

IBS INBC METER/E - Installation remote bus cable



2723152

<https://www.phoenixcontact.com/us/products/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 mm² + 3 x 1 mm²), 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 mm ² + 3 x 1 mm ² |
| 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 mm ² (Data) |
| | 3x 1 mm ² (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 |

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|---|--|
| 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) |

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Approvals

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EAC-RoHS

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

INTERBUS CLUB

Approval ID: 113/27.05.97

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27061801 |
| ECLASS-15.0 | 27061801 |

ETIM

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| ETIM 9.0 | EC003249 |
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UNSPSC

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|-------------|----------|
| UNSPSC 21.0 | 26121600 |
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Environmental product compliance

EU RoHS

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|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

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| 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% |
|-------------------------------------|----------------------------|

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