

# Installation remote bus cable - IBS INBC METER/E - 2723152


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By the meter, Installation remote bus cable, INTERBUS, shielded, PVC/PVC, black RAL 9005, 9-wire (3 x 2 x 0.22 mm<sup>2</sup> + 3 x 1 mm<sup>2</sup>), color single wire: green-yellow, white-brown, gray-pink, red, blue, green/yellow, for underground runs



## Key Commercial Data

Packing unit	1 M
GTIN	 4 017918 141288
GTIN	4017918141288

## Technical data

### General data

Number of positions	9
Alternative short product description	Installation remote bus cable

### Cable

Signal type/category	INTERBUS
Cable structure	3 x 2 x 0.22 mm <sup>2</sup> + 3 x 1 mm <sup>2</sup>
Conductor cross section	3x 2x 0.22 mm <sup>2</sup> (Data) 3x 1 mm <sup>2</sup> (Supply)
Conductor structure signal line	7x 0.20 mm
Conductor structure, voltage supply	14x 0.30 mm
Core diameter including insulation	1 mm (Data) 1.7 mm (Supply)
Wire colors	green-yellow, white-brown, gray-pink, red, blue, green/yellow
Twisted pairs	2 cores to the pair
Overall twist	3 pairs and 3 wires to form the core
Shielding	Tinned copper braided shield
External sheath, color	black RAL 9005
Inner sheath thickness	0.9 mm

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### Cable

External cable diameter D	9.7 mm ±0,3 mm
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	15 x D
Outer sheath, material	PVC
Material, inner sheath	PVC
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 5 GΩ*km (Data)
	≥ 5 GΩ*km (Supply)
Loop resistance	≤ 186.00 Ω/km (Data)
	≤ 19.50 Ω/km (Supply)
Cable capacity	≤ 60 nF/km (At 800 Hz)
Wave impedance	110 Ω ±20 Ω (at 64 kHz)
	95 Ω ±15 Ω (at >1 MHz)
Near end crosstalk attenuation (NEXT)	≥ 61 dB (at 772 kHz)
	≥ 59 dB (with 1 MHz)
	≥ 55 dB (at 2 MHz)
	≥ 50 dB (at 4 MHz)
	≥ 46 dB (at 8 MHz)
	≥ 44 dB (at 10 MHz)
	≥ 41 dB (at 16 MHz)
	≥ 40 dB (at 20 MHz)
Attenuation	≤ 10 dB/km (at 256 kHz)
	≤ 25 dB/km (at 772 kHz)
	≤ 28 dB/km (with 1 MHz)
	≤ 69 dB/km (at 4 MHz)
	≤ 12 dB/km (at 10 MHz)
	≤ 15.5 dB/km (at 16 MHz)
	≤ 17.2 dB/km (at 20 MHz)
Signal speed	0.66 c
Coupling resistance	< 250.00 mΩ/m (at 30 MHz)
Nominal voltage, cable	250 V (Peak value, not for high-power applications)
	450 V (Supply)
Test voltage Core/Core	1500 V <sub>rms</sub>
Test voltage Core/Shield	1000 V <sub>rms</sub>
Flame resistance	according to VDE 0472, Part 804, test type B
	according to IEC 60332-1
Ambient temperature (operation)	-30 °C ... 70 °C (cable, fixed installation)
	-5 °C ... 70 °C (cable, flexible installation)

### Environmental Product Compliance

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### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Approvals

### Approvals

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#### Approvals

INTERBUS CLUB

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#### Ex Approvals

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### Approval details

INTERBUS CLUB	113/27.05.97
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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>