



Screened data transmission cable with PUR outer sheath and twisted pairs for harsh conditions

Data transmission cable with PUR sheath for increased mechanical stress, wear- and tear-resistant; Increased durability under harsh conditions thanks to robust PUR outer sheath; Overall braid minimises electrical interference; Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

- TP = twisted pair



Product description

Application range

- For harsh environmental conditions where robust and screened cables with small dimensions are necessary

Benefits

- Data transmission cable with PUR sheath for increased mechanical stress, wear- and tear-resistant
- Increased durability under harsh conditions thanks to robust PUR outer sheath
- Overall braid minimises electrical interference
- Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation made of PVC
- TP structure
- Tinned-copper braiding
- Outer sheath made of PUR
Outer sheath colour: pebble grey (RAL 7032)

Norm references / Approvals

- Based on VDE 0812

Product features

- Low-adhesive surface
- PUR outer sheath is resistant to most oils and hydraulic fluids
- Special notch and tear-resistance
- Good UV-resistance
- Flame-retardant according IEC 60332-1-2

Technical Data

Core identification code	DIN 47100, refer to Appendix T9
Mutual capacitance	C/C: approx. 120 nF/km C/S: approx. 160 nF/km
Peak operating voltage	(not for power applications) at 0.14 mm ² : 350 V at ? 0.25 mm ² : 500 V
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity	approx. 0.65 mH/km
Conductor stranding	Fine copper wire strands
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Test voltage	At 0.14 mm ² : 1200 V ? 0.25 mm ² : 1500 V
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C