

Installation remote bus cable - IBS INBC METER/S - 2759870

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By the meter, Installation remote bus cable, INTERBUS, shielded, PUR, may green RAL 6017, 9-wire (3 x 2 x 0.25 mm² + 3 x 1 mm²), color single wire: green-yellow, white-brown, gray-pink, red, blue, green/yellow, highly flexible, welding sputter-resistant



Key Commercial Data

Packing unit	1 M
GTIN	 4 017918 064020
GTIN	4017918064020
Weight per Piece (excluding packing)	90.240 g
Custom tariff number	85444995
Country of origin	Germany
Note	Made to Order (non-returnable)

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 0.25 mm ² + 3 x 1 mm ²
Conductor cross section	3x 2x 0.25 mm ² (Data)
	3x 1 mm ² (Supply)
Conductor structure signal line	32x 0.10 mm
Conductor structure, voltage supply	56x 0.15 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

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Cable

Overall twist	3 pairs and 3 wires to form the core
Shielding	Tinned copper braided shield
External sheath, color	may green RAL 6017
External cable diameter D	7.7 mm +0.2 mm
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	15 x D
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$ (Data)
	$\geq 5 \text{ G}\Omega \cdot \text{km}$ (Supply)
Loop resistance	$\leq 159.80 \text{ }\Omega/\text{km}$ (Data)
	$\leq 19.50 \text{ }\Omega/\text{km}$ (Supply)
Cable capacity	$\leq 60 \text{ nF/km}$ (At 800 Hz)
Wave impedance	$110 \text{ }\Omega \pm 20 \text{ }\Omega$ (at 64 kHz)
	$95 \text{ }\Omega \pm 15 \text{ }\Omega$ (at >1 MHz)
Near end crosstalk attenuation (NEXT)	$\geq 61 \text{ dB}$ (at 772 kHz)
	$\geq 59 \text{ dB}$ (with 1 MHz)
	$\geq 55 \text{ dB}$ (at 2 MHz)
	$\geq 50 \text{ dB}$ (at 4 MHz)
	$\geq 46 \text{ dB}$ (at 8 MHz)
	$\geq 44 \text{ dB}$ (at 10 MHz)
	$\geq 41 \text{ dB}$ (at 16 MHz)
	$\geq 40 \text{ dB}$ (at 20 MHz)
Attenuation	$\leq 10 \text{ dB/km}$ (at 256 kHz)
	$\leq 25 \text{ dB/km}$ (at 772 kHz)
	$\leq 28 \text{ dB/km}$ (with 1 MHz)
	$\leq 69 \text{ dB/km}$ (at 4 MHz)
	$\leq 12 \text{ dB/km}$ (at 10 MHz)
	$\leq 15.5 \text{ dB/km}$ (at 16 MHz)
	$\leq 17.2 \text{ dB/km}$ (at 20 MHz)
Signal speed	0.66 c
Coupling resistance	$< 250.00 \text{ m}\Omega/\text{m}$ (at 30 MHz)
Nominal voltage, cable	250 V (Peak value, not for high-power applications)
	450 V (Supply)
Test voltage Core/Core	$1500 \text{ V}_{\text{rms}}$
Test voltage Core/Shield	$1000 \text{ V}_{\text{rms}}$
Flame resistance	according to VDE 0472, Part 804, test type B
	according to IEC 60332-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)

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	-30 °C ... 70 °C (cable, flexible installation)
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Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801
eCl@ss 9.0	27061801

ETIM

ETIM 2.0	EC000304
ETIM 3.0	EC000830
ETIM 4.0	EC002498
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	39121311
UNSPSC 12.01	39121311
UNSPSC 13.2	26121604
UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121604

Approvals

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Approvals

Approvals

INTERBUS CLUB

Ex Approvals

Approval details

INTERBUS CLUB	114/27.05.97
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