Highly flexible and UL/CSA approved

Product Description

Application range

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

Design

- Polyurethane (PUR) (2170344 + 2170345)
- Polyvinylchloride (PVC) (2170346 + 2170347)

Approvals (Norm references)

- PUR: UL/CSA approved (CMX)
- PVC: UL/CSA CMG 75°C or PLTC FT4 Sun Res Oil Res

Product features

- Based on proven CAN (Controller Area Network) technology.
- Permissible cable lengths vary with the data rate and the cable thickness
- Further details: see Data Sheet

Technical Data

Core identification code
Data pair: light blue + white
Power supply: red + black
Mutual capacitance
(800 Hz): max. 39.8 nF/km
Peak working voltage
(not for power applications) 300 V
Conductor resistance
Thick (loop): max. 45 Ohm/km
Thin (loop): max. 180 Ohm/km

Minimum bending radius
Fixed installation: 7.5 x cable diameter
Flexing: 15 x outer diameter
Test voltage
Core/core: 2000 V
Range of temperature
PUR: -40°C to +80°C
PVC: -10°C to +80°C
Characteristic impedance
120 ohms

Article List

Part number	Article designation	Number of pairs and AWG size	Outer diameter mm	Copper index kg/km	Weight kg/m
Version P (PUR)					
2170344	UNITRONIC® BUS DN THICK FD P	1x2xAWG18 + 1x2xAWG15	12.2	94.0	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	94.0	195
2170347	UNITRONIC® BUS DN THIN FD Y	1x2xAWG24 + 1x 2xAWG22	6.9	33.4	69.8

Footnote:
All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.
Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
DeviceNet is a registered trademark of ODVA
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