Screened miniature data transmission cable

Space-saving installation due to small cable diameters; Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects); Overall braid minimises electrical interference

- For requirements of microelectronics

Product description

Application range

- For protection against high-frequency interference, screened, fine-wire cables are used in many devices.
- Wherever screened cables with smallest dimensions are required
- Examples: microelectronics, hearing aids etc.

Benefits

- Space-saving installation due to small cable diameters
- Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)
- Overall braid minimises electrical interference

Product Make-up

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

Product features

- Very small dimensions
- Flame-retardant according IEC 60332-1-2

Technical Data

Core identification code	DIN 47100, refer to Appendix T9
Mutual capacitance	C/C approx. 80 nF/km C/S approx. 120 nF/km
Peak operating voltage	(not for power applications) 150 V
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity	approx. 0.65 mH/km
Coupling	At 1 kHz: approx. 300 pF/100 m
Conductor stranding	Stranded, extra-fine wire, cross-section 0.08 mm²
Minimum bending radius	Occasional flexing: 7.5 x outer diameter Fixed installation: 4 x outer diameter
Test voltage	800 V
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C