



Fixed installation

- Lapp Kabel is a member of the PROFIBUS User Organisation (PNO)
- A for Advanced here: UL and CSA approvals



Product description

Application range

- For fixed installation
Maximum electromagnetic screening
- Dry or damp rooms
- Item nos. 2170233, 2170333, 2170820, 2170824, 2170826 are all UV-resistant

Product Make-up

- FC: "Fast Connect" cable design
- P: Polyurethane
- H: Halogen-free
- PE: polyethylene, black Outer sheath, e.g. for the food and beverage industry
- 7-W: 7-wire, e.g. for applications where vibrations occur
- COMBI: Data transmission and power supply in one cable

Norm references / Approvals

- In accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC NET, also suitable for FIP (Factory Instrumentation Protocol)
- See below for UL approval type

Product features

- These bus cables can be used for PROFIBUS-DP as well as for PROFIBUS-FMS and FIP
- 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

Technical Data

Mutual capacitance	(800 Hz): max. 30 nF/km
Peak operating voltage	(not for power applications) 250 V
Conductor resistance	(loop): max. 186 Ohm/km. see also datasheet
Minimum bending radius	Fixed installation: see data sheet
Test voltage	Core/core: 1500 V rms
Characteristic impedance	150 ± 15 Ohm