

## 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                                 |  |
| GTIN                                 | 4017918132552                                                                        |
| Weight per Piece (excluding packing) | 70.680 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

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Cable type                      | INTERBUS                             |
| Cable type (abbreviation)       | 900                                  |
| Signal type/category            | INTERBUS                             |
| Cable structure                 | 3 x 2 x 0.22 mm²                     |
| Conductor cross section         | 3x 2x 0.22 mm²                       |
| AWG signal line                 | 24                                   |
| Conductor structure signal line | 32x 0.10 mm                          |
| Wire colors                     | Green-yellow, white-brown, gray-pink |

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## Technical data

### Cable

|                                               |                          |
|-----------------------------------------------|--------------------------|
| 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                  |
| 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 <sup>2</sup>     |
| 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                   |

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#### Cable

|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| 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 <sub>rms</sub>                               |
| Test voltage Core/Shield        | 1000 V <sub>rms</sub>                               |
| 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)     |

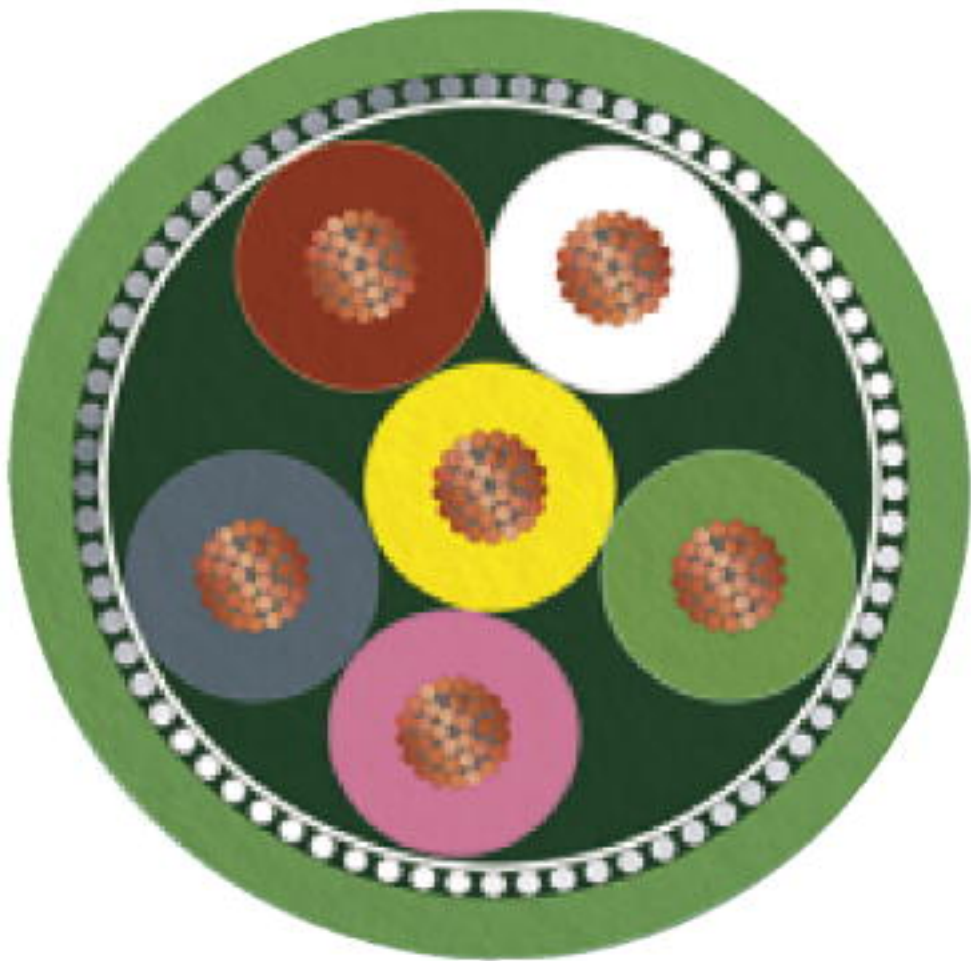
#### Environmental Product Compliance

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

### Drawings

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

Cable cross section



INTERBUS [900]

Classifications

eCl@ss

|            |          |
|------------|----------|
| 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 |

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### Classifications

eCl@ss

|            |          |
|------------|----------|
| 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 |

### Approvals

#### Approvals

Approvals

INTERBUS CLUB / EAC

Ex Approvals

#### Approval details

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

|     |                                                                                     |               |
|-----|-------------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-------------------------------------------------------------------------------------|---------------|