

Remote bus cable - IBS RBC METER/E-T - 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 mm²), color single wire: Green-yellow, white-brown, gray-pink, for underground runs



Key Commercial Data

Packing unit	1 M
GTIN	 4 017918 141271
GTIN	4017918141271
Weight per Piece (excluding packing)	95.200 g
Custom tariff number	85444993
Country of origin	Germany

Technical data

General data

Number of positions	6
Alternative short product description	Remote bus cable

Cable

Signal type/category	INTERBUS
Cable structure	3 x 2 x 0.22 mm ²
Conductor cross section	3x 2x 0.22 mm ²
Conductor structure signal line	7x 0.20 mm
Wire colors	Green-yellow, white-brown, gray-pink
Twisted pairs	2 cores to the pair
Overall twist	3 pairs to the core

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Technical data

Cable

Shielding	Braided copper wires
External sheath, color	black RAL 9005
External cable diameter D	9 mm
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	15 x D
Outer sheath, material	PVC
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Loop resistance	$\leq 186.00 \text{ }\Omega/\text{km}$
Cable capacity	$\leq 60 \text{ nF/km}$ (At 800 Hz)
Wave impedance	$120 \text{ }\Omega \pm 20 \%$ (at 64 kHz)
	$100 \text{ }\Omega \pm 15 \%$ (with 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	$\leq 15 \text{ dB/km}$ (at 256 kHz)
	$\leq 24 \text{ dB/km}$ (at 772 kHz)
	$\leq 27 \text{ dB/km}$ (with 1 MHz)
	$\leq 52 \text{ dB/km}$ (at 4 MHz)
	$\leq 84 \text{ dB/km}$ (at 10 MHz)
	$\leq 112 \text{ dB/km}$ (at 16 MHz)
	$\leq 119 \text{ dB/km}$ (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)
Test voltage Core/Core	$1500 \text{ V}_{\text{rms}}$
Test voltage Core/Shield	$1000 \text{ V}_{\text{rms}}$
Ambient temperature (operation)	-30 °C ... 70 °C (cable, fixed installation)
	-5 °C ... 70 °C (Cable, flexible installation)
Shielded	yes

Environmental Product Compliance

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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 10.0.1	27060390
eCl@ss 11.0	27061801
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 9.0	27061801

ETIM

ETIM 2.0	EC000304
ETIM 3.0	EC000830
ETIM 4.0	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 / EAC-RoHS

Ex Approvals

Approval details

INTERBUS CLUB	116/27.05.97
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EAC-RoHS		RU D- DE.HB35.B.00371
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