



Screened control and signal cable with small cross-sections



Product description

Application range

- These control and signal cables are used in the milliampere range for computer systems, electronic control equipment, office machines, balances etc. and wherever the thinnest possible control cables are required.

Product Make-up

- Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
- Core insulation made of PVC
- Inner sheath made of PVC
- For the cross section of 0.14 mm², a polyester tape is used underneath the screen braiding instead of the inner sheath.
- Tinned-copper braiding
- Outer sheath made of PVC
Outer sheath colour: grey (RAL 7001)

Norm references / Approvals

- Based on: VDE 0814 or VDE 0812

Product features

- Robust, flexible and resistant outer sheath
- Small outer diameter despite high number of cores
- Cable similar to UNITRONIC® 100, but with copper braiding
- Flame-retardant according IEC 60332-1-2
- 3 cores with earth wire (green-yellow)
2 cores (black/blue)

Technical Data

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|--------------------------|---|
| Core identification code | Refer to Appendix T7 for the UNITRONIC® colour codes |
| Mutual capacitance | Approx. 120 nF/km |
| Peak operating voltage | (not for power applications) 500 V |
| Classification | ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable |
| Inductivity | approx. 0.7 mH/km |
| Conductor stranding | Stranded, fine-wire 0.34 mm ² : 7-wire |
| Minimum bending radius | Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter |
| Test voltage | Core/core: 1500 V rms Core/screen: 1500 V |
| Protective conductor | Green-yellow |
| Temperature range | Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C |