

Bus system PROFIBUS-DP/FMS/FIP • Fixed installation















UNITRONIC® BUS PB FRNC FC

Fixed installation

LAPP KABEL STUTTGART UNITRONIC® BUS PB FRNC FC



- FRNC = Flame Retardant Non Corrosive
 - Reduction of flame-propagation and density and toxicity of smoke gases in the event of fire
 - Minimisation of damage to buildings and production facilities
- Safety for staff and in areas with high density of people

Benefits

- · Halogen-free and highly flame-retardant
- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP
- For use where the combination of a halogen-free outer sheath with properties similar to PUR and enhanced flameretardance is required
- · Fast Connect (FC) cable design

Application range

This cable provides special advantages for use in sensitive areas where fire propagation must be avoided and the presence of toxic fumes would cause personal injury and damage to equipment.

Product features

- The cable is UL/CSA-certified (CMG)
- Halogen-free
- High flame retardancy in accordance with IEC 60332-3 and FT4
- Oil-resistant
- 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

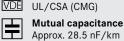
500 kbit/s = 400 m1.5 Mbit/s = 200 m12.0 Mbit/s = 100 m

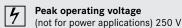
Product Make-up

- · Solid, bare, single-wire copper conductor
- · PE core insulation
- Inner sheath, screening foil and braiding
- · Thermoplastic outer sheath
- Colour: violet (RAL 4001)

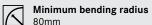
Technical data

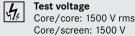


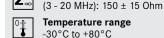




Characteristic impedance







Number of pairs and conductor Copper index Article number **Article designation** Outer diameter (mm) Weight (kg/km) diameter (mm) (kg/km) **Fixed installation** UNITRONIC® BUS PB FRNC FC 30.1 75 1 x 2 x 0.64 2170853

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). Lapp Kabel is a member of the PROFIBUS user organisation (PNO)

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

Accessories

- Sub-D Bus-Connectors
- FC STRIP stripping tool refer to page 1002