



Screened data transmission cable mit PE core insulation, reinforced outer sheath 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)

- Cables for RS485/RS422



Product description

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

Benefits

- 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)

Product Make-up

- Similar to UNITRONIC® Li2YCY (TP), but with reinforced outer sheath made of PVC (Yv)
- Outer sheath colour: black (RAL 9005)

Norm references / Approvals

- Based on VDE 0812

Product features

- Flame-retardant according IEC 60332-1-2

Technical Data

Core identification code

Mutual capacitance

Peak operating voltage

Classification

Inductivity

Conductor stranding

Minimum bending radius

Short-range crosstalk attenuation

Test voltage

Temperature range

Characteristic impedance

DIN 47100, refer to Appendix T9

At 800 Hz: max. 60 nF/km

(not for power applications) 250 V

ETIM 5.0 Class-ID: EC000104

ETIM 5.0 Class-Description: Control cable

approx. 0.65 mH/km

Stranded conductor, based on VDE 0881, 7-wire

Occasional flexing: 15 x outer diameter

Fixed installation: 6 x outer diameter

Up to 1 MHz min. 50 dB

Up to 10 MHz min. 40 dB

Core/core: 2000 V

Core/screen: 1000 V

Occasional flexing: -5°C to +70°C

Fixed installation: -40°C to +80°C

100 ± 15 Ohm (> 1 MHz)