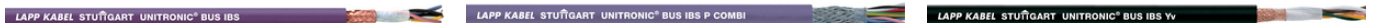


## UNITRONIC® BUS IBS/ IBS FD

INTERBUS cables for different applications

Remote + installation remote bus cable. PUR outer sheath, halogen free, flame retardant, core identification code DIN 47100.  
Temp. range from -30°C bis +80°C



Supplementary automation components from Lapp



Mechanical and plant engineering

### Benefits

Applications:  
fixed Installation,  
high flexible use,  
outdoor use/direct burial

### Application range

Remote bus/ installation remote bus cable

### Product features

#### **UNITRONIC®**

#### **BUS IBS**

fixed installation

#### **UNITRONIC®**

#### **BUS IBS Combi**

with power supply

#### **UNITRONIC®**

#### **BUS IBS A**

UL-verified

#### **UNITRONIC®**

#### **BUS Yv**

outdoor use/ direct burial

#### **UNITRONIC®**

Last Update (24.04.2024)

©2024 Lapp Group - Technical changes reserved

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 IBS/ IBS FD

### BUS Yv Combi

with power supply

### UNITRONIC®

### BUS IBS FD P

fixed installation

### UNITRONIC®

### BUS IBS FD P Combi

with power supply

### UNITRONIC® BUS IBS FD P Combi A

UL-verified

### Norm references / Approvals

Refer to data sheet for more details

According to DIN EN 61158

### Product Make-up

See data sheet

### 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:

(not for power applications) 250 V

Conductor resistance:

see data sheet

Minimum bending radius:

Fixed installation: 8 x outer diameter

Flexing: 15 x outer diameter

Test voltage:

Core/core: 1500 V rms

Characteristic impedance:

100 Ohm

Temperature range:

### UNITRONIC®

### BUS IBS

fixed installation: -30 °C to +80 °C

flexing: -5 °C to +70 °C

### UNITRONIC®

### BUS IBS FD P

fixed installation: -40 °C to +80 °C

flexing: -5 °C to +70 °C

### UNITRONIC®

### BUS IBS Yv

Fest verlegt: -40 °C bis +70 °C

### 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)

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).

Last Update (24.04.2024)

©2024 Lapp Group - Technical changes reserved

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 IBS/ IBS FD**

INTERBUS is a registered trademark of Phoenix Contact GmbH & Co.

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 IBS/ IBS FD**

| Article number  | Article designation             | Number of pairs and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---------------------------------|---|---------------------|----------------------|----------------|
| 2170208   | UNITRONIC® BUS IBS P COMBI      | 3 x 2 x 0,22 + 3 x 1,0                            | 7.9                 | 60                   | 85             |
| Fixed installation - suitable for outdoor use and direct burial |                                 |   |                     |                      |                |
| 2170207   | UNITRONIC® BUS IBS Yv COMBI     | 3 x 2 x 0.22                                      | 9.3                 | 37                   | 94             |
| 2170217   | UNITRONIC® BUS IBS Yv COMBI     | 3 x 2 x 0,22 + 3 x 1,0                            | 9.4                 | 60                   | 128            |
| For fixed installation - UL CMX certification                   |                                 |   |                     |                      |                |
| 2170209   | UNITRONIC® BUS IBS A            | 3 x 2 x 0.22                                      | 7.2                 | 37                   | 72             |
| For highly flexible applications                                |                                 |   |                     |                      |                |
| 2170216   | UNITRONIC® BUS IBS FD P         | 3 x 2 x 0.25                                      | 7.9                 | 39                   | 64             |
| Highly flexible applications - with UL (CMX) certification      |                                 |   |                     |                      |                |
| 2170818   | UNITRONIC® BUS IBS FD P COMBI A | 3 x 2 x 0,25 + 3 x 1,0                            | 7.9                 | 62                   | 92             |

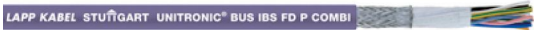
Last Update (24.04.2024)

©2024 Lapp Group - Technical changes reserved

 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 IBS/ IBS FD



Last Update (24.04.2024)

©2024 Lapp Group - Technical changes reserved

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