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IBS RBC METER/E-T - Remote bus cable

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^2), color single wire: green-yellow, white-brown, gray-pink, for underground runs

Commercial data

Item number	2723149
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF1LEA
Product key	BF1LEA
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

Cable/line

Number of positions	6
Shielded	yes
Conductor structure	3 x 2 x 0.22 mm²
Signal speed	0.66 c
Conductor structure signal line	7x 0.20 mm
Conductor cross section	3x 2x 0.22 mm²
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_{rms}
Test voltage Core/Shield	1000.00 V_{rms}
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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	≥ 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)
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/gb/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-11.0	27061801
ECLASS-12.0	27061801
ECLASS-13.0	27061801

ETIM

ETIM 9.0	EC003249

UNSPSC

UNSPSC 21.0	26121600

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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%

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