



# UNITRONIC® ST

Static screened data transmission cable similar to UL AWM 2092



### Benefits

- Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high frequency, electromagnetic fields

### Application range

- Especially designed for the transmission of the smallest measurement and control signals at minimal space requirements
- Internal wiring of electronic equipment
- For fixed and limited flexible installation
- For use in dry, damp and wet rooms

### Product features

- Protection against interferences at medium and high frequencies by aluminium-laminated plastic foil, combination of flexibility and good screening (normal requirements)
- Flame-retardant according IEC 60332-1-2









### Norm references / Approvals

- Based on UL AWM Style 2092 / 2093

### Product Make-up

- 7-wire tinned stranded copper conductor
- Core insulation made of polyethylene (PE)
- Plastic-laminated aluminium foil with tinned copper drain wire
- Outer sheath made of PVC, Colour of the outer sheath: Similar to Silver-grey / RAL 7001

### Technical data

-  **Classification ETIM 5/6**  
ETIM 5.0/6.0 Class-ID: EC000104  
ETIM 5.0/6.0 Class-Description: Control cable
-  **Core identification code**  
2 cores: black, transparent  
3 cores: black, red, transparent
-  **Mutual capacitance**  
C/C approx. 90 nF/km  
C/S approx. 160 nF/km
-  **Peak operating voltage**  
(not for power applications)  
500 V
-  **Inductivity**  
approx. 0.65 mH/km
-  **Minimum bending radius**  
Occasional flexing: 10 x outer diameter  
Fixed installation: 6 x outer diameter
-  **Characteristic impedance**  
Approx. 95 Ω
-  **Temperature range**  
Occasional flexing: -5°C to +70°C  
Fixed installation: -40°C to +80°C

Article number	Number of conductors and AWG size	Conductor cross-section (mm <sup>2</sup> )	Core insulation material	Outer sheath material	Outer diameter [mm]	Copper index (kg/km)
<b>UNITRONIC® ST</b>						
0033000	2 x AWG 20/7	0.52	PE	PVC	5.2	17.2
0033001	3 x AWG 20/7	0.52	PE	PVC	5.3	23

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
 Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.  
 Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
 Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum  
 Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).  
 Photographs and graphics are not to scale and do not represent detailed images of the respective products.

### Accessories

- UNIVERSAL STRIP stripping tool refer to page 990
- DATA STRIP stripping tool refer to page 986
- Fibre Strip DC