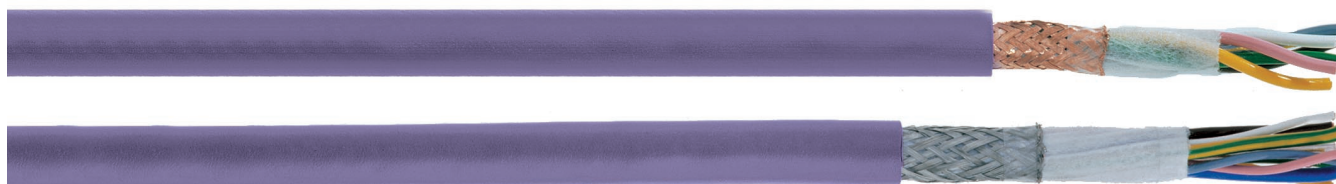


INTERBUS 100 Ohm

For highly flexible application in power chains and frequently moved machine parts.



## Note

### IBS Cable for highly flexible application

(remote bus cable + installation remote bus cable)

INTERBUS is a registered trademark of Phoenix Contact GmbH & Co acc. 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 bus segment:

500 kBit = max. 400m

Characteristic impedance: 100 Ohm

Technical Data: See overview matrix "UNITRONIC BUS cables".

### IBS cable for highly flexible application (remote bus cable + Installation remote bus cable)

**Cable Make-up**  
**UNITRONIC® BUS FD P IBS**  
Superfine strands of plain copper wire, PE core insulation, cores twisted into pairs, colour coded acc. to DIN 47100, pairs twisted into layers, wrapping, screening braid of copper wire, outer sheath of polyurethane compound, halogen free, flame-retardant acc. to VDE 0482, part 265-2-1 / IEC 60332-1 (equivalent to VDE 0472 part 804 test type B), violet (RAL 4001).  
Certified by INTERBUS-CLUB.

### Cable Make-up

#### UNITRONIC® BUS FD P COMBI IBS

Data pairs:  
Superfine wire strands of plain copper wires, cores twisted in pairs, core colours white-brown/green-yellow/grey-pink.

#### Cores:

Strands 1,0 mm<sup>2</sup> of plain copper wires, core colours red, blue, green/yellow.

Overall screening:  
tinned copper wires.

#### Outer sheath:

Polyurethane compound, halogen free, flame-retardant acc. to VDE 0472, part 804 test acc. to 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 flexing: 15 x cable diameter

Temperature range: flexing: -30 °C up to +70 °C

Conductor resistance: (loop): max. 159,8 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	Weight kg/km approx.
<b>for highly flexible application (power supply chains, frequently moved machine parts etc.)</b>						
2170 216	Remote bus cable (RBC)	UNITRONIC®-BUS FD P IBS	3 x 2 x 0,25	7,9	39,0	64,0
2170 218	Inst. remote bus cable (INBC)	UNITRONIC®-BUS FD P COMBI IBS	3 x 2 x 0,25 + 3 x 1,0	7,9	62,0	92,0

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.