

LAPP KABEL STUTTGART UNITRONIC® BUS P COMBI IBS

LAPP KABEL STUTTGART UNITRONIC® BUS IBS

### Special Feature

#### Remote Bus Cable (RBC)

**UNITRONIC® BUS IBS UL/CSA**  
Like UNITRONIC® BUS IBS above, but with UL/CSA approval.

### Note

IBS Cable - for stationary application (Remote Bus Cable + Installation Remote Bus Cable)  
INTERBUS is a Registered Trademark of Phoenix Contact GmbH & Co  
According to DIN 19258 EN 50254 and IEC 61158.  
LAPP KABEL is a member of INTERBUS CLUB.  
Shown bitrates allow the following cable length (max.) of one segment:  
500 kBit/s = max. 400m  
Characteristic impedance: 100 Ohm  
Technical Data: see overview matrix "UNITRONIC BUS cables"

**IBS Cable – for stationary application (Remote Bus Cable + Installation Remote Bus Cable)**

### Cable Make-up

#### Remote Bus Cable (INBC)

**UNITRONIC® BUS IBS**  
7-wire strands of plain copper wires, cores twisted to pairs and pairs twisted into layers; colour coded acc. to DIN 47100, wrapping of plastic foil, overall screening of copper wires,

Outer sheath: special PVC-compound, flame retardance, according to VDE 0482, part 265-2-1/ IEC 60332-1 (accord. to VDE 0472 part 804 test type B, violet (RAL 4001).  
Certified by INTERBUS CLUB.

#### UNITRONIC® BUS IBS UL/CSA

as UNITRONIC® BUS IBS however with UL and CSA approval

### Cable Make-up

#### Installation Remote Bus Cable (INBC)

**UNITRONIC® BUS P COMBI IBS**

Data pairs:  
Seven-wire strand of plain copper wires, cores twisted to pairs and pairs twisted into layers; colour coded acc. to DIN 47100.

Cores:  
19-wire strand (1 mm<sup>2</sup>) of plain copper wires.  
Overall screening of tinned copper wires.

Outer sheath:  
PUR-compound, halogen-free, flame-retardant according to VDE 0472, part 804, test type b (IEC 60332.1), violet (RAL 4001).  
Certified by INTERBUS CLUB.

### Associated Products

See Sub Chapter ERbic® Interface connectors for fieldbus systems page 12.2



## Technical Data

☐ Minimum bending radius for static: 8 x cable diameter

☐ Temperature range: static: -40 °C up to +80 °C

☐ Conductor resistance: (loop): max. 186 Ohm/km

☐ Mutual capacitance: (800 Hz): max. 60 nF/km

☐ Characteristic Impedance: 100 Ohm

☐ Peak working voltage: (not f. power purpose) 250 V

☐ Test voltage: conductor/conductor: 1500 V

Part number	Type	Type	No. of pairs/cores and mm <sup>2</sup> per conductor	Outside diameter in mm approx.	Copper weight kg/km approx.	Weight kg/km approx.
<b>for stationary application</b>						
2170 206	Remote bus cable (RBC)	UNITRONIC®-BUS IBS	3 x 2 x 0,22	ca. 7,2	37,0	72,0
2170 209	Remote bus cable (RBC)	UNITRONIC®-BUS IBS UL/CSA	3 x 2 x 0,22	ca. 7,2	37,0	72,0
2170 208	Installation remote bus cable (INBC)	UNITRONIC®-BUS P COMBI IBS	3 x 2 x 0,22 + 3 x 1,0	ca. 7,9	60,0	85,0

No cutting charge for standard stock units (50, 100, 250, 500, 1000 m).  
Please declare us your desired design (e.g. 1 x 500 m drum or 5 x 100 rings).  
Coils < 30 kg, beyond automatically drums.