



UNITRONIC® DeviceNet FD THICK+THIN

Highly flexible and UL/CSA-certified

LAPP KABEL STUÏTGART UNITRONIC® BUS DN THICK FD P



LAPP KABEL STUÏTGART UNITRONIC® BUS DN THIN FD P



Application range

- For highly flexible applications
- DeviceNet™ connects industrial devices e.g. limit switches, photoelectric switches, valve islands, motor starters, drives, PLCs, etc.

Product features

- Based on proven CAN (Controller Area Network) technology.
- Permissible cable lengths vary with the data rate and the cable thickness
- Refer to data sheet for more details
- PUR (P) Version: Halogene free
- PVC (Y) Version: Flame retardant (UL FT4)
- UV-resistant (but colour may change after some time)

Norm references / Approvals

- PUR: UL/CSA-certified (CMX)
- PVC: UL/CSA CMG 75°C FT4 Sun Res Oil Res, at 2170346 also PLTC

Product Make-up

- Core insulation: PE
- Outer sheath of Polyurethan (PUR) or Polyvinylchlorid (PVC)

Technical data

| | |
|--|---|
| | ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable |
| | Core identification code Data pair: light blue + white Power supply: red + black |
| | Mutual capacitance (800 Hz): max. 39.8 nF/km |
| | Peak operating voltage 300 V (not for power applications) |
| | Conductor resistance Thick (loop): max. 45 ohm/km Thin (loop): max. 180 ohm/km |
| | Minimum bending radius Fixed installation: 7.5 x outer diameter Flexing: 15 x outer diameter |
| | Test voltage Core/core: 2000 V |
| | Characteristic impedance 120 ohm |
| | Temperature range PUR: -40°C to +80°C PVC: -10°C to +80°C |

| Article number | Article designation | Number of pairs and AWG size | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------|------------------------------|------------------------------|---------------------|----------------------|----------------|
| Version P (PUR) | | | | | |
| 2170344 | UNITRONIC® BUS DN THICK FD P | 1x2xAWG18 + 1x2xAWG15 | 12.2 | 94 | 184 |
| 2170345 | UNITRONIC® BUS DN THIN FD P | 1x2xAWG24 + 1x2xAWG22 | 6.9 | 33.4 | 67.7 |
| Version Y (PVC) | | | | | |
| 2170346 | UNITRONIC® BUS DN THICK FD Y | 1x2xAWG18 + 1x2xAWG15 | 12.2 | 94 | 195 |
| 2170347 | UNITRONIC® BUS DN THIN FD Y | 1x2xAWG24 + 1x 2xAWG22 | 6.9 | 33.4 | 69.8 |

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
DeviceNet is a registered trademark of ODVA
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SILVYN® CHAIN
- SMART STRIP stripping tool