
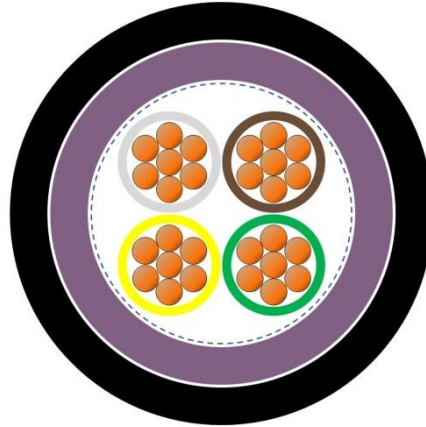


2170500	<b>DATA SHEET</b>	
valid from: 01.01.2019	<b>UNITRONIC® BUS CAN BURIAL 4x1x0,5</b>	

### Application

Data cable for the CAN bus system. The cable is intended for fixed installation in dry and damp interiors and for direct burial.

### Design



Conductor	stranded bare copper wire, 20 AWG (7 x ca. 0.32)
Insulation	foam-skin PE, core $\varnothing$ ca. 1.9 mm
Core identification code	white, yellow, brown, green
Stranding	4 cores stranded together On top: 1 layer plastic foil
Screen	braid of tinned copper wires, coverage ca. 85%
Outer sheath	PVC, violet, Inner sheath outer $\varnothing$ : ca. 7.1 mm on top outer sheath PVC, black, outer $\varnothing$ : ca. 9.0 mm

### Electrical properties at 20°C

Loop resistance	max. 74 $\Omega$ /km
Insulation resistance	min. 1 G $\Omega$ xkm
Mutual capacitance	ca. 40 nF/km (at 1 kHz)
Characteristic impedance	1 MHz: 120 $\Omega$ $\pm$ 12 $\Omega$
Peak operating voltage	300 V (not for power purposes)
Test voltage	conductor/conductor 1500 V conductor/screen 1500 V

### Mechanical and thermal properties

Minimum bending radius	repeated: 8 x cable $\varnothing$ single: 4 x cable $\varnothing$
Temperature range	40 °C up to +80 °C
General requirements	This cable is conform to the EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).

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