



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, instrumentation 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

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 available
except for the 7-core version

Technical Data

Core identification code
Mutual capacitance

Peak operating voltage
Classification

Inductivity
Conductor stranding
Minimum bending radius

Test voltage
Temperature range

DIN 47100 without colour repetition, refer to Appendix T9
C/C approx. 140 nF/km
C/S approx. 150 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, extra-fine wire
Occasional flexing: 10 x outer diameter
Fixed installation: 6 x outer diameter
1200 V
Occasional flexing: -5°C to +70°C
Fixed installation: -40°C to +80°C