

## UNITRONIC® BUS FF

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



UV-resistant



Temperature-resistant



Mechanical resistance



Oil & Gas



Suitable for outdoor use

### 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 (17.05.2019)

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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® BUS FF

### 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:	$\leq 24$ 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](http://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.

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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

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