UNITRONIC® BUS L2/FIP FC

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)

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
- Characteristic impedance: 150 ± 15 Ohm
- Temperature range: -40°C ... +80°C

Article number
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<th>Number of pairs and conductor diameter (mm)</th>
<th>Outer diameter (mm)</th>
<th>Copper index (kg/km)</th>
<th>Weight (kg/km)</th>
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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.

UNITRONIC® BUS L2/FIP SWA

Benefits
- PROFIBUS-DP with Steel Wire Armouring
- Provide a high operating security during data transmission

Application range
- Designed for the system-defined transmission rates of 1.5 Mbs, 2.5 Mbs and 12 Mbs
- Suitable for direct burial and permanent installation in harsh and rugged environments
- Suitable for oil and gas, petrochemical, pharmaceutical industry
- For indoor and outdoor use

Product features
- Suitable for SIEMENS SINEC L2 DP in acc. to DIN 19245 part 3 and EN 50170
- Suitable for interfaces RS 422 and RS 485
- Flame retardant in acc. to IEC 60332-1-2
- UV-resistant

Approvals (Norm references)
- Suitable for interfaces RS 422 and RS 485
- Flame retardant in acc. to IEC 60332-1-2

Technical data
- Core identification code: red, green
- Mutual capacitance (800 Hz): max. 30 nF/km
- Peak operating voltage (not for power applications) 250 V
- Impedance: at 3 to 20 MHz: 150 +/- 15 Ohm
- Conductor resistance: Max. 110 Ohm/km
- Minimum bending radius: 10 x cable diameter
- Test voltage: 1500 V
- Temperature range: -30°C to +70°C

Article number
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