



UNITRONIC® BUS PB ROBUST

Halogen-free PROFIBUS cable - resistant to a wide range of chemical media



Info

- Excellent weather resistance
- Good chemical resistance

Benefits

- Robust PROFIBUS cable for use under harsh environmental conditions

Application range

- For use for PROFIBUS-DP or FIP in harsh industrial environments
- Fixed Installation

Product features

- Significantly extended use and application areas, water and chemical resistance for use in industrial conditions.
- High resistance to tensides, soaps etc.
- UV-resistant
- Flame-retardant according IEC 60332-1-2
- Based on the bit rates listed, in accordance with PNO specifications the following maximum cable lengths for a bus segment apply (cable type A, PROFIBUS-DP):
 93.75 kbit/s = 1200 m
 187.5 kbit/s = 1000 m
 500 kbit/s = 400 m
 1.5 Mbit/s = 200 m
 12.0 Mbit/s = 100 m

Product Make-up

- Solid and bare copper conductor
- Core insulation: cellular PE, O2Y(S)
- Overall screening with copper braid and plastic-laminated aluminium foil
- Outer sheath: Specially formulated TPE, violet (RAL 4001)
- With conventional cable design

Technical data

- Classification ETIM 5/6**
 ETIM 5.0/6.0 Class-ID: EC000830
 ETIM 5.0/6.0 Class-Description: Data cable
- Mutual capacitance**
 (1 kHz): approx. 28.5 nF/km
- Peak operating voltage**
 (not for power applications) 250 V
- Minimum bending radius**
 Fixed installation: 75 mm
- Test voltage**
 Core/core: 1500 V rms
 Core/screen: 1500 V
- Characteristic impedance**
 (3 - 20 MHz): 150 ± 15 Ω
- Temperature range**
 -40°C to +80°C

| Article number | Article designation | Number of pairs and conductor diameter (mm) | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|-------------------------------|--------------------------|---|---------------------|----------------------|----------------|
| for fixed installation | | | | | |
| 2170620 | UNITRONIC® BUS PB ROBUST | 1 x 2 x 0.64 | 8 | 26 | 55 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
 Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
 Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
 Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
 SIMATIC® is a registered trademark of SIEMENS AG. FIP is a registered trademark of World FIP
 Lapp Kabel is a member of the PROFIBUS user organisation (PNO)
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Accessories

- Sub-D Bus-Connectors