

### Product Description

Certified by INTERBUS CLUB.



### Application range

- Stationary application

### Benefits

- Certified by INTERBUS CLUB.

### Design

- UNITRONIC® BUS IBS
- Stranded conductor, bare, core identification code in accordance with DIN 47100, copper braid, PVC outer sheath, violet (RAL 4001)
- UNITRONIC® BUS IBS P COMBI
- Stranded conductor, bare, core identification code in accordance with DIN 47100 (data), stranded, bare (power supply), copper braid, PUR outer sheath, violet (RAL 4001), halogen-free
- UNITRONIC® BUS IBS A as UNITRONIC BUS IBS however with UL/CSA approval

### Approvals (Norm references)

- In accordance with DIN 19258 EN 50254 and IEC 61158

### Product features

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



Technical Data

**Mutual capacitance**

(800 Hz): max. 60 nF/km

**Peak working voltage**

(not for power applications) 250 V

**Conductor resistance**

(loop): max. 186 Ohm/km

**Minimum bending radius**

Fixed installation: 8 x outer diameter

**Test voltage**

Core/core: 1500 V

**Range of temperature**

Static: -30°C up to +80°C

Flexing: -5°C up to +70°C

**Characteristic impedance**

100 Ohm

Article List

| Part 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 |
|--|--------------------------------------|----------------------------|---|-------------------|--------------------|--------------|
| For fixed installation                       |                                      |                            |   |                   |                    |              |
| 2170206                                      | Remote bus cable (RBC)               | UNITRONIC® BUS IBS         | 3 x 2 x 0,22                                      | 7.2               | 37.0               | 72           |
| 2170208                                      | Installation remote bus cable (INBC) | UNITRONIC® BUS IBS P COMBI | 3 x 2 x 0,22 + 3 x 1,0                            | 7.9               | 60.0               | 85           |
| For fixed installation - UL/CSA CMX approval |                                      |                            |   |                   |                    |              |
| 2170209                                      | Remote bus cable (RBC)               | UNITRONIC® BUS IBS A       | 3 x 2 x 0,22                                      | 7.2               | 37.0               | 72           |

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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