

UNITRONIC® BUS L2/FIP FC



Info

- Fast Connect (FC) cable design
- PROFIBUS

Application range

- For stationary installation for Bus Systems 150 Ohm impedance
- Dry and damp indoors

Product features

- This bus cable can be used for PROFIBUSDP 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
- Flame retardant in acc. to IEC 60332-1-2

Approvals (Norm references)



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

Design

- Single wire of bare copper
- Foam PE core insulation
- Cores twisted together
- Plastic foil wrapping
- Aluminium-mylar tape screen + tinned copper wire braiding
- PVC outer sheath, violet RAL 4001

Technical data

- Core identification code**
red, green
- Mutual capacitance**
(800 Hz): max. 30 nF/km
- Peak operating voltage**
(not for power applications) 250 V
- Conductor resistance**
(loop): max. 115 ohm/km
- Minimum bending radius**
Fixed installation: 10 x outer diameter
- Test voltage**
1500 V
- Temperature range**
-40°C - +80°C
- Characteristic impedance**
150 ± 15 Ohm

| Article number | Number of pairs and conductor diameter (mm) | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 2170320 | 1x2x0.64 | 8.0 | 26.0 | 84 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Photographs are not to scale and do not represent detailed images of the respective products.