

UNITRONIC® BUS FF

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

Used in intrinsically safe areas, especially in the field of Process Automation. 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 (22.02.2024)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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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: | $\leq 24 \text{ Ohm/km}$ |
| Minimum bending radius: | 15 x outer diameter |
| Test voltage: | 1500 V |
| Characteristic impedance: | $100 \pm 20 \text{ Ohm at } 31.25 \text{ kHz}$ |
| 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.

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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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