

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



2723123

<https://www.phoenixcontact.com/us/products/2723123>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



By the meter, Remote bus cable, INTERBUS, shielded, PUR halogen-free, may green RAL 6017, 6-wire (3 x 2 x 0.22 mm<sup>2</sup>), color single wire: green-yellow, white-brown, gray-pink, flexible installation

## Commercial data

Item number	2723123
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LEA
GTIN	4017918132552
Weight per piece (including packing)	70.68 g
Weight per piece (excluding packing)	70.68 g
Customs tariff number	85444993
Country of origin	DE

2723123

<https://www.phoenixcontact.com/us/products/2723123>

## Technical data

### Product properties

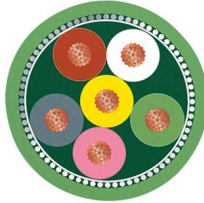
Product type	Remote bus cable
Number of positions	6

### Electrical properties

Transmission medium	Copper
---------------------	--------

### Cable/line

#### INTERBUS [900]

Dimensional drawing	
Cable weight	70 kg/km
Number of positions	6
Shielded	yes
Cable type	INTERBUS [900]
Conductor structure	3 x 2 x 0.22 mm <sup>2</sup>
Signal speed	0.66 c
Conductor structure signal line	32x 0.10 mm
AWG signal line	24
Conductor cross-section	3x 2x 0.22 mm <sup>2</sup>
External cable diameter	8.00 mm
Outer sheath, material	PUR
External sheath, color	may green RAL 6017
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	≤ 159.80 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)

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



2723123

<https://www.phoenixcontact.com/us/products/2723123>

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	60 mm
Smallest bending radius, movable installation	120 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 120 mm, Traversing path: 10 m, Traversing rate: 1.6 m/s, Acceleration: 3.2 m/s <sup>2</sup>
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)
Shield attenuation	≤ 15 dB/km (at 256 kHz)
	≤ 24 dB/km (at 772 kHz)
	≤ 27 dB/km (with 1 MHz)
	≤ 52 dB/km (at 4 MHz)
	≤ 84 dB/km (at 10 MHz)
	≤ 112 dB/km (at 16 MHz)
	≤ 119 dB/km (at 20 MHz)
Flame resistance	according to VDE 0472, Part 4, test type B
	according to IEC 60332-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-30 °C ... 70 °C (Cable, flexible installation)

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



2723123

<https://www.phoenixcontact.com/us/products/2723123>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2723123>



**EAC-RoHS**

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

**INTERBUS CLUB**

Approval ID: 117/27.05.97

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



2723123

<https://www.phoenixcontact.com/us/products/2723123>

## Classifications

### ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

### ETIM

ETIM 10.0	EC003249
-----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

2723123

<https://www.phoenixcontact.com/us/products/2723123>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
-----------------------------------------	--------------------

### 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.214 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)