



**UNITRONIC® BUS IBS**  
INTERBUS cables for fixed installation

**Info**

- IBS - INTERBUS



**Benefits**

- Certified by INTERBUS CLUB

**Application range**

- Fixed Installation

**Product features**

- IBS cable - for fixed installation
- Remote bus cable + installation remote bus cable
- The stated bit rates result in the following cable lengths (maximum) of one bus segment:  
500 kbit/s = max. 400 m
- Halogen-free
- Flame-retardant according IEC 60332-1-2

**Norm references / Approvals**

- According to DIN EN 61158

**Product Make-up**

- **UNITRONIC® BUS IBS**  
Bare copper wire  
Core insulation: PE  
Overall copper braid screen  
Outer sheath: PVC, violet (RAL 4001)
- **UNITRONIC® BUS IBS P COMBI**  
Bare copper wire  
Core insulation: PE  
Overall copper braid screen  
Outer sheath: PUR, violet (RAL 4001)
- **UNITRONIC® BUS IBS A**  
similar to UNITRONIC BUS IBS, but with UL/CSA certification

**Technical data**

- Classification ETIM 5/6**  
ETIM 5.0/6.0 Class-ID: EC000830  
ETIM 5.0/6.0 Class-Description: Data cable
- Mutual capacitance**  
Flexible use: 10 x outer diameter
- Peak operating voltage**  
(not for power applications) 250 V
- Conductor resistance**  
(loop): max. 186 Ω/km
- Minimum bending radius**  
Fixed installation: 8 x outer diameter
- Test voltage**  
Core/core: 1500 V rms
- Characteristic impedance**  
100 Ω
- Temperature range**  
Fixed installation: -30°C to +80°C  
Flexing: -5°C to +70°C

Article number	Cable type	Article designation	Number of pairs and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>Fixed Installation</b>						
2170206	Remote bus cable (RBC)	<b>UNITRONIC® BUS IBS</b> Bare copper wire Core insulation: PE Overall copper braid screen Outer sheath: PVC, violet (RAL 4001)	3 x 2 x 0.22	7.2	37	72
2170208	Installation remote bus cable (INBC)	<b>UNITRONIC® BUS IBS P COMBI</b> Bare copper wire Core insulation: PE Overall copper braid screen Outer sheath: PUR, violet (RAL 4001)	3 x 2 x 0,22 + 3 x 1,0	7.9	60	85
<b>For fixed installation - UL/CSA CMX certification</b>						
2170209	Remote bus cable (RBC)	UNITRONIC® BUS IBS A	3 x 2 x 0.22	7.2	37	72

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).  
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**Accessories**

- SENSOR STRIP stripping tool refer to page 987