

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



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 (10.12.2022)

©2022 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

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:	≤ 24 Ohm/km
Minimum bending radius:	15 x outer diameter
Test voltage:	1500 V
Characteristic impedance:	100 ± 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.

UNITRONIC® BUS FF

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

Last Update (10.12.2022)

©2022 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

UNITRONIC® BUS FF

