

# UNITRONIC® BUS Yv IBS + Yv COMBI IBS

For outdoor use and direct burial, UV resistant

INTERBUS 100 Ohm

LAPP KABEL STUÏGART UNITRONIC® BUS Yv IBS

LAPP KABEL STUÏGART UNITRONIC® BUS Yv COMBI IBS

## Note

IBS cable –outdoor use/direct burial + UV-resistant (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 member of INTERBUS CLUB.

Shown bitrates allow the following cable lengths (max.) of one bus segment. 500 kBit/s max. 400m Characteristic impedance 100 Ohm

Technical Data: see overview “UNITRONIC BUS cables”

## UNITRONIC® BUS Yv IBS Cable Make-up

Seven-wire stranded conductor of bare copper wires, core insulation of polyethylene compound, cores twisted into pairs and pairs into layers, colour coded acc. to DIN 47100, screen braiding of copper wire, outer sheath of special PVC-based compound, flame retardant acc. to VDE 0482, part 265-2-1 / IEC 60332-1 (previously VDE 0472 part 804 test type B), black (RAL 9005). Certified by INTERBUS-CLUB.

## UNITRONIC® BUS Yv COMBI IBS Cable Make-up

Data pairs: 7-wire stranded conductor of plain copper wires, cores twisted into pairs, core colours white-brown/ green-yellow/grey-pink. Cores for power supply: Stranded conductor (1,0 mm<sup>2</sup>) of plain copper wires, core colours red, blue, green/yellow. Overall screening: tinned copper wires. Outer sheath: reinforced PVC, UV resistant, flame retardant acc. to VDE 0482, part 265-2-1 / IEC 60332-1 (previously VDE 0472 part 804 test type B), black (RAL 9005). 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	Weight kg/km approx.
<b>outdoor use / direct burial + UV resistant</b>						
2170 207	Remote bus cable (RBC)	UNITRONIC®-BUS Yv IBS	3 x 2 x 0,22	9,3	37,0	94,0
2170 217	Inst. remote bus cable (INBC)	UNITRONIC®-BUS Yv COMBI IBS	3 x 2 x 0,22 + 3 x 1,0	9,4	60,0	128,0

G = with protective conductor; X = without protective conductor.  
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.