



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, electro-magnetic 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
Outer sheath colour: pebble grey (RAL 7032)

Technical data

- 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
- Specific insulation resistance**
> 5 GOhm x km
- Inductivity**
approx. 0.65 mH/km
- Minimum bending radius**
Occasional flexing: 10 x outer diameter
Fixed installation: 6 x outer diameter
- Test voltage**
1500 V
- Temperature range**
Occasional flexing: -5°C to +70°C
Fixed installation: -40°C to +80°C
- Characteristic impedance**
Approx. 95 Ohm

Article number	Number of conductors and AWG size	Conductor cross-section (mm²)	Core insulation material	Outer sheath material	Outer diameter (mm)	Copper index (kg/km)	Type no.
UNITRONIC® ST							
0033000	2 x AWG 20/7	0.52	PE	PVC	5.2	17.2	Belden 8762
0033001	3 x AWG 20/7	0.52	PE	PVC	5.3	23.0	Belden 8772

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. 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
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 are not to scale and do not represent detailed images of the respective products.

Accessories

- UNIVERSAL STRIP stripping and cutting tool refer to page 910
- DATA STRIP stripping tool refer to page 911

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ACCESSORIES
APPENDIX