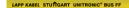


FOUNDATION Fieldbus cable for use in Process Automation - UL-verified

Used in intrinsically safe areas, especially in the field of Process Automatio. UL/CSA-approval. Temperature range from -40 °C bis +105°C













Oil & Gas



Suitable for outdoor use



Mechanical resistance



Temperature-resistant



UV-resistant

#### **Benefits**

Cables meet the requirements of ISA/SP50 and the FOUNDATION™ field bus for the cable type A.

## **Application range**

FOUNDATION™ Fieldbus is used in intrinsically safe areas, especially in the field of Process Automation Fixed Installation

### **Product features**

UV-resistant Extended temperature range

## Norm references / Approvals

With UL/CSA certification (CMG/PLTC)

Last Update (24.03.2025)
©2025 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02\_03.16



## **Product Make-up**

2-core, not armoured, with device ground 3-core, unarmoured, with device ground

3-core, armoured (longitudinally welded, spiral corrugated copper sheath) with device ground

Outer sheath: PVC, yellow

Armoured Version: PVC, yellow and blue

**Technical Data** 

Classification ETIM 5: ETIM 5.0 Class-ID: EC000830

ETIM 5.0 Class-Description: Data cable

Classification ETIM 6: ETIM 6.0 Class-ID: EC000830

ETIM 6.0 Class-Description: Data cable

Peak operating voltage: 300 V

Conductor resistance: ≤ 24 Ohm/km

Minimum bending radius: 15 x outer diameter

Test voltage: 1500 V

Characteristic impedance:  $100 \pm 20$  Ohm at 31.25 kHz

Temperature range: -40 °C or -25 °C to +105 °C, see data sheet

#### 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

Foundation™ is a trademark of the Fieldbus Foundation

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.

Article number	Article designation	Number of pairs and cable diameter	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
PVC					
2170352	UNITRONIC® BUS FF 2	1 x 2 x 1.1	7.9	39.7	82
2170350	UNITRONIC® BUS FF 3	1x2x1.1 + 1x1.1 Ø	7.9	48.3	93
PVC - Armoured					
2170351	UNITRONIC® BUS FF 3 ARM (YE)	1x2x1.1 + 1x1.1 Ø	12.3	125	182
2170353	UNITRONIC® BUS FF 3 ARM (BU)	1x2x1.1 + 1x1.1 Ø	12.3	125	182





LAPP KABEL STUTTGART UNITRONIC® BUS FF3 ARM (BU)