

Remote bus cable - IBS RBC METER/F-T - 2723123


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By the meter, Remote bus cable, INTERBUS, shielded, PUR halogen-free, may green RAL 6017, 6-wire (3 x 2 x 0.22 mm²), color single wire: Green-yellow, white-brown, gray-pink, flexible installation



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 M |
| GTIN |  4 017918 132552 |
| GTIN | 4017918132552 |

Technical data

General data

| | |
|---------------------------------------|------------------|
| Number of positions | 6 |
| Alternative short product description | Remote bus cable |

Cable

| | |
|--|--------------------------------------|
| Cable type | INTERBUS |
| Cable type (abbreviation) | 900 |
| Signal type/category | INTERBUS |
| Cable structure | 3 x 2 x 0.22 mm ² |
| Conductor cross section | 3x 2x 0.22 mm ² |
| AWG signal line | 24 |
| Conductor structure signal line | 32x 0.10 mm |
| Wire colors | Green-yellow, white-brown, gray-pink |
| Twisted pairs | 2 cores to the pair |
| Overall twist | 3 pairs to the core |
| Shielding | Braided copper wires |
| External sheath, color | may green RAL 6017 |
| External cable diameter D | 8 mm |
| Minimum bending radius, fixed installation | 7.5 x D |

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Technical data

Cable

| | |
|---|---|
| Minimum bending radius, flexible installation | 15 x D |
| Number of bending cycles | 5000000 |
| Bending radius | 120 mm |
| Traversing path | 10 m |
| Traversing rate | 1.6 m/s |
| Acceleration | 3.2 m/s ² |
| Cable weight | 70 kg/km |
| Outer sheath, material | PUR |
| Material conductor insulation | PE |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 5 GΩ*km |
| Loop resistance | ≤ 159.80 Ω/km |
| Cable capacity | ≤ 60 nF/km (At 800 Hz) |
| Wave impedance | 120 Ω ±20 % (at 64 kHz) |
| | 100 Ω ±15 % (with 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 | ≤ 15 dB/km (at 256 kHz) |
| | ≤ 24 dB/km (at 772 kHz) |
| | ≤ 27 dB/km (with 1 MHz) |
| | ≤ 52 dB/km (at 4 MHz) |
| | ≤ 84 dB/km (at 10 MHz) |
| | ≤ 112 dB/km (at 16 MHz) |
| | ≤ 119 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) |
| Test voltage Core/Core | 1500 V _{rms} |
| Test voltage Core/Shield | 1000 V _{rms} |
| Flame resistance | according to VDE 0472, Part 4, 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

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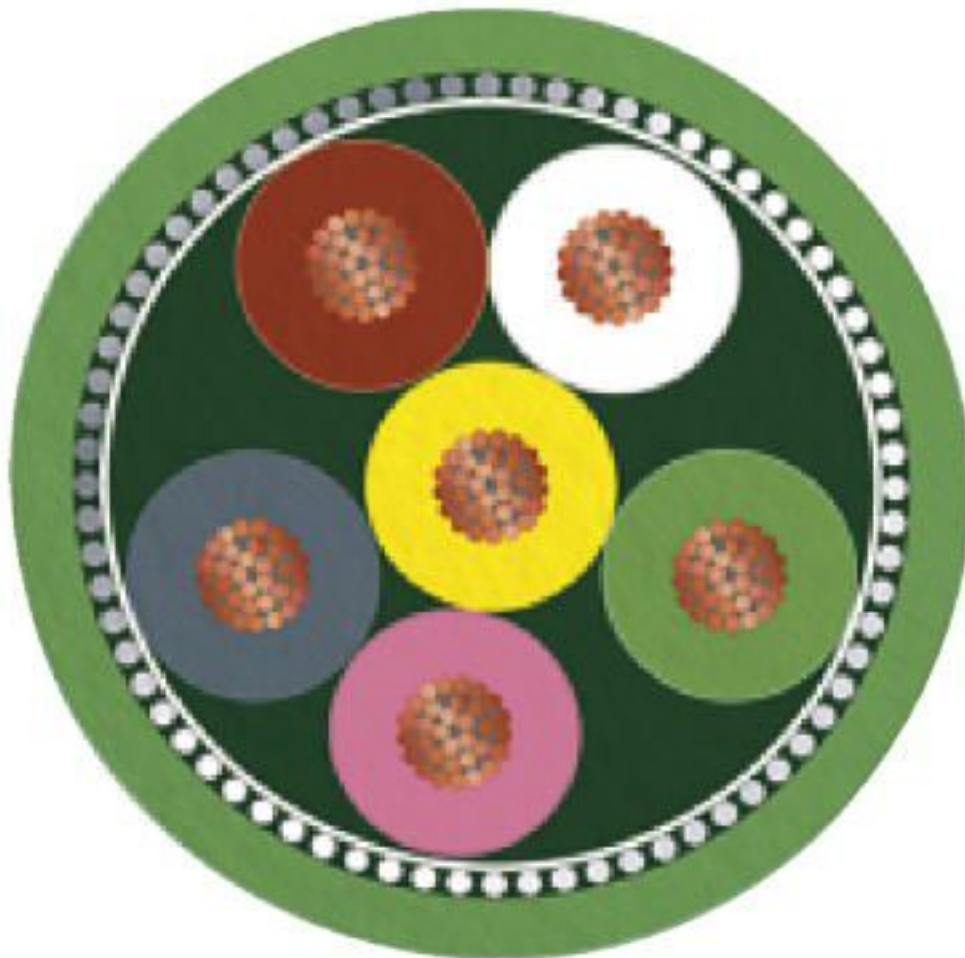
Technical data

Environmental Product Compliance

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

Drawings

Cable cross section



INTERBUS [900]

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27060390 |
| eCl@ss 4.0 | 24010400 |
| eCl@ss 4.1 | 24010400 |

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Classifications

eCl@ss

| | |
|------------|----------|
| 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 | EC000830 |
| 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

Approvals

INTERBUS CLUB / EAC-RoHS

Ex Approvals

Approval details

| | |
|---------------|--------------|
| INTERBUS CLUB | 117/27.05.97 |
|---------------|--------------|

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Approvals

EAC-RoHS



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DE.HB35.B.00371

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