



Screened halogen-free data transmission cable with colour code acc. to DIN 47100

Halogen-free: to protect human life and valuable assets in the event of a fire, through low smoke density and low amount of corrosive gases; Low capacitance due to polyolefin-based insulation; Overall braid minimises electrical interference

· For use within public buildings and industrial plants







Product description

Application range

- Suitable for areas with a high density of people as well as high-value property that must be protected in the event of a fire
- For use within public buildings, transport systems and industrial plants
- For data processing, measurement and control engineering, safety related systems and as electronics cable
- For use in computer systems, instrumentation systems, office equipment, balances wherever screened, halogen-free, small-diameter cables are needed.
- 7-wire stranded conductor can be used for Maxi TERMI-POINT® wiring (for this product the 0,34mm² version only)

Benefits

· Halogen-free: to protect human life and valuable assets in the event of a fire, through low smoke density

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and low amount of corrosive gases

- · Low capacitance due to polyolefin-based insulation
- Overall braid minimises electrical interference

Product Make-up

- Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
- · Core insulation made of special halogen-free compound
- Tinned-copper braiding
- Outer sheath made of special halogen-free compound Outer sheath colour: pebble grey (RAL 7032)

Norm references / Approvals

• Based on VDE 0812

Product features

- Flame-retardant according IEC 60332-1-2
- Low smoke zero halogen (LSZH)
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
 Corrosiveness of combustion gases according to EN 50267-2-3 (degree of acidity)
- Low smoke density according to IEC 61034-2

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. 80 nF/km C/S approx. 120 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, fine-wire 0.34 mm²: 7-wire

Occasional flexing: 10 x outer diameter Fixed installation: 6 x outer diameter

1200 V

Occasional flexing: -5°C to +70°C Fixed installation: -30°C to +80°C