Screened highly flexible data transmission cable with PVC outer sheath for power chain use

Well-proven and reliable; Optimized cable construction for power chain use; Cost-effective solution; Overall braid minimises electrical
interference

RoHS

Product description

Application range

- Automated production processes require data transmission cables that offer high flexibility and durability, as well as excellent screening
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines

Benefits

- Well-proven and reliable
- Optimized cable construction for power chain use
- Cost-effective solution
- Overall braid minimises electrical
  interference

Product Make-up

- Extra-fine wire strand made of bare copper wires
- Core insulation made of PVC
- Tinned-copper braiding
- Non-woven wrapping
- Outer sheath made of PVC
  Outer sheath colour: grey (RAL 7001)

Norm references / Approvals

- Based on VDE 0812
- For travel distances up to 10 m.
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product features

- Low-adhesive surface
- Flame-retardant according IEC 60332-1-2
- Designed for 2 up to 8 million bending/unbending cycles in power chain applications

Technical Data

Core identification code	DIN 47100, refer to Appendix T9
Mutual capacitance	C/C approx. 110 nF/km C/S: approx. 110 nF/km
Peak operating voltage	(not for power applications) 350 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	Flexing: 7.5 x outer diameter Fixed installation: 4 x Outer diameter
Test voltage	1500 V
Temperature range	Flexing: -5°C to +70°C Fixed installation: -40°C to +80°C