

# IBS RBC METER/E-T - Remote bus cable



2723149

<https://www.phoenixcontact.com/us/products/2723149>

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By the meter, Remote bus cable, INTERBUS, shielded, PVC, black RAL 9005, 6-wire (3 x 2 x 0.22 mm<sup>2</sup>), color single wire: green-yellow, white-brown, gray-pink, for underground runs



## Commercial data

Item number	2723149
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LEA
GTIN	4017918141271
Weight per piece (including packing)	95.2 g
Weight per piece (excluding packing)	95.2 g
Customs tariff number	85444993
Country of origin	DE

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## Technical data

### Product properties

Product type	Remote bus cable
Number of positions	6

### Electrical properties

Transmission medium	Copper
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### Cable/line

Number of positions	6
Shielded	yes
Conductor structure	3 x 2 x 0.22 mm <sup>2</sup>
Signal speed	0.66 c
Conductor structure signal line	7x 0.20 mm
Conductor cross-section	3x 2x 0.22 mm <sup>2</sup>
External cable diameter	9.00 mm
Outer sheath, material	PVC
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PE
Single wire, color	green-yellow, white-brown, gray-pink
Twisted pairs	2 cores to the pair
Overall twist	3 pairs to the core
Insulation resistance	≥ 5 GΩ*km
Coupling resistance	< 250.00 mΩ/m (at 30 MHz)
Loop resistance	≤ 186.00 Ω/km
Wave impedance	120 Ω ±20 % (at 64 kHz) 100 Ω ±15 % (with 1 MHz)
Cable capacity	≤ 60 nF/km (At 800 Hz)
Nominal voltage, cable	250 V (Peak value, not for high-power applications)
Test voltage Core/Core	1500 V <sub>rms</sub>
Test voltage Core/Shield	1000.00 V <sub>rms</sub>
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	15 x D
Smallest bending radius, fixed installation	68 mm
Smallest bending radius, movable installation	135 mm
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)

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Shield attenuation	$\geq 41$ dB (at 16 MHz)
	$\geq 40$ dB (at 20 MHz)
	$\leq 15$ dB/km (at 256 kHz)
	$\leq 24$ dB/km (at 772 kHz)
	$\leq 27$ dB/km (with 1 MHz)
	$\leq 52$ dB/km (at 4 MHz)
	$\leq 84$ dB/km (at 10 MHz)
	$\leq 112$ dB/km (at 16 MHz)
	$\leq 119$ dB/km (at 20 MHz)
Ambient temperature (operation)	-30 °C ... 70 °C (cable, fixed installation)
	-5 °C ... 70 °C (Cable, flexible installation)

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2723149>



**EAC-RoHS**

Approval ID: RU D-DE.HB35.B.00371

**INTERBUS CLUB**

Approval ID: 116/27.05.97

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## Classifications

### ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

### ETIM

ETIM 10.0	EC003249
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	0.214 kg CO2e
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