

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

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
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

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Cable

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	≥ 5 GΩ*km (Data)
	≥ 5 GΩ*km (Supply)
Loop resistance	≤ 159.80 Ω/km (Data)
	≤ 19.50 Ω/km (Supply)
Cable capacity	≤ 60 nF/km (At 800 Hz)
Wave impedance	110 Ω ±20 Ω (at 64 kHz)
	95 Ω ±15 Ω (at >1 MHz)
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)
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)
Signal speed	0.66 c
Coupling resistance	< 250.00 mΩ/m (at 30 MHz)
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 V _{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)
	-30 °C ... 70 °C (cable, flexible installation)

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
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Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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Classifications

eCl@ss

eCl@ss 10.0.1	27060390
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

Approvals

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INTERBUS CLUB / EAC-RoHS

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Approvals

Ex Approvals

Approval details

INTERBUS CLUB	114/27.05.97
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EAC-RoHS		RU D- DE.HB35.B.00371
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