

# **Data communication systems**

## Cables for bus system INTERBUS (IBS)

Characteristic impedance: 100 ohm

















# UNITRONIC® BUS IBS

## LAPP KABEL STUTIGART UNITRONIC® BUS IBS YV



#### Benefits

Certified by INTERBUS CLUB

#### Application range

Suitable for outdoor use and direct burial

#### Product features

- IBS cable for outdoor use or direct burial, UV-resistant (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

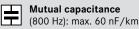
#### ■ Norm references / Approvals

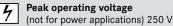
• In accordance with DIN 19258 and EN 50254

#### ■ Product make-up

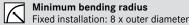
- Data: stranded bare conductor, core colours: white-brown/green-yellow/grey-pink
- Power supply: stranded bare conductor, colours: red, blue, green/yellow
- Overall copper wire braiding
- Reinforced PVC outer sheath
- Colour: black (RAL 9005)

#### Technical data





**Conductor resistance** (loop): max. 186 ohm/km



Test voltage Core/core: 1500 V rms

Temperature range

Fixed installation: -40°C to +70°C

Characteristic impedance Z∞ 100 Ohm

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)
Suitable for outdoor use and direct burial, UV-resistant						
2170207	Remote bus cable (RBC)	UNITRONIC® BUS IBS Yv	3 x 2 x 0.22	9.3	37.0	94
2170217	Installation remote bus cable (INBC)	UNITRONIC® BUS IBS Yv COMBI	3 x 2 x 0,22 + 3 x 1,0	9.4	60.0	128

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