

## UNITRONIC® ST

Static screened data transmission cable similar to UL AWM 2092

UNITRONIC® ST: Low-frequency, Low-capacitance, grey, EMC optimized PVC data cable, Static aluminum foil screen against high frequencies and for smallest signals



Interference signals

### 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

Last Update (11.12.2022)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## UNITRONIC® ST

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 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
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 Ohm
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

### Note

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.

Prices are net prices without VAT and surcharges. Sale to business customers only.

**UNITRONIC® ST**

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)
UNITRONIC® ST						
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

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