UNITRONIC® LiYCY-CY

Screened data transmission cable with individually screened cores

Overall braid minimises electrical
interference; Individually screened cores minimise
crosstalk between cables routed in parallel

RoHS

Product description

Application range

- When a lossless transmission of data has to be guaranteed in fields with strong interference, cables with individually-screened cores and an additional overall screening are used
- Dry or damp rooms

Benefits

- Overall braid minimises electrical interference
- Individually screened cores minimise crosstalk between cables routed in parallel

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation made of PVC
- Tinned-copper braiding for each core
- Inner sheath made of PVC over each screened core
- Tinned-copper braiding
- Outer sheath made of PVC
  Outer sheath colour: pebble grey (RAL 7032)

Norm references / Approvals

- Based on VDE 0812

Product features

- Wire-screen can be used as outer conductor
- The cable remains flexible despite multiple screening
- Flame-retardant according IEC 60332-1-2

Technical Data

Core identification code	DIN 47100, refer to Appendix T9
Mutual capacitance	Approx. 230 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. 0.2 mH/km
Conductor stranding	Stranded conductor, fine-wire
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 7.5 x outer diameter
Test voltage	1200 V
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C