UNITRONIC® DeviceNet FD THICK+THIN

High flexible DeviceNet Buscable based on the CAN technology

DeviceNet connects sensors, drives and PLCs. Based on technology. UL/CSA-approved. Temperature range from -40°C bis +80°C

- UV-resistant
- Power chain
- Halogen-free
- Mechanical and plant engineering
- Kompletterande automationskomponenter från Lapp
- Flame-retardant

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)

Last Update (17.05.2019)
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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16
UNITRONIC® DeviceNet FD THICK+THIN

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
Classification ETIM 5:
ETIM 5.0 Class-ID: EC000830
ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:
ETIM 6.0 Class-ID: EC000830
ETIM 6.0 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

Note
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 and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.
<table>
<thead>
<tr>
<th>Article number</th>
<th>Article designation</th>
<th>Number of pairs and AWG</th>
<th>Outer diameter [mm]</th>
<th>Copper index [kg/km]</th>
<th>Weight [kg/km]</th>
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<tbody>
<tr>
<td>2170344</td>
<td>PUR UNITRONIC® BUS DN THICK FD P</td>
<td>1x2xAWG18 + 1x2xAWG15</td>
<td>12.2</td>
<td>94</td>
<td>195</td>
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<td>2170345</td>
<td>PUR UNITRONIC® BUS DN THIN FD P</td>
<td>1x2xAWG24 + 1x2xAWG22</td>
<td>6.9</td>
<td>33.4</td>
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<tr>
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<td>PVC UNITRONIC® BUS DN THICK FD Y</td>
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<td>PVC UNITRONIC® BUS DN THIN FD Y</td>
<td>1x2xAWG24 + 1x2xAWG22</td>
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