



Data transmission cable with colour code acc. to DIN 47100 and twisted pairs

Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

- TP = twisted pair



Product description

Application range

- Electronic devices tend to leave little room for installing cables, meaning short travel distances and small bending radii are required. This cable ideally meets these requirements.
- Dry or damp rooms

Benefits

- 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
- Outer sheath made of PVC
Outer sheath colour: pebble grey (RAL 7032)

Norm references / Approvals

- Based on VDE 0812

Product features

- Twisted in pairs to reduce decoupling. As a result, additional screening is often not required.
- Flame-retardant according IEC 60332-1-2

Technical Data

Core identification code	DIN 47100, refer to Appendix T9
Mutual capacitance	Approx. 120 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: 5 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