

UNITRONIC® BUS DeviceNet™

Stationary application



DeviceNet™ - a bus system developed by Allen-Bradley (Rockwell Automation) connects industrial devices (e.g. limit switches, photoelectric switches, variable frequency drives, motor starters, valve islands, PLCs). The DeviceNet communication link is based on proven CAN (Controller Area Network) technology.

For stationary application

UNITRONIC® BUS DeviceNet™ Trunk Cable (thick)

Data pair
Stranded wire 18AWG/19 (1.0 mm²), tinned, PE core insulation, cores twisted to pair, colour code light blue + white.

Power supply (DC)
Stranded wire 15AWG/19 (1.5 mm²), tinned, cores twisted to pair, colour code red + black.

Screening
Two pairs (data resp. power supply) shielded with Aluminium foil, drain wire 18AWG/19, overall screening tinned copper wires.

Outer sheath
Halogen free compound, flame retardant acc. to IEC 332.3 (VDE test type C), colour violet RAL 4001.

Approvals
UL/CSA approved

UNITRONIC® BUS DeviceNet™ Drop Cable (thin)

Data pair
Stranded wire 24AWG/19 (0.25 mm²), tinned, PE core insulation, cores twisted to pair, colour code light blue + white.

Power supply (DC)
Stranded wire 22AWG/19 (0.34 mm²), tinned, cores twisted to pair, colour code red + black.

Screening
Two pairs (data resp. power supply) shielded with Aluminium foil, drain wire 22AWG/19, overall screening tinned copper wires.

Outer sheath
Halogen free compound, flame retardant acc. IEC 332.3 (VDE test type C), colour violet RAL 4001.

Approvals
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Technical Data

Minimum bending radius:
static: 7,5 x cable diameter
flexing: 15 x cable diameter

Temperature range:
static: -20 °C to +75 °C
flexing: 0 °C to +75 °C

Rated voltage: 300 V AC (rms)

Test voltage: 1500 V

Core ident code:
Data pair: light blue + white
power supply: red + black

Part number	Description	AWG size	Outside diameter in mm approx.	Copper weight kg/km	Weight kg/km approx.
For stationary application					
2170 250 T	UNITRONIC®-BUS DeviceNet™ Trunk Cable	1 x 2 x 18AWG + 1 x 2 x 15AWG	12,1	70,8	209
2170 251 T	UNITRONIC®-BUS DeviceNet™ Drop Cable	1 x 2 x 24AWG + 1 x 2 x 22AWG	6,9	27,6	64