IBS INBC METER/S - Installation remote bus cable

2759870

https://www.phoenixcontact.com/us/products/2759870

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Commercial data

Item number	2759870
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LEA
GTIN	4017918064020
Weight per piece (including packing)	90.24 g
Weight per piece (excluding packing)	90.24 g
Customs tariff number	85444995
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 0.25 mm² + 3 x 1 mm²
Signal speed	0.66 c
Conductor structure signal line	32x 0.10 mm
Conductor structure, voltage supply	56x 0.15 mm
Conductor cross-section	3x 2x 0.25 mm² (Data)
	3x 1 mm² (Supply)
Wire diameter incl. insulation	1 mm (Data)
	1.7 mm (Supply)
External cable diameter	7.70 mm +0.2 mm
Outer sheath, material	PUR
External sheath, color	may green RAL 6017
Conductor material	Bare Cu litz wires
Material wire insulation	PE
Single wire, color	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
Insulation resistance	≥ 5 GΩ*km (Data)
	≥ 5 GΩ*km (Supply)
Coupling resistance	< 250.00 mΩ/m (at 30 MHz)
Loop resistance	≤ 159.80 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	58 mm

Smallest bending radius, movable installation	116 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)	-40 °C ... 80 °C (cable, fixed installation)
	-30 °C ... 70 °C (Cable, flexible installation)

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2759870

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

INTERBUS CLUB
Approval ID: 114/27.05.97

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

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com