Data communication systems

Bus system INTERBUS (IBS) • Fixed installation

LAPP GROUP

UNITRONIC® BUS IBS

LAPP KABEL STUTTGART UNITRONIC® BUS IBS

LAPP KABEL STUTTGART UNITRONIC® BUS IBS P COMBI

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 certification

Technical data

ETIM	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
	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
Z∞	**Characteristic impedance** 100 Ohm
	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 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	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	85
For fixed installation - UL/CSA CMX certification						
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
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.

Accessories
• SENSOR STRIP stripping tool refer to page 1003