



UNITRONIC® BUS IBS

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
- Flame-retardant according IEC 60332-1-2

Norm references / Approvals

- In accordance with DIN 19258 and EN 50254

Product make-up

- UNITRONIC® BUS IBS
- Stranded conductor, bare, core identification code in accordance with DIN 47100, braided copper, 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 is as per UNITRONIC BUS IBS, but with UL/CSA approval

Technical data

- Mutual capacitance**
(800 Hz): max. 60 nF/km
- Peak operating 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 rms
- Temperature range**
Fixed installation:
-30°C to +80°C
Flexing: -5°C to +70°C
- Characteristic impedance**
100 Ohm

Article number	Cable type	Article designation	Number of pairs and mm² 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

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. 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
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 912