 x 0,34	8.7	47	87

0031328	8 x 2 x 0,34	11	78	150
0031336	1 x 2 x 0,5	6.3	22	56
0031330	2 x 2 x 0,5	9.2	37	65
0031331	3 x 2 x 0,5	9.3	49	98
0031332	4 x 2 x 0,5	9.6	60	119
0031333	8 x 2 x 0,5	12.7	106	213
0031334	10 x 2 x 0,5	14.8	148	258