Data transmission cable with copper wrapping and PUR outer sheath

Increased durability under harsh conditions thanks to robust PUR outer sheath; Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media; Overall screening which prevents external electrical interference and guarantees precise pulse transmission

Product description

Application range

- Intended for use in industrial environments, where cables should have excellent mechanical and chemical resistance.
- Screened cables with small dimensions are suitable for use in computer systems, insturmentation technology, office equipment, balances.
- Can be used in dry or damp rooms
- Outdoor use is possible within the indicated operating temperature range

Benefits

- Increased durability under harsh conditions thanks to robust PUR outer sheath
- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
- Overall screening which prevents external electrical interference and guarantees precise pulse transmission

UNITRONIC® LiYD11Y

Product Make-up

- Extra-fine wire strand made of bare copper wires
- Core insulation made of PVC
- Screening: wrapped with bare copper wires
- Outer sheath made of PUR
  Outer sheath colour: black (RAL 9005)

Norm references / Approvals

- Based on VDE 0812

Product features

- PUR outer sheath, tear and notch-resistant, resistant to mineral oils and abrasion
- Low-adhesive surface
- Good UV-resistance
- Flame-retardant according IEC 60332-2-2
- Spiral versions are also availabe
  except for the 7-core version

Technical Data

Core identification code	DIN 47100 without colour repetition, refer to Appendix T9
Mutual capacitance	C/C approx. 140 nF/km C/S approx. 150 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, extra-fine wire
Minimum bending radius	Occasional flexing: 10 x outer diameter Fixed installation: 6 x outer diameter
Test voltage	1200 V
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C