HITRONIC®



**Data communication systems** Cables for bus system INTERBUS (IBS)

Characteristic impedance: 100 ohm











# **UNITRONIC® BUS IBS**



# LAPP KABEL STUTTGART UNITRONIC® BUS IBS



# LAPP KABEL STUTTGART UNITRONIC® BUS IBS P COMBI

### Benefits

Certified by INTERBUS CLUB

# Application range

Fixed installation

### Product features

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

## ■ Norm references / Approvals

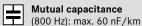
• In accordance with DIN 19258 and EN 50254

## 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

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Peak operating voltage 4 (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  $\leq$  30 kg or  $\leq$  250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils). INTERBUS is a registered trademark of Phoenix Contact GmbH & Co.

Photographs are not to scale and do not represent detailed images of the respective products.

SENSOR STRIP stripping tool refer to page 912