



UNITRONIC® DeviceNet THICK + THIN



Application range

- Fixed installation
- DeviceNet™ connects industrial devices e.g. limit switches, photoelectric switches, valve islands, motor starters, drives, PLCs, etc.

Product features

- Resistant to oils
- Based on proven CAN (Controller Area Network) technology.
- Permissible cable lengths vary with the data rate and the cable thickness
- FRNC Version: Halogene free and flame retardant

- Refer to data sheet for more details

Norm references / Approvals

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

Product make-up

- Core insulation made of foam skin
- Outer sheath: Halogene free (FRNC) or Polyvinylchlorid (PVC)

Technical data

- 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: 15 x cable diameter
- Test voltage**
Core/core: 2000 V
- Temperature range**
Fixed installation: -25°C to +80°C
- Characteristic impedance**
120 ohm

Article 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	1x2xAWG 18 + 1x2xAWG 15	12.2	88.4	195
2170341	UNITRONIC® BUS DN THIN FRNC	1x2xAWG 24 + 1x2xAWG 22	6.9	33.4	69.5
With PVC outer sheath					
2170342	UNITRONIC® BUS DN THICK Y	1x2xAWG 18 + 1x2xAWG 15	12.2	88.4	192
2170343	UNITRONIC® BUS DN THIN Y	1x2xAWG 24 + 1x2xAWG 22	6.9	33.4	66.9

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to catalogue appendix T 17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

FRNC means Flame-Retardant, Non-Corrosive; and DeviceNet is a registered trademark of ODVA.

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

ECO is the cost-efficient version of article no. 2170342 and 2170343, with a slight modification to the outer sheath and UL/CSA-approved (CMG).

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