IBS INBC METER/E - Installation remote bus cable

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^2 + 3 x 1 mm^2), color single wire: green-yellow, white-brown, gray-pink, red, blue, green/yellow, for underground runs

Commercial data

Item number	2723152
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LEA
GTIN	4017918141288
Weight per piece (including packing)	137.6 g
Weight per piece (excluding packing)	137.6 g
Customs tariff number	85444993
Country of origin	DE

Technical data

Product properties

Product type	Remote bus cable
Number of positions	9

Electrical properties

Transmission medium	Copper

Cable/line

Number of positions	9
Shielded	yes
Conductor structure	3 x 2 x 0.22 mm² + 3 x 1 mm²
Signal speed	0.66 c
Conductor structure signal line	7x 0.20 mm
Conductor structure, voltage supply	14x 0.30 mm
Conductor cross-section	3x 2x 0.22 mm² (Data)
	3x 1 mm² (Supply)
Wire diameter incl. insulation	1 mm (Data)
	1.7 mm (Supply)
External cable diameter	9.70 mm ±0.3 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, red, blue, green/yellow
Inner sheath thickness	0.90 mm
Twisted pairs	2 cores to the pair
Overall twist	3 pairs and 3 wires to form the core
Insulation resistance	≥ 5 GΩ*km (Data)
	≥ 5 GΩ*km (Supply)
Coupling resistance	< 250.00 mΩ/m (at 30 MHz)
Loop resistance	≤ 186.00 Ω/km (Data)
	≤ 19.50 Ω/km (Supply)
Wave impedance	110 Ω ±20 Ω (at 64 kHz)
	95 Ω ±15 Ω (at >1 MHz)
Cable capacity	≤ 60 nF/km (At 800 Hz)
Nominal voltage, cable	250 V (Peak value, not for high-power applications)
	450 V (Supply)
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	73 mm
Smallest bending radius, movable installation	146 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)
	≥ 41 dB (at 16 MHz)
	≥ 40 dB (at 20 MHz)
Shield 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)
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)

Approvals

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

INTERBUS CLUB
Approval ID: 113/27.05.97

Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

ETIM

ETIM 10.0	EC003249

UNSPSC

UNSPSC 21.0	26121600

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

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