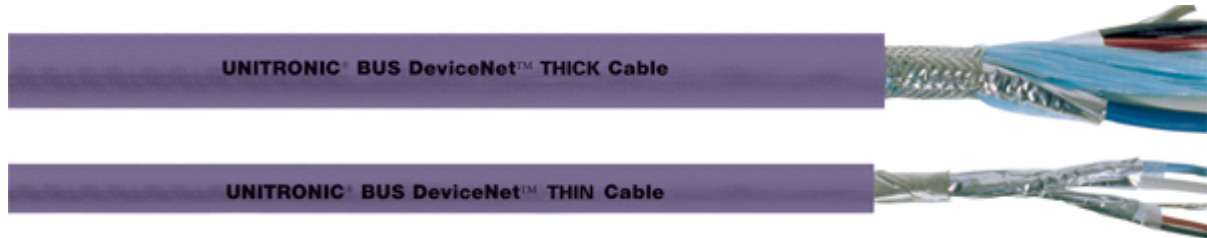


### Product Description



### Application range

- Stationary application
- DeviceNet™ connects industrial devices e. g. limit switches, photoelectric switches, variable frequency drives, valve islands, motor starters, PLCs, etc.

### Design

- a) Halogen-free (2170340 + 2170341)
- b) Polyvinylchloride (PVC) (2170342 + 2170343, 2170362 + 2170363)

### Approvals (Norm references)

- CMG UL/CSA approval 75°C or PLTC, Sun Res
- FRNC variant with Germanischer Lloyd approval

### Product features

- oil resistant (except the ECO variant)
- 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: 15 x cable diameter

Test voltage

Core/core: 2000 V

Range of temperature

Fixed installation: -25°C up 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
Halogen free					
2170340	UNITRONIC® BUS DN THICK FRNC	1x2xAWG18 + 1x2xAWG15	12.2	88.4	195
2170341	UNITRONIC® BUS DN THIN FRNC	1x2xAWG24 + 1x2xAWG22	6.9	33.4	69.5
With PVC outer sheath					
2170342	UNITRONIC® BUS DN THICK Y	1x2xAWG18 + 1x2xAWG15	12.2	88.4	192
2170343	UNITRONIC® BUS DN THIN Y	1x2xAWG24 + 1x2xAWG22	6.9	33.4	66.9
Lower cost variant of PVC versions / not oil resistant					
2170362	UNITRONIC® BUS DN THICK Y ECO	1x2xAWG18 + 1x2xAWG15	11.0	88.4	164
2170363	UNITRONIC® BUS DN THIN Y ECO	1x2xAWG24 + 1x2xAWG22	6.4	33.4	61

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](http://www.lappkabel.de/en/cable-standardlengths)

FRNC means Flame Retardant Non Corrosive DeviceNet and is a registered trademark of ODVA (USA)

Lapp Kabel is a member of the PROFIBUS user organisation (PNO)

ECO is the cost-efficient version of part no. 2170342 and 2170343 with slight modification of the outer jacket including the UL/CSA CMG-approval

Photographs are not to scale and do not represent detailed images of the respective products.