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

- 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: pebble grey (RAL 7032)

Norm references / Approvals

- Based on VDE 0812

Product features

- Flame-retardant according IEC 60332-1-2

Technical Data

Core identification code	DIN 47100, refer to Appendix T9
Mutual capacitance	At 800 Hz: max. 60 nF/km
Peak operating voltage	(not for power applications) 250 V
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
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
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C
Characteristic impedance	100 ± 15 Ohm (> 1 MHz)