



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

UNITRONIC® 100 CY



- 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

Core identification code

Mutual capacitance Peak operating voltage

Classification

Inductivity Conductor stranding

Minimum bending radius

Test voltage

Protective conductor Temperature range Refer to Appendix T7 for the UNITRONIC® colour codes Approx. 120 nF/km (not for power applications) 500 V ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable approx. 0.7 mH/km Stranded, fine-wire 0.34 mm²: 7-wire Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter Core/core: 1500 V rms Core/screen: 1500 V Green-yellow Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C