# UNITRONIC® 100 CY

**Screened control and signal cable with small cross-sections**

RoHS

## 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

| | |
|---|---|
| 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)<br>500 V |
| Classification | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable |
| Inductivity | approx. 0.7 mH/km |
| Conductor stranding | Stranded, fine-wire<br>0.34 mm²: 7-wire |
| Minimum bending radius | Occasional flexing: 20 x outer diameter<br>Fixed installation: 6 x outer diameter |
| Test voltage | Core/core: 1500 V rms<br>Core/screen: 1500 V |
| Protective conductor | Green-yellow |
| Temperature range | Occasional flexing: -5°C to +70°C<br>Fixed installation: -40°C to +80°C |