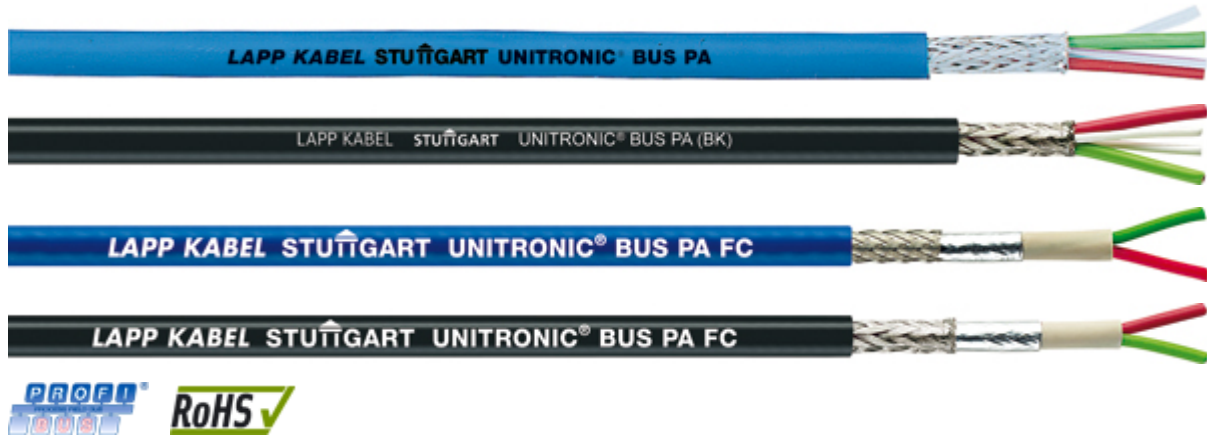


Product Description

FC (Fast Connect) variant is oil- and UV resistant



Application range

- Process automation application for connecting sensors and actuators - including in areas with a risk of explosion.
- Stationary application

Benefits

- FC (Fast Connect) variant is oil- and UV resistant

Design

- UNITRONIC® BUS PA (BU/BK) Stranded copper conductor, core colours red and green, copper braiding, PVC sheath, colour: blue (intrinsically safe area), colour: black (non-intrinsically safe area)
- UNITRONIC® BUS PA FC (BU/BK) As above however with UL/CSA CMG approbation and with "Fast Connect" cable design which allows a quick connection of the IDC connector (Insulation Displacement Connection).

Approvals (Norm references)

- PROFIBUS® PA is standardised in EN 50170 like PROFIBUS® DP and PROFIBUS® FMS
- Transmission technology for PROFIBUS-PA in accordance with international standard IEC 61158-2
- FC variant with UL/CSA approval (CMG / PLTC)

Product features

- Bit rate = 31.25 kbit/s. Transmission technology RS485 also possible but bit rate is limited to 1.5 Mbit/s



- Maximum segment length depends on several factors (e.g. supply voltage, current demand).
- Technical Data: see overview "UNITRONIC® Bus Cables".
- Flame retardant according to IEC 60332-1-2

Technical Data

Peak working voltage

(not for power purposes) 250 V

Conductor resistance

(loop): max. 44 Ohm/km

Minimum bending radius

Fixed installation: 10 x outer diameter

Test voltage

Core/core: 1500 V

Range of temperature

Static: -30°C up to +80°C

For installation: -5°C up to +50°C

Characteristic impedance

100 +/- 20 Ohm

Article List

Part number	Article designation	Number of pairs and cable diameter per conductor in mm	Outer diameter in mm	Copper index kg/km	Weight kg/km
For fixed installation - conventional cable assembly					
2170234	UNITRONIC® BUS PA (BU)	1 x 2 x 1	8.0	45.0	84
2170235	UNITRONIC® BUS PA (BK)	1 x 2 x 1	8.0	45.0	84
For fixed installation - "Fast Connect" cable assembly - UL/CSA CMG approbation					
2170334	UNITRONIC® BUS PA FC (BU)	1 x 2 x 1	8.0	45.5	103
2170335	UNITRONIC® BUS PA FC (BK)	1 x 2 x 1	8.0	45.5	103

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum



Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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Armoured

Photographs are not to scale and do not represent detailed images of the respective products.